robiology Abstracts: Section B

acteriology

al Indexes to Volume 17 1982

PAMPHLET BOX

QR
1
M622
v.17
1982
N/C

Sci

[illegible]
FEB 24 19[illegible]
LIBRARY

300-8398

bridge Scientific Abstracts

An annual subscription to Microbiology Abstracts, Section B includes twelve monthly issues, each containing an Author and Subject Index, and a separate Annual Author and Subject Index sent without further charge to subscribers after completion of the volume. Subscriptions are entered on a calendar year basis only.

Annual subscription rates 1982

Americas	$450
Rest of the world (air)	£177
Rest of the world (surface)	£165

Two-year subscription rates

Save 5% on a two-year subscription to the 1982 and 1983 volumes. To calculate the two-year rate, simply double the 1982 price above and deduct 5%.

Orders

Orders from or on behalf of subscribers in the various geographical areas shown below should be routed to the appropriate office or sole agent with payments made in the currencies marked:

Western hemisphere

(North, Central and South America — payment in US dollars)
Information Retrieval Inc.,
1911 Jefferson Davis Highway,
Arlington, VA 22202,
USA.

Japan

(payment in yen)
US Asiatic Company Limited,
Tsutsumi Building,
13-12 Shimbashi 1-chome,
Minato-ku, Tokyo 105, Japan.

India, Sri Lanka, Bangladesh, Ne
Burma, Malaysia, Singapore, Ind
and Thailand

Universal Subscription Agency Pvt.
117/H-1/294-B Model Town,
Pandu Nagar, Kanpur 208005,
India.

Israel

N.P.K. Meida Ltd.,
PO Box 10127,
Tel-Aviv 61101,
Israel.

Rest of the world

(payment in sterling)
Information Retrieval Limited,
PO Box 1,
Eynsham, Oxford OX8 1JJ,
England.

© 1982 Cambridge Scientific Abstra
All rights reserved by the publisher.
part of this publication may be repro
or transmitted in any form by any m
electronic or mechanical, including p
copying, recording or any informatio
age and retrieval system, without per
sion in writing from the publisher.

Microbiology Abstracts, Section B (
0300-8398) is published monthly w
annual index for U.S. $450.00 per y
Cambridge Scientific Abstracts, 516
Road, Bethesda, MD 20816. Applica
mail at Second Class Postage rate is per
Bethesda, MD. POSTMASTER: Send
changes to Cambridge Scientific Ab
5161 River Road, Bethesda, MD 2081

Microbiology Abstracts: Section B

Bacteriology Abstracts

Annual Indexes to Volume 17 1982

Editorial staff

Barbara B. Engel
Ray Fisher
Lawrence L. Pilon
J. Nicholas Ruth III
Darrell D. Stover

ISSN 0300-8398

Foreword

Microbiology Abstracts, Section B commenced publication in 1966 and is published monthly. Each issue contains about 1,100 abstracts followed by author and subject indexes.

Coverage

In compiling each month's issue, CSA's editorial staff monitors approximately 5,000 primary journals and other source references for papers falling within the scope of Microbiology Abstracts Section B.

Subject scope and arrangement of subject matter

The table of contents shows the full scope of the journal. Papers relevant to bacteriology are reported, including: methods; taxonomy; cell properties; genetics; antibiotics and other antimicrobials; toxins; immunology; medical, veterinary and invertebrate bacteriology; plant diseases; and ecological aspects. Abstracts are allocated to the section (subsection) to which they are most relevant and cross-referred to other sections (subsections) where appropriate.

Using this journal

Full details of the bibliographic data cited for each abstract and of abbreviations used can be found in the first issue of this volume.

uthor Index

tre, S.-E. 11163.
en, O.O. 4338.
on, M.I. 2419.
a, R. 4866.
jord, P. 8321.
, G. 2708, 4820.
aas, S. 4737.
adia, R. 12013.
adie, J.C. 3540.
akumov, V.V. 2438.
atangelo, C. 4323.
ate, L. 10157.
awi, G.S. 12103.
aza, M.A. 3555.
bas, B. 8105.
be, K. 4936, 5759.
bey, D.M. 481.
biss, J.S. 1280.
bott, B.J. 7561.
bott, D.O. 1934.
bott, E.H. 4070.
bott, L.K. 4622.
bott, M.R. 582.
bott, R.M. 11884.
bd-Elsamea, M.E. 9412.
bdali, S. 10536.
bdel-Monem, M. 11057.
bdel-Nasser, M. 13468, 13469, 13470.
bdel-Sayed, S. 9581.
bdelal, A.T. 12679.
bdelghani, A.A. 107.
bdelnoor, A.M. 10263.
bdou, M.A.-F. 5322, 8263.
bdrashitova, S.A. 11209, 12372.
bdul Alim, A.R.M. 833.
bdulkadir, J. 13239.
bdullah, R. 9571.
bdullina, G.G. 11209.
Abe, C. 1891, 7933, 8869, 10149.
Abe, H. 2046, 2317, 3793, 6009, 8922, 11510.
Abe, M. 3177, 8636.
Abe, Y. 9940.
Abee, C. 1046.
Abegunde, T.O. 1080.
Abeles, R.H. 7559.
Abell, E. 11661.
Abelson, D.C. 726.
Aber, G.M. 5337.
Aber, R.C. 9567, 9577, 11387, 12920.
Aber, V.R. 1782, 1974, 10180.
Abernathy, C.O. 12976.
Aberson, J. 10640.
Abiko, Y. 11272.
Aboel-Naga, S.A. 1218.
Abood, M.E. 10072.
Abou Akkada, A.R. 3555.
Abou-Jaoude, A. 1593.
Abou-Sabe, M. 8672.
Abou-Zeid, A.A. 2968.
Abou-Zeid, C. 8387.
Abplanalp, L.J. 8281.
Abraha, A. 6231.
Abraham, A. 6542.
Abraham, A.A. 774.
Abraham, C. 664.
Abraham, E.P. 12637.
Abraham, G. 5412.
Abraham, P.R. 2586.
Abraham, W.H. 8898.
Abrahamsson, S. 4069, 12717.
Abramowitz, R. 5714, 11072.
Abrams, A. 1534.
Abrams, B.I. 9433.
Abramsohn, R. 13340.
Abramson, C. 9074, 11424.
Abramson, J.S. 6069, 6276.
Abrashev, I. 6644.
Abremski, K. 5010.
Abrosimova, G.E. 561.
Abrutyn, E. 2258, 7106.
Abshagen, U. 9.
Abshire, R.L. 455, 1309, 4676.
Absolonova, V. 1798.
Abu El Ella, A.H. 901.
Abu-Samra, M.T. 4586.
Abuknesha, R. 522.
Acar, J. 7997, 10457, 13335.
Acar, J.F. 6213, 7784, 10062.
Acedo, S.C. 13419.
Achberger, E.C. 6575, 6617.
Achyutha, K.N. 784.
Ackemann, H.-H. 6462.
Acker, G. 527.
Ackerman, J.I. 9368.
Ackerman, N. 7258.
Ackermann-Liebrich, U. 3335.
Ackermann-Schmidt, B. 8486.
Ackles, D. 8602.
Ackley, A.M. 3332.
Acred, P. 1037, 5438.
Acuna, D. 5293.
Acuna, G. 5077.
Adachi, K. 4519, 10325.
Adachi, O. 3988, 4001, 4725, 5744.
Adachi, S. 5681, 5970.
Adachi, Y. 8577.
Adair, T.H. 3136.
Adam, D. 363, 2252, 7764.
Adam, G. 4431.
Adam, M.M. 9220, 11601.
Adamek, R. 9628.
Adami, B. 839.
Adams, A.M. 4875.
Adams, B.O. 2036.
Adams, B.W. 2547.
Adams, C.W. 5834.
Adams, D.A. 6643.
Adams, D.M. 5764, 8596.
Adams, J. 1667.
Adams, M.J. 4607.
Adams, M.R. 8904.
Adams, M.W.W. 8563.
Adams, R.F. 6322.
Adams, S.J. 10296.
Adams, T.,Jr. 3136.
Adams, V.D. 9489.
Adamson, M. 11206.
Adamsson, L. 5124.
Adamu, S.A. 539.
Adamus, G. 8363, 10950.
Adar, F. 10966.
Adarchenko, A.A. 10056.
Adcock, M. 2262.
Addiego, J.E. 658.
Addy, M. 733.
Addy, S.K. 3667.
Adebayo, A. 1203.
Adebiyi, A. 4204.
Adegbola, R.A. 10165.
Adegoke, G.O. 4548, 9357.
Adekeye, J.D. 9088.
Adekoya, D.O. 436.
Adeleye, G.A. 3137.
Adeloye, A. 10493.
Adetosoye, A.I. 11832.
Adetunji, A. 3631.
Adhya, S. 256, 4807, 7502, 12772.
Adhya, S.L. 4993.
Adkins, H.J. 11068.
Adlard, M.W. 8788, 8789.
Adler, A. 11790.
Adler, B. 3163, 8996, 11536.
Adler, G.K. 11046, 11308.
Adler, H.E. 1080.
Adler, H.I. 2590.
Adler, K.B. 3146.
Adler, M.W. 2136.
Adler, S.P. 2044, 4497.
Adler, S.W., II. 618.
Adler, W.H. 10212.
Adriambololona, L. 7195.
Adrian, W.T. 8115.
Adsit, J. 2907.
Adu, H.O. 4305.
Adzamli, I.K. 4847.
Aehnelt, C. 1413.
Aeilts, G. 845.
Aeilts, G.D. 7112.
Aerts, C. 9003.
Afanasiev, B.A. 2145.
Afarian, J. 3446.
Afinogenova, A.V. 10903, 10930, 12548.
Afshar, A. 3582.
Agabian, N. 64, 5628, 8537.
Agarwal, D.K. 8016.
Agarwal, D.S. 31, 1515, 1929, 4864, 7816, 10917.
Agarwal, J.C. 5135.
Agarwal, K.C. 274, 402, 403, 2521, 2571, 3061, 3142, 7700, 7880, 8095.
Agarwal, K.G. 10466.
Agarwal, K.K. 10421.
Agarwal, K.L. 12509.
Agarwal, K.N. 2603.
Agarwal, L.P. 6483.
Agarwal, S.K. 1826.
Agathos, S. 8784.
Agbonlahor, D.E. 842.
Agboola, S.D. 9446.
Ageev, A.K. 4381.
Ageeva, T.S. 2017.
Agenbach, W.A. 1253.
Agerup, B. 10356.
Aggarwal, S.K. 5254.
Aggarwal, V.P. 8017.
Agner, E. 529, 8973.
Agneray, J. 6883.
Agnew, B.J. 5552, 12422.
Agnihotri, S.K. 10792.
Agnihotri, V. 274, 2521, 2571, 8095.
Agnihotri, V.P. 1139.
Agostini, L. 3315.
Agostino, G.J. 7917.
Agrawal, R. 7878.
Agrawal, S.K. 12970.
Agre, N.S. 12138, 12351, 12698.
Aguade, V.G. 10871.
Aguado Perez, M. 11960.
Aguado, S. 7975.
Aguayo, J. 9298.
Agueero, M.E. 12000.
Aguero, J. 8779.
Aguero, M.E. 9298.
Aguet, M. 8886.
Agui, T. 10067.
Aguilar, A. 5933, 10022, 12846.
Aguilar, A.S. 3718.
Aguilar, L. 4246, 9808.
Aguilar, O.M. 12685.
Aguirre, M. 9234.
Aguzzi, F. 4288.
Agyeman, K. 3557, 3629.
Ahl, P. 8144.
Ahl, R. 9828.
Ahlem, C. 9715.
Ahlers, J. 2760, 6516.
Ahlert, B. 13529.
Ahlert, D. 894.
Ahlfors, K. 11743.
Ahlin, P.A. 3797, 10283.
Ahlin, T. 11737.
Ahlroos, A.K. 914.
Ahlstedt, S. 659, 6053, 13029.
Ahmad, A. 2483.
Ahmad, F. 2792, 12625.
Ahmad, K. 3856.
Ahmad, M. 4601.
Ahmad, M.H. 1191, 10781.
Ahmad, P.M. 2792, 12625.
Ahmad, S. 2592.
Ahmad, Z.I. 1486.
Ahmann, P. 11850.
Ahmed, A. 544, 6078.
Ahmed, B. 1196.
Ahmed, O.A. 10273.
Ahmed, Q.S. 4648.
Ahmed, S. 9594, 9595.
Ahmed, S.A. 10471.
Ahmed, S.N. 10219.
Ahn, C.H. 6165.
Ahn, S. 6165.
Ahn, S.S. 6165.
Ahnert-Hilger, G. 6010.
Aho, K. 2280.
Ahonkhai, V.I. 2314, 9926, 11409.
Ahren, C. 10192.
Ahren, C.M. 10228.
Ahrenholz, D.H. 10612.
Ahrens, E. 12149.
Ahuja, G.K. 898.
Ahuja, S. 12931.
Ahumada, E. 13208.
Ahvonen, P. 5301.
Aiache, J.M. 5242.
Aiba, H. 1488, 4109, 4807, 4981, 5845.
Aiba, S. 1604, 5866, 10987, 12804.
Aich, A.C. 4561.
Aida, K. 5201.
Aidi, W. 2523.
Aikat, M. 2087.
Aiking, H. 12959.
Aillaud, G. 10735.
Ainamo, J. 712, 3304.
Ainsworth, T. 1852.
Airo, R. 1893.
Aisenberg, A.C. 650.
Ait khaled, N. 13157.
Aitchison, E.M. 10641.
Aitken, D.R. 12027.
Aitken, M. 10667.
Aitken, M.M. 1118, 7273, 9040.
Aittoniemi, S. 819.
Aiuti, F. 697.
Aivazyan, A.Kh. 4206.
Aiyer, R.S. 3697.
Aizawa, K. 1806, 2536, 6466.
Aizawa, M. 4183, 4184, 6623, 7400, 8782.
Aizawa, Y. 11792.
Aizenberg, S.Z. 12948, 13433.
Ajakaiye, C.O. 1221.
Ajamy, J.A. 4388.
Ajello, G.W. 9662.
Ajir, F. 9315.
Ajisaka, K. 3971.
Ajmal, M. 2483.
Akaboshi, E. 2892.
Akagi, Y. 8246.
Akaike, Y. 475, 11518.
Akakpo, A.J. 4509.
Akakpo, J.A. 13376.
Akama, K. 568.
Akao, T. 5749.
Akasaka, K. 3919, 7574.
Akatani, K. 2677.
Akeda, H. 1903.
Akema, R. 5609, 12401.
Akerman, M.B. 13039.
Akers, H.A. 5522.
Akey, D.T. 2180.
Akhmadieva, A.Kh. 3745.
Akhmetova, E.A. 8322.
Akhtar, M. 4838.
Akhurst, R.J. 6387.
Akimenko, V.K. 10867, 12203, 12492.
Akimoto, S. 12774.
Akin, D.E. 6327.
Akinboade, O.A. 3631, 4548, 9341, 9357.
Akinyemi, O.A. 8071.
Akit, J. 4090.
Akita, H. 1719, 1752, 4404.
Akiyama, T. 6908.
Akkermans, A.D.L. 3689, 5521, 10783.
Aklonis, C.A. 8754.
Akoev, I.G. 3745, 12298.
Akoshkhedi, I. 10727.
Akoun, G. 13138.
Akpata, E.S. 1959, 13112.
Akrigg, A. 1596.
Aksenovskaya, V.E. 12695.
Akyel, C. 8260.
Al-Admawy, A.M. 4148.
Al-Allaf, G.A. 1971.
Al-Bayatti, K.K. 1568.
Al-Dulaimi, M. 7985.
Al-Gounaim, M.Y. 9536.
Al-Hiti, M.M. 10028.
Al-Hossainy, E. 2588, 6540.
Al-Izzi, S.A. 10216, 13034.
Al-Jebouri, M.M. 3584.
Al-Jibouri, L.M. 3137.
Al-Jumaili, I.J. 8255.
Al-Mashat, R.R. 2369.
Al-Mossawi, M.A.J. 7830.
Al-Mousawi, A.H. 12101, 12107.
Al-Nakhli, H.M. 8759.
Al-Sowaygh, I.A. 384.
Alacevic, M. 12224.
Alakhov, Yu.B. 11116, 12530.
Alakija, W. 3295.
Alameda, V. 2080.
Alano, F.A. 7043.
Alarcon, G.S. 1010.
Alatossava, T. 7677.
Alavi, A. 7106.
Alazard, R.J. 8488.
Albala, A. 10468.
Albano, G. 1583.
Albers, A.C. 438, 10879.
Albers, W.H. 7099.
Albersheim, P. 2830, 3102, 6667.
Albertini, A.M. 8501.
Albertino, G. 5048.
Alberts, H.W. 4511.
Alberts, M. 4473, 4511.
Albouy, C. 3361.
Albracht, S.P.J. 4031, 4920, 9747, 11171.
Albrandt, K. 8267.
Albrecht-Ellmer, K.J. 11171.
Albrecht, E. 7282.
Albrecht, S.L. 2432, 2454.
Albrechtova, L. 1138.
Albrich, J.M. 6926.
Albright, L.J. 2482.
Albritton, W. 3410, 8795.
Albritton, W.L. 333, 7697, 10906.
Alcantara Gomes, R. 8460.
Alcina, M.Y. 4752.
Alcubilla, M. 10757.
Alda, M.T. 12324.
Aldasy, P. 5464.
Aldea, M. 2743.
Alden, J.R. 1486.
Alderdice, D.F. 3588.
Alderete, J.F. 1874.
Alderman, D.J. 8090.
Aldons, P.M. 3031.
Aldova, E. 8293, 10357.
Aldridge, K. 9221.
Alecci, A. 6796.
Aleem, M.I.H. 7478.
Alef, K. 207.
Alefounder, P.R. 4778, 8477.
Aleksandrushkina, N.I. 13518.
Aleksic, S. 11549, 11779.
Aleksiev, B. 4873.
Alemayehu, A. 9078.
Alerdist, H. 5221.
Ales, J.M. 3505, 9234.
Alexander-Williams, J. 3351.
Alexander, A.D. 10926.
Alexander, B. 3613.
Alexander, E.R. 916, 919.
Alexander, G.A. 1793, 8268.
Alexander, I.M. 7115.
Alexander, J.W. 10547.
Alexander, K. 4324.
Alexander, L.J. 9692.
Alexander, M. 1406, 3709, 7316, 10320, 10431.
Alexander, R. 7987.
Alexandre, G. 6174.
Alexandre, J.H. 810.
Alexandrova, I.K. 7821, 9930.
Alexeyeva, E.G. 12619.
Alfano, M.C. 3301.
Alfaro, G. 2655.
Alfaro, L. 6876.
Alfaro, L.A. 8984.
Alferieva, M.A. 13363, 13511.
Alferov, O.A. 6851.
Alford, R.H. 868, 4166, 10605.
Alfredsson, H. 11708.
Alfthan, O. 11812, 11822.
Alger, J.R. 2650.
Algranati, I.D. 3910, 6577.
Alhaji, I. 7269.
Alho, A. 3500.
Ali Khan, L. 2835.
Ali, G. 5357.
Ali, M.A. 9412.
Ali, M.M. 5309.
Ali, M.W. 957.
Ali, N. 5368.
Alieva, R.K. 6949.
Alim, A.R.M.A. 7014.
Alisalih, M. 59.
Alivizatos, A.S. 12089.
Alix, J.H. 9687.
Alkiewicz, J. 3316.
Allan, B.J. 1803, 7835.
Allan, C.M. 973.
Allan, E.M. 5098.
Allan, I. 9524.
Allan, R.N. 11493.
Allcock, E.R. 2622, 5564.
Alldis, B.A. 7112.
Allegro, G.M. 13209.
Allen, B.S. 3283, 13081.
Allen, B.W. 3767, 4674, 11545.
Allen, D. 11850.
Allen, D.J. 4611, 5494.
Allen, H.B. 5274.
Allen, J. 3370.
Allen, J.B. 4312.
Allen, J.D. 11650.
Allen, J.R. 3553, 10509.
Allen, J.W. 6366.
Allen, K.R. 9085.
Allen, O.G. 11902.
Allen, P.C. 13391.
Allen, P.H. 6336.
Allen, P.Z. 2831, 4273.
Allen, R.C. 10237.
Allen, R.J. 1877.
Allen, S.D. 2279, 3343, 10855.
Allen, S.L. 7199.
Allen, W.E. 9327.
Allenby, D.J. 7582.
Allenby, F. 4431.
Alley, C.C. 2288.
Alley, T. 6666.
Allica, E. 11911.
Alliegro, G.M. 11847, 13212.
Alling, D.W. 10405.
Allison, D.P. 5891, 8669.
Allum, W.H. 5377.
Allweiss, B. 81.
Allwood, M.C. 411.
Allyn, S.P. 11602.
Almeida Ramos, A. 39.
Almgren, B. 3454.
Almon, L.V. 2477.
Alomar, P. 7074.
Alonso, A. 7404, 12724.
Alonso, J.C. 2899.
Alonso, J.M. 28, 29, 156, 1315, 4987, 5249, 10215.
Alonso, O. 7230.
Alonzo, V. 8242.
Alouf, J.E. 11477, 11503, 11506.
Alpatieva, T.A. 12383.
Alper, M.G. 11963.
Alper, T. 1368.
Alpert, C.A. 11229.
Alroy, G. 12025.
Alsina, J. 10413.
Alsofrom, D.J. 743.
Alstad, A.D. 3162.
Alt, R. 10310.
Altemeier, W.A. 971, 9565, 9575.
Altemeier, W.A.,III 10533.
Altendorf, K. 6647, 11170, 11186.
Altes, A.G. 11383.
Althaus, H. 11002.
Altherr, M.R. 12932.
Altieri, P.L. 6129.
Altkauzen, M.N. 12367.
Altland, P.D. 7219.
Altman, D.G. 3386.
Altman, L.C. 3291, 10967.
Altman, M.S. 13180.

Altman, R.S. 13312.
Altman, S. 9675.
Altmann, G. 3181, 3762.
Altmann, K. 10150.
Altmiller, D.H. 10424.
Alton, L.V. 13478.
Altus, P. 9102.
Alunni Bistocchi, G. 12941.
Aluoch, J.A. 6177.
Alvarado, R. 4406.
Alvarez De Cienfuegos, G. 549.
Alvarez Sanchez, B. 11960.
Alvarez-Dardet, C. 2146.
Alvarez-Morales, R.A. 9585, 9586.
Alvarez, A.M. 1293.
Alvarez, C. 1962, 2388.
Alvarez, F.M. 420.
Alvarez, G.H. 6541.
Alvarez, R.J. 9486.
Alvarez, R.M. 7130.
Alverez, I. 11475.
Alves, J. 11087.
Alves, J.C.M. 2257.
Alvesalo, I. 11688.
Alwmark, A. 10615, 11955.
Aly, R. 446.
Alzamora, S.M. 2654.
Amakiri, S.F. 1736, 4559.
Amako, K. 5606, 5622, 8631.
Amaku, E.O. 2161.
Aman, P. 2830, 6667.
Amano, K.-I. 11239.
Amano, S. 7722, 11190.
Amano, T. 5196, 12748, 12755.
Amanuma, H. 5919, 9700.
Amara, J. 1953.
Amaral, L. 1404, 5101.
Amaram, N. 6312.
Amarger, N. 5520, 5532, 10787.
Amat, D. 810.
Amato, M. 6785.
Ambler, R.P. 3869.
Ambmura, A. 5804.
Amborski, R.L. 1804.
Ambrosch. F. 11639.
Ambrosch, F. 652.
Ambrosch, P. 652.
Ambrosioni, E. 10355.
Ambrus, P.S. 9117.
Ambudkar, S. 2835.
Ameln, R. 3285.
Amelunxen, R.E. 8571.
Amemura, A. 215, 8636, 12708.
Amend, D.F. 10249, 10251.
Amengual, P. 5543, 5544.
Ament, M.E. 11774.
Amer, H.A. 9483.
Amerault, T.E. 1840.
Amerena, R. 9925.
Ameryama, M. 5744.
Ames, B.N. 12533.
Ames, G.F.-L. 1601, 11040.
Ames, G.F.L. 2861.
Ames, P. 3695.
Amesz, J. 143, 7483, 7489.
Ameyama, M. 3988, 4001.
Amgwerd, R. 974.
Amicosante, G. 7599.
Amikam, D. 7665.
Amirak, I.D. 8857, 9200.
Ammann, A.J. 657, 658.
Ammann, J. 10498.
Ammann, N. 11451.
Ammerman, J.W. 4771.
Ammitzboll, T. 7413.
Amon, I. 7117, 10449.
Amon, K. 10449.
Amon, V.K. 7117.
Amono, K. 10109.
Amons, R. 12550.
Amor, B. 11949.
Amor, M. 3497.
Amoroso, S. 9008.
Amoudry, C. 2182.
Amouroux, J. 989, 3493, 5398.
Ampel, N. 9212.
Amra, S. 2238.
Amsbaugh, D.F. 6933.
Amsbaugh, S. 6958.
Amsel, R. 2511, 7041, 11802.
Amtsberg, G. 3632, 13380.
Amy, N.K. 2848.
Amyes, S.G.B. 6842.
An, G. 6701.
An, S.H. 5139.
Anagnostakis, D. 2178.
Anagnostidis, K. 1231.
Anagnostopoulos, C. 2849.
Anagnostopoulos, G.D. 3751, 5613, 11224.
Anai, M. 11185.
Anama, L. 2296.
Anand, B.S. 13088.
Anand, C.P. 9635.
Anand, I.S. 11666.
Anand, M. 10731.
Anand, V.K. 7301.
Anastasatu, C. 11909.
Ancelle, R. 13243.
Ancian, J. 6080.
Anday, E.K. 11676.
Andenmatten, R. 7844, 7845.
Anderle, S.K. 10138.
Anderlik, P. 6119, 9031.
Anders, B.J. 3373, 9134.
Andersch, W. 8645, 11250.
Andersen, B.J. 152.
Andersen, B.M. 1790, 5912, 12902.
Andersen, J.A. 12592.
Andersen, J.T. 11814.
Andersen, K. 9889.
Andersen, M. 1809.
Andersen, P. 9152.
Andersen, R. 6994.
Anderson, A.C. 107, 120.
Anderson, A.J. 385.
Anderson, B.P. 5462.
Anderson, D.A. 3839.
Anderson, D.C. 600, 2285, 8056.
Anderson, E.G. 4013.
Anderson, E.L. 10552.
Anderson, G.D. 4176.
Anderson, I. 5262.
Anderson, J. 776.
Anderson, J.C. 8773.
Anderson, J.E. 3398, 11800.
Anderson, J.F. 1004, 2204.
Anderson, J.J. 7401.
Anderson, J.L. 2732.
Anderson, J.P. 2456.
Anderson, J.P.E. 8188.
Anderson, J.R. 10614.
Anderson, J.S. 1558.
Anderson, M.P.R. 11731.
Anderson, P. 3195, 3243, 7376.
Anderson, P.A. 591.
Anderson, P.W.,Jr. 8934.
Anderson, R. 4431, 5069, 8237, 11675.
Anderson, R.D. 11531.
Anderson, R.F. 4727.
Anderson, R.H. 11663.
Anderson, R.J. 737.
Anderson, R.K. 6128, 10137.
Anderson, R.L. 1261, 3553, 4443, 9662.
Anderson, R.M. 9045.
Anderson, R.R. 5177, 8897.
Anderson, R.S. 7948.
Anderson, R.V. 4621, 4747, 9437.
Anderson, S. 5382.
Anderson, W.F. 1669, 5736, 9713.
Andersson, E. 9791.
Andersson, H. 4675.
Andersson, H.E. 2050.
Andersson, K.K. 11189.
Andersson, U. 4367.
Anderton, N. 2964.
Andlaw, R.J. 4375.
Ando, K. 7715, 11360, 11362.
Ando, T. 2906, 8485.
Andoh, T. 7595.
Andrade, M. 820.
Andre-Fouet, E. 3550.
Andre, R.G. 10732.
Andreadis, T.G. 5505.
Andreasen, T.J. 7581.
Andreen, I. 13101.
Andreescu, V. 7957.
Andreesen, J.R. 12449.
Andreev, E.V. 13395.
Andremont, A. 7201, 11769.
Andreoni, G. 3030.
Andreoni, O. 30, 1666.
Andres, I. 9873.
Andresen, J. 2267.
Andrew, C.S. 10794.
Andrew, P.W. 10180.
Andrews, A.H. 9350, 13408.
Andrews, B.A. 9227.
Andrews, C. 639, 11649.
Andrews, C.P. 4390.
Andrews, J.M. 347, 352, 1713, 5926.
Andrews, P. 1436.
Andrews, R.E.,Jr. 5150.
Andrews, W.H. 3758, 3759, 4661, 7370.
Andreyeva, R.I. 12694.
Andreyuk, E.I. 10991, 12497.
Andriasyan, S.G. 2168, 10437.
Andrini, L. 3030.
Andriole, V.T. 8823, 11821.
Andritz, M.H. 1011.
Andriyankov, M.A. 416.
Andrusenki, I.T. 9930.
Andrusenko, I.T. 7821.
Anestad, G. 3403.
Aneyama, M. 4725.
Ang, O. 6961.
Angehrn, P. 8800.
Angelatou, F. 7826.
Angiolillo, P. 185.
Angle, J.S. 3683, 8156.
Angmar-Mansson, B. 9082.
Angres, G. 6189.
Angulo, G.P. 6966.
Angus, B.L. 6513, 7627.
Angus, K.W. 7288.
Anhalt, J.P. 11384, 11392, 12230, 12878, 12880.
Anido, G. 669.
Anikina, T.P. 2196.
Anisimov, B.V. 2500.
Anisova L.N. 1697.
Anke, H. 3100, 7718, 7812, 11422.
Ankrom, K.A. 2833.
Ankwanda, E. 6537.
Annan, N.D. 6616.
Annat, D.J. 3375.
Annear, D. 12205, 12459.
Annear, D.I. 7768, 8738.
Annese, C. 902.
Anoal, M. 7213.
Anokhin, V.N. 981.
Anolik, R. 5366.
Ansari, M.Q. 1658.
Ansink-Schipper, J.D.A. 12847.
Ansink-Schipper, M.C. 10410.
Ansorg, R. 7118.
Anstall, H. 6376.
Antal, M. 11295.
Antepara, I. 748.
Anthoine, D. 3333.
Anthony, B.F. 331, 3066, 9249.
Antia, A.U. 2263, 2264.
Antia, N.H. 1482, 10716.
Antolova, T. 11328.
Anton, D. 6180, 6181.
Anton, P. 10376.
Anton, P.A. 350, 11896.
Antoni, F. 4916.
Antoniev, A.A. 3433, 4475.
Antonieva, N.A. 10437.
Antonini, E. 8830, 11023.
Antonini, G. 8830.
Antonini, M.P. 2143.
Antonini, P. 2965.
Antonissen, C.J.M. 537.
Antonsson, B. 4829.
Antopol, S.C. 7122.
Antoun, H. 2451, 10886, 13480.
Antranikian, G. 9770, 9771.
Anugwelem, U.A. 5144, 5981, 7423.
Anusuya, D. 3730.
Anyanwu, C.H. 13315.
Anyiwo, C.E. 1866.
Anzai, H. 12815.
Aoki, H. 7637.
Aoki, K. 4856, 7497.
Aoki, M. 3023.
Aoki, R. 7567.
Aoki, T. 4268.
Aonuma, S. 10029.
Aoshima, N. 8218.
Aoyama, A. 2894, 7694.
Aoyama, K. 270, 3743.
Aoyama, R. 2223, 2316, 4534.
Aperghis, P.N..G. 12453.
Aperia, A. 11795, 11815.
Apicella, M.A. 6056, 6669.
Apirion, D. 5012, 6579, 7519, 8502, 11075, 11085, 12504.
Apostolakos, D. 11259, 12658.
App, A.A. 4642.
Appel, M.J. 4345.
Appelbaum, B. 5634, 8399.
Appelbaum, P.C. 4354, 9559, 11387, 12254, 12920, 13333.
Appelmelk, B.J. 11819.
Appelt, K. 3905, 4817.
Appler, M.E. 12592.
Appleton, W. 4494.
Appling, D. 9307.
Apte, R. 12390, 13496, 13497.
Araake, M. 6894, 11704.
Arabi, Y. 3263, 3351.
Arafa, A.S. 2327.
Arafiles, R.P. 6316.
Arai, H. 526.
Arai, K. 8543, 8544, 8545, 8546, 8547, 9711, 11292.
Arai, K.I. 9717.
Arai, M. 3804, 4153, 4160.
Arai, N. 9711.
Arai, S. 4243, 9967.
Arai, T. 1745, 2513, 2906, 2998, 3070, 7737, 8756.
Arai, Y. 11344.
Araj, G.F. 3796.
Arakawa, A. 4579.
Arakawa, H. 4079, 5803.
Araki, H. 7682.
Araki, K. 2730, 3989, 4833, 7531.
Araki, S. 6850.
Araki, T. 42, 1513.
Araki, Y. 5803.
Aram, G.N. 9105.
Arambel, M.J. 10638, 10876.
Arambulo, P.V.,III 13369.
Aramori, I. 5866.
Aranda, C. 631.
Arango, L. 11734.
Aranha, H. 3849.
Aranha, H.G. 2662.
Arata, H. 6551.
Aravind, M.K. 10427.
Arber, W. 6764.
Arbuthnott, J.P. 473, 1679, 3125, 10131.
Arcamone, F. 7744, 7774.
Arce, J. 9927.
Arceneaux, J.E.L. 2817, 3849, 8616.
Archer, D.B. 1859, 4135, 12343, 13422, 13449.
Archer, D.L. 1828.
Archer, G.L. 5861.
Archer, J.R. 538.
Archer, L. 8894.
Archer, L.J. 1662.
Archer, L.T. 8881, 11962.
Archer, R.H. 7455, 9616.
Archibald, A.R. 9790.
Archibald, F.S. 1396.
Archuleta, J.G. 4603.
Arcuri, E.J. 9637.
Ardeshir, F. 1601.
Ardoin., P. 7084.
Arellano, P.A. 781.
Arenas, A. 11664.
Arens, C. 5351.
Arensberg, D. 10448.
Arenson, D.J. 4513.
Arents, J.C. 4715.
Aretz, W. 4050.
Argoudelis, A.D. 7726.
Arianoutsou-Faraggitaki, M. 13465.
Arias, A. 12412, 12439.
Arias, J.W. 5414.
Ariel, B.M. 13295.
Ariel, F.E. 4443.
Ariel, M. 8709.
Aries, V. 10985.
Arihara, K. 3957.
Arima, Y. 1181, 6422.
Arimasu, O. 2320.
Arimori, S. 3450.
Arimura, A. 7109.
Arioli, V. 3036, 4188.
Aris, H. 9240.
Arisawa, M. 8774, 12901.
Arisi, L. 5325.
Aristarkhova, V.I. 12265.
Arita, H. 518.
Arkhangelskaya, E.I. 7076.
Arkhipova, V.R. 10.
Arking, L. 8808.
Arko, R.J. 8027.
Arlet, J. 3537, 5398.
Arlet, P. 3537.
Armengaud, M. 2118, 3419, 6272, 9178.
Armes, L.G. 8522.
Armignacco, O. 5163.
Armitage, J.P. 2606, 8391.
Armold, M.T. 4070.
Armstrong, A. 7364.
Armstrong, C.H. 1083, 8273.
Armstrong, D. 5909.
Armstrong, D.J. 1453.
Armstrong, F.A. 11025.
Armstrong, J. 6727.
Armstrong, J.B. 228.
Armstrong, J.R. 2334.
Armstrong, K. 3568, 4145.
Armstrong, N.E. 7867.
Armstrong, R.A. 8188.
Arnason, T. 7854.
Arnberg, A.C. 4820.
Arndt, K.T. 4816.
Arneberg, P. 10303, 11682.
Arnedo Pena, A. 5422.
Arnold, A.J. 13230.
Arnold, D.R. 587.
Arnold, E. 9983.
Arnold, K. 344, 10376.
Arnold, R. 722, 6156, 10360.
Arnold, R.R. 8398.
Arnon, R. 10268, 11641.
Arnon, S.S. 3469, 8960.
Arnott, R.A. 1166.
Arnott, S.M. 307.
Arntzen, L. 3616.
Arny, D.C. 12121.
Aronoff, S.C. 10460.
Aronovici, A. 1082.
Arons, M.S. 6302.
Aronson, A.I. 2905, 6621.
Aronson, I.K. 6085.
Aronsson, B. 13178.
Arora, D. 7445.
Arora, D.R. 7874, 9984.
Arp, L.H. 546, 9051.
Arrate, J.K. 7070.
Arriero, M.J. 6876.
Arrizza, S. 9549.
Arrow, B.B. 3293.
Arroyo, P.J. 10264.
Arshavsky, V.Yu. 10946.
Arstila, J. 7274.
Arthur, J.D. 7214.
Arthur, R. 3858.
Arthur, R.R. 12254.
Artigas, J.M.G. 13343.
Artsatbanov, V.Iu. 12484.
Artusi, T. 6318.
Arusell, R.M. 5213.
Arutyunyan, T.G. 13518.
Arvieu, J.C. 11450.
Arvilommi, H. 6922.
Arya, A. 10745.
Arya, L.S. 9105, 10536.
Arya, O.P. 6452.
Arya, P.L. 7225.
Arya, V.K. 403.
Asada, K. 8700.
Asada, M. 4740.
Asada, Y. 3993, 8590.
Asagi, M. 1692.
Asai, J. 6905.
Asai, M. 2991, 9620.
Asai, T. 2646, 5039.
Asakawa, M. 4403.
Asano, H. 10109.
Asano, N. 2638.
Asboe-Hansen, G. 7413.
Asbury, M.A. 2297.
Asche, V. 3073.
Aseeva, K.B. 12667.
Asensio, C. 5933, 10022.
Aseyeva, I.V. 12445.
Asfaw, B. 4377.
Ash, D.E. 4812.
Ash, G. 1589.
Ash, J.T. 7603.
Ashbaugh, P. 5650.
Ashburner, M. 13537.
Ashby, R.E. 2822, 5551.
Ashcar, H. 4793, 13072.
Ashdown, L.R. 3167, 5243.
Asher, C.J. 10794.
Asher, R.A. 8429.
Ashley, M.P. 9019, 9048.
Ashline, V. 7124.
Ashmarin, Y.Y. 10439.
Ashour, F.A. 433.
Ashton, F.E. 8018.
Ashworth, H. 6026.
Asif, M. 12987.
Asikainen, S. 712.
Asin, J.M.M. 12019.
Aslamkhan, M. 12987.
Asman, B. 5283.
Asmussen, M.D. 1390.
Asnana, P.J. 2064.
Asou, S. 9796.
Asperger, O. 141.
Aspinall, G.O. 6888.
Aspiras, R.B. 8198, 10851.
Asscher, A.W. 92, 2091, 6220.
Asselineau, C. 4083.
Asselineau, J. 11233, 12716.
Assev, S. 435.
Assey, M.E. 2198.
Astashkin, E.I. 10063.
Astiazaran, F. 2128.
Astle, G. 291.
Aston, W.P. 3192, 10234.
Astry, C.L. 3220.
Asuka, N. 2223.
Atenza, J.L. 926.
Atev, A.P. 98.
Athalye, M. 2514.
Atherly, A.G. 9648.
Atherton, F.R. 1732, 11463.
Athlin, L. 3471.
Atia, M. 1162.
Atkins, D. 11052.
Atkins, E.D.T. 7626.
Atkinson, B. 1404, 5101.
Atkinson, E.R. 8866.
Atkinson, H.M. 2551, 10071.
Atkinson, L.S. 946.
Atkinson, T. 9754, 11179.
Atlas, R.M. 99, 1246, 3855, 107
Atlung, T. 12515.
Atrat, P. 7457.
Attaway, H.H. 8425.
Attleberger, M. 10680.
Attstroem, R. 707.
Attstrom, R. 4379.
Attwell, R. 12413.
Attwood, D. 1966.
Attwood, M.A. 12429.
Atuk, N.O. 3337.
Aubert, J.-P. 8688.

rt, J.P. 1605.
rtin, J. 6272, 8001, 9255.
a, J. 10398.
yer, C. 6281.
ey, C. 10484.
mp, V. 711.
enthaler, R. 9958, 10110.
air, L.K. 3214.
air, M.C. 1829.
ebert, C. 4514.
en, J.A.L. 2980.
ibert, F. 3144, 10208, 11641.
urier, A. 9260, 11538.
r, J.A. 10675.
demorte, T. 11913.
demorte, T.B. 5476.
fret, A.D. 2678.
rant, C. 6139, 6296, 8076.
ier-Gibory, S. 8920, 13047.
ier, J. 8920, 13047.
ustin, J. 8847, 10041.
ustiniak, H. 7713, 11361.
ard, Y. 2115, 6296.
akh, G.S. 2702.
ehla, R. 2290.
icino, F.A. 8219.
isio, C. 8936.
t, K.A. 4313.
ne, K.C. 1450.
quier, L. 3496.
quire, L. 9222.
ron, P.E. 4809.
st-Kettis, A. 3229.
sten, R.A. 1852.
stin, B. 1127, 2565, 5575, 8090.
stin, F.J. 1034.
stin, S. 1681.
stoker, L.H. 1988.
strain, R. 9093.
strheim, B. 4169.
strian, R. 1017, 5251, 7347.
subel, F.M. 6762, 9833, 9835.
tran, B. 906.
vergnat, J.C. 3480, 3513.
zepy, P. 7201.
vakian, H. 522, 523.
vdeev, V.G. 12649.
ve-Virat, A. 1878.
velino, C.C. 8597.
vendano, M.C. 1289.
vendano, S. 11475.
verbach, M.M. 4380.
verbeck, D. 12742.
verill, B.A. 11004.
verkiev, A.A. 12296.
very, G. 8063.
very, G.S. 3038, 4171.
very, L. 9898.
vetyan, Sh.A. 4206.
vilova, T.V. 8611.
viram, A. 7939.
vital, S. 5714, 11072.
viv, H. 8667.
vlami, A. 942, 5075.
vnimelech, Y. 3742.
vril, M.F. 906.
vrova, N.P. 12619.
waad, M.H.H. 13379.
wad-Massalmeh, M. 10156.
wai, J. 1188.
wano, M. 7640.
we, R.J. 7001.
xelrod, L. 3342.
xelsen, N.H. 4681, 5203, 7904, 10171.
xelsson, P. 706.
xenova, G.A. 2301.
xline, S.G. 10622.
xocella, G. 4361.
yabe, T. 5305.
yanaba, A. 3, 1191, 9448.
yanwale, L.F. 10137.
yars, G.H. 10967.
ycardi, E.R. 9373.
yers, L. 4751.
yliffe, G.A.J. 6946.
yling, P.D. 2610.
ymard, M. 10140, 10153.
ymerich, M. 13213.
youb, E.M. 1352.
yre, R. 3322.
yres, S.,Jr. 1938.
zadegan, A.A. 10649.
zam, F. 4771.
zarova, T.S. 13500.
zemun, P. 394.
zeredo, R.S. 7991.
zevedo dos Santos, M.A. 3602.
zhitsky, G.Yu. 12574.
zimi, P.H. 2217, 5922.
ziz, A. 4199.
ziz, A.H. 12243, 12937.
ziz, K.M.A. 13160.
zizov, R.G. 10939.
znar, J. 938.
Azou, M. 4442.
Azoulay, E. 4929, 6075.
Azoulay, G. 13350.
Azouz, E.M. 1005.
Azuma, E. 10015.
Azuma, I. 9009.
Azuma, Y. 13292.
Azzi, A. 11143.
Azzolina, R. 1767, 4216.

Baals, H. 13252.
Baard, S.W. 3728.
Baassiri, A. 13309.
Baba, E. 4579, 10643.
Baba, H. 13292.
Baba, M. 8654.
Babalola, A.A. 3409.
Babayants, R.S. 2164.
Babel, W. 203, 2759.
Babenko, Y.S. 13489.
Babichev, S.I. 2196.
Babilonia, N. 7113.
Babior, B.M. 9749.
Babish, J.G. 5107, 8812.
Babjeva, I.P. 12153.
Bacalu, L. 13340.
Bacanegra, F.A. 12171.
Baccanari, D.P. 12610.
Baccarini-Melandri, A. 9670.
Baccichetti, F. 11456.
Bach, W. 1945.
Bacharach, M. 5322.
Bachelard, P. 11700.
Bacheson, M.A. 3086.
Bachet, J. 8045.
Bachhawat, B.K. 11243.
Bachi, B. 9988.
Bachman, B.A. 11577.
Bachman, D.M. 13266.
Bachman, P.A. 10829.
Bachmann, R.C. 1414.
Bachofen, R. 3921.
Bachovchin, W.W. 11158.
Bachrach, S.J. 5316.
Back, W. 9548.
Backes, C.R. 9049.
Backman, A. 9853.
Backman, M. 12743.
Backus, E.A. 1327.
Baclanov, M.M. 5739.
Baczyk, K. 11589.
Badakhsh, F.F. 5189.
Badawi, A. 449.
Baddiley, J. 1564, 1569, 2821.
Baden, J.M. 2635.
Badenoch-Jones, P. 548.
Bader, J. 4941.
Badersten, A. 6157.
Badin de Montjoye, T. 9351, 11619.
Bae, B.H.C. 4388.
Baechinger, H. 9722.
Baeck, E. 2028.
Baehler, E. 12989.
Baehni, P.C. 5171.
Baer, H. 1352, 5955.
Baerlocher, K. 11903.
Baertschi, H. 1176.
Baesl, T.J. 5376.
Baess, I. 9569.
Baez, S. 3152.
Baeza, H. 12000.
Bagby, G.J. 8880, 13031.
Bagchi, B. 7866.
Bagde, U.S. 6442.
Bagg, A. 11278.
Bagg, J. 8924.
Baggish, D. 866.
Bagley, D.H. 3538.
Bagley, S.T. 4713.
Bagyaraj, D.J. 7308, 7322, 9453.
Bahadur, K. 12730, 13479, 13482.
Bahchevandzhieva, M.D. 3643.
Bahl, C. 6768.
Bahl, H. 8645, 11250.
Bahr, G.M. 4315, 6073, 7949.
Bahramian, M.B. 11076.
Bai, C. 1132.
Bai, N.J. 7608.
Bai, Y.L. 12925.
Baier, J. 2093.
Baier, R. 500, 7918, 9268.
Baier, W. 10045.
Bailey, J.S. 3757.
Bailey, M. 9570.
Bailey, M.C. 6166.
Bailey, R.R. 10601, 11375.
Bailit, L. 11688.
Baily, P. 10294.
Bain, S.S.R. 9148.
Baines, J.D. 3856.
Baird, I. 4415, 8002.
Baird, I.M. 556.
Bajaj, A.K. 693, 9011.
Bajkowski, A.S. 7618.
Bajorunas, D. 1969.
Bakalivanov, D. 6420.
Bakar, R. 6245.
Bakar, R.A. 6246.
Bake, D. 8210.
Baker-Zander, S. 11613.
Baker-Zander, S.A. 3198, 10182, 11554.
Baker, A.S. 3342, 9117.
Baker, C.J. 608, 2130, 2275, 3008, 4459, 4506, 7057, 7123, 10256, 11869.
Baker, C.N. 1711.
Baker, D. 10820.
Baker, D.A. 7042.
Baker, K.B. 4551.
Baker, K.K. 9392, 13443.
Baker, L.R.I. 2073.
Baker, N.R. 9583.
Baker, P.J. 6933, 8967.
Baker, R. 1200.
Baker, R.L. 13111.
Baker, R.R. 2256.
Baker, R.S. 8905.
Bakhtiar, M. 373.
Bakken, G. 2550, 3581, 5482.
Bakker-Kok, J. 2176.
Bakker, E.P. 69.
Bakker, M. 10223, 10278, 11618.
Bakoss, P. 6884.
Bal, A.K. 2428, 7416, 12133, 13494.
Bala, A.K. 9332.
Balaba, S.Ya. 4457.
Balabaeva, L.N. 12881.
Balabushevich, M.I. 12374, 12375, 12446, 12561.
Balachandran, R. 5753.
Balakliets, N.I. 10668.
Balansard, G. 1773.
Balaprakasam, R.A. 3628, 8813, 12260, 13377.
Balaram, P. 9028.
Balaraman, K. 9377.
Balashov, M.P. 5185.
Balasubramanian, V. 9449.
Balasubramanya, R.H. 8261.
Balaya, S. 7878.
Balazs, D. 6124.
Balazs, T. 12976.
Balba, M.T. 3739, 12713.
Baldensperger, J.F. 8238.
Baldini, G. 158, 11733.
Baldini, L.M. 11875.
Baldovi, V. 11811.
Baldry, M.G.C. 121, 136.
Baldwin, C.H. 2336.
Baldwin, G.S. 4038, 4051.
Baldwin, J.N. 3049.
Baldwin, K.A. 1050.
Baldwin, R.J.T. 13080.
Baldwin, T.O. 1423, 5780, 9784.
Bale, G. 10288.
Bale, M.J. 4664, 4693.
Bale, O.O.J. 7262.
Balestrieri, C. 12539.
Balfour, H.H.,Jr. 11744.
Balganesh, T.S. 2880, 11243.
Bali, A. 3347.
Balikian, J.P. 13154.
Balint, G. 6944.
Balis, J.U. 8891.
Balish, E. 5447.
Balistreri, W.F. 3491.
Balitskaya, R.M. 178.
Balitz, D.M. 7724, 9983.
Baljer, G. 13060.
Balk, H. 208.
Balke, P.A. 3363.
Ball, A. 5649.
Ball, A.P. 1761, 10598.
Ball, H.J. 2757, 3591, 7278.
Ball, M. 2193.
Ball, S.J. 2421.
Ballada, D. 5360.
Ballantine, T.V.N. 11895.
Ballard, R. 932.
Ballard, R.C. 11377, 11382.
Ballas, S.K. 4498.
Ballester, J.A. 1001.
Ballesteros, A. 4894.
Ballou, D.P. 3954, 3966, 7568.
Ballou, S.P. 755.
Bally, R. 11437.
Balmukhanov, T.S. 275.
Balows, A. 10859, 10895, 12192.
Balsara, R.K. 960.
Balsari, A. 13171.
Balsdon, M.J. 3391.
Baltch, A.L. 1011, 1883, 8762.
Baltimore, R. 5343.
Baltscheffsky, H. 2679, 6564.
Baltz, R.H. 2755, 2978, 7639, 8753, 11340, 11355, 12798.
Baltzer, B. 5979.
Baluyut, C.S. 559.
Balyavichene, G.R. 3284.
Balzano, E. 6982.
Baman, S.I. 7099.
Bamberg, P. 7997.
Bamford, D.H. 7670.
Bamford, V.W. 7019.
Bamgboye, P.O. 13045.
Ban, M. 3346.
Ban, S.N. 8397.
Banai, M. 2620, 9601, 10962, 11546.
Banaszuk, A.M. 6755.
Banat, I.B. 3739.
Band, J.D. 742, 3482, 7142, 11870.
Bando, K. 5906.
Bando, S. 3868.
Banerjee, A.K. 2639.
Banerjee, C.K. 5335.
Banerjee, D. 12699.
Banerjee, D.P. 3228.
Banet, M. 11563.
Banfalvi, Z 1625.
Banfi, E. 3191, 3985.
Bang, J. 3065.
Bangun, A. 24.
Banic, B. 4383.
Banihashemi, Z. 7329.
Banik, S. 12387, 13495, 13498.
Bankaitis, V.A. 6708, 12671.
Banki, M. 4668.
Bankl, H. 4656.
Banks, G.T. 7624.
Banks, J. 11830.
Bannatyne, R.M. 2558, 3256, 6282, 7769.
Banner, C.D.B. 1584, 1618.
Bannister, B. 8010, 9096, 11491.
Bannister, E.R. 4657.
Bannister, G. 7034.
Banno, I. 8410, 8627.
Banno, Y. 1805.
Banos, Z. 6119, 9031.
Bansal, M.B. 9979.
Bansal, M.P. 2219.
Bansal, V.S. 8644, 9806.
Bansky, G. 2183.
Bao, X.-H. 11651.
Bao, Y.-D. 12835.
Bapat, C.V. 3245.
Baquero, F. 5933.
Baquillon, G. 5222.
Bar-Meir, S. 11617.
Bar-Moshe, B. 10687.
Bar, D. 11843.
Barabonov, L.G. 5346.
Baraff, L.J. 3246.
Barak, M. 1416.
Barak, Z. 5757.
Barakat, R. 9708.
Barale, F. 13028.
Barandun, S. 1916.
Baranova, I.P. 11018.
Baranova, N. 7488.
Barany, F. 8739.
Barat Cascante, A. 877.
Baratto, T. 4667.
Barba-Rubio, J. 10214.
Barbaree, J.M. 7354.
Barbaro, S. 662.
Barbas, J.A. 10941.
Barbato, G. 13142.
Barbe, J. 6741.
Barbehenn, E.K. 4890.
Barber, C. 4135.
Barber, L. 9485.
Barbey, S. 10190.
Barbhaiya, R.H. 5966.
Barbieri, J.T. 4228.
Barbounis, V. 11739.
Barbour, A.G. 3377, 8767.
Barbour, E.K. 8759.
Barbour, M.G. 235.
Barbour, S.D. 6761.
Barbu, I. 7957.
Barbui, T. 3143.
Barbuti, S. 7688.
Barchet, W.R. 13530.
Barclay, R.P.C. 11957.
Bardarov, S.S. 8572.
Barden, T.P. 10408.
Barder, M.J. 103.
Bardhan, P.K. 11785.
Bardin, C. 6675.
Bardin, R. 7332.
Barenholtz, L. 10331.
Barenholz, Y. 9632.
Barenkamp, S.J. 4524, 4694, 5597, 11999.
Baret, A. 6079.
Barfod, K. 10713.
Barg, L. 7292.
Baril, E.F. 7621.
Barile, M.F. 2702, 9529, 10273.
Barkenius, G. 837.
Barker, D.F. 4114.
Barker, D.G. 11260.
Barker, H.A. 7427, 12379.
Barker, I.K. 12079.
Barker, J.F. 7428.
Barker, S.A. 7624.
Barkovsky, A.L. 11000.
Barlett, K.H. 5094.
Barmeir, E. 6243.
Barna, K. 315.
Barnabe, N. 4015, 8416.
Barnau, F. 10646.
Barnes, A. 8933.
Barnes, A.M. 6173.
Barnes, D.K. 6426, 8164, 9482.
Barnes, W. 6642.
Barnes, W.G. 304, 2195.
Barnett, M.L. 13111.
Barnett, N.K. 882.
Barnett, N.M. 2448.
Barnham, M. 4358.
Barnickel, G. 10960, 12705, 12706.
Barnikol, H. 6997.
Barnsley, E.A. 5862, 9638.
Barnum, D.A. 6346, 8111, 9353, 9355, 9562, 10236, 11608, 13398.
Barnwell, P.A. 326.
Baron, D. 11900.
Baron, F. 1047.
Baron, L.S. 5835, 9868, 11632.
Baron, S.J. 5679.
Baron, S.S. 6816, 8854.
Baroncini, W. 911.
Baroni, B. 5247.
Barr, A.R. 3650.
Barr, G.C. 1684.
Barr, J.G. 2930.
Barr, N.L.,Jr. 7793.
Barr, P.A. 5296, 11877.
Barraquio, W.L. 1183.
Barratt, J. 1901.
Barratt, M.D. 8353.
Barreau, J. 3532.
Barreca, T. 10595.
Barrentine, W.L. 1151.
Barrere, M. 3480.
Barrett, A. 11121.
Barrett, A.N. 1362.
Barrett, C.H. 4062, 4898.
Barrett, D.J. 657.
Barrett, E.L. 2876, 8683.
Barrett, J.M. 7050.
Barrett, J.T. 6704.
Barrett, T. 3362, 11763.
Barrett, T.J. 4249, 7286.
Barrier, J. 11901.
Barriola, J. 12060.
Barrios L.,J. 1783.
Barro, L. 3724.
Barron, S.J. 10697.
Barros, G.C. 12175.
Barrow, G.I. 2515.
Barrow, W.W. 6890.
Barry, A.L. 320, 1715, 5089, 6807, 6809, 6810, 11379, 11389, 11392.
Barry, L.A. 391.
Barshtein, Yu.A. 13173, 13295, 13298.
Barsumian, E.L. 3169.
Barta, A.L. 8192.
Bartell, P.F. 220.
Barth, K.H. 13309.
Barth, O.M. 7991.
Barth, P.T. 2948.
Barth, R.F. 3470.
Bartha, R. 5667, 10782.
Bartholmes, P. 208, 7589.
Bartholomew, G.W. 8395.
Bartlett, C. 1990.
Bartlett, G.L. 10210.
Bartlett, J.D. 3157.
Bartlett, J.G. 498, 5998, 6015, 7008, 10092, 11419, 11707.
Bartlett, K.H. 1690, 5078.
Bartlett, K.N. 11524.
Bartlett, M.S. 10287.
Bartlett, R.J. 1174.
Bartley, E.E. 6321, 10876.
Bartley, T.D. 5554.
Bartmann, K. 4356, 6790.
Bartolome, P. 10430.
Barton, C. 5327.
Barton, F.E.,II 6327.
Barton, L.J. 9987.
Barton, L.L. 1895, 8003, 8062, 8314, 10422.
Barton, M.G. 5462, 7237.
Bartos, F. 7898.
Bartz, J.A. 3658, 7306, 12102.
Baruah, J.N. 2815.
Barug, D. 2636.
Barysch, G. 6929.
Baryshev, V.A. 1343, 8393, 10946, 10949, 12330.
Baryshnikova, L.M. 10908.

Barz, R. 9.
Barza, M. 2184, 2397, 3419, 6603, 9310.
Barzilay, Z. 3406.
Basappa, S.C. 444, 4208.
Bascomb, S. 13201.
Baseman, J.B. 1874, 6869, 9601, 11546, 12340.
Basham, H.G. 4600.
Bashan, Y. 3660, 3669, 8258, 12096, 12099.
Bashford, D.J. 9493.
Bashir, H. 4324.
Bashirov, O.Y. 12649.
Basile, B. 12533.
Basker, M.J. 348, 2959.
Baskerville, A. 10677.
Baskerville, A.J. 9041.
Baskerville, M. 10677.
Baskunov, B.P. 10996, 12391, 12393.
Basler, W. 1103.
Basnakyan, A.G. 12505.
Bass, J.A. 3190.
Bass, J.W. 7214.
Bass, S.N. 6924.
Bassaris, H.P. 3390.
Bassetti, D. 11886.
Bassford, P.J.,Jr. 8532, 12671.
Bassily, S.B. 3376.
Bassiouny, A. 10318.
Bassleer, J. 6183.
Basta, M.T. 6033.
Bastianello, S.S. 3639.
Bastille, A. 13257.
Bastin, R. 2111, 6269, 9297, 11715.
Bastos, M.C.F. 1672.
Basu, A. 11196.
Basu, M. 10975, 12699.
Basu, P.S. 8174.
Basu, S. 44, 7866.
Batalla, J. 10398.
Batchelor, R.J. 7951.
Batema, R.P. 1846.
Bateman, D.F. 9734.
Bates, J. 7992.
Bates, J.H. 3807, 5879, 6974.
Bateson, J.H. 2959.
Batish, V.K. 4942.
Batisse, A. 9235.
Batley, M. 11231.
Batrakov, S.G. 4084, 7629, 9914.
Batta, R.P. 8095.
Batten, J.C. 9261.
Battesti, J.P. 2005.
Battin, J. 7061.
Battistini, C. 7774.
Battistoni, P. 5864, 12860.
Batts, D.H. 4415, 10380.
Batzinger, R.P. 12080.
Bauch, J. 10753, 10754.
Bauchop, T. 3679, 8429.
Bauder, T. 9181.
Baudras, A. 4839, 11056, 11180.
Bauer, D.H. 6906.
Bauer, E. 3045, 9268.
Bauer, M.R. 1291.
Bauer, N.J. 7380.
Bauer, W.B. 13490.
Bauer, W.D. 4633, 10770.
Bauer, W.R. 4145.
Bauerfeind, S. 8241.
Bauernfeind, A. 5080, 6472.
Bauerreiss, P. 7185.
Baugh, C.L. 1390.
Baum, J. 2397.
Baum, R.H. 7857.
Bauman, M.P. 9308.
Baumann, D. 2160.
Baumann, P.C. 8044.
Baumann, W. 1532.
Baumbach, L. 11.
Baumeister, W. 11108.
Baumgaertner, M. 11410.
Baumgartner, S. 6840.
Baveja, U.K. 1515.
Bavoil, P. 5008.
Bawden, D. 440.
Baxter, A.J.G. 2959.
Baya, A.M. 3709, 6425.
Bayardelle, P. 6193, 10487.
Bayer, A.S. 6795, 6826, 7215, 9293.
Bayer, E.A. 12301.
Bayer, H. 6833.
Bayer, M.E. 2684, 6488.
Bayer, M.H. 2684, 6488.
Bayer, R.C. 13418.
Bayev, A.A. 8593, 12759.
Bayle, P. 5394, 7399.
Bayle, R. 5461.
Baylet, R. 4569.
Bayley, S. 8043.
Baylis, J.M. 832.
Bayliss, M.E. 8566.
Baylor, N. 1591.
Bayly, R.C. 235.
Bayston, R. 441, 9169, 10433, 11777.
Bazan, T.S. 3223.
Bazin, C. 2116.
Bazin, H. 2186.
Bazin, M. 12480, 12495.
Bazlikova, M. 1109.
Bazovska, S. 11238.
Bazzato, G. 9213.
Beacham, I.R. 1673, 9845.
Beachey, E.H. 6672, 9016, 9603, 11560, 12696.
Beacking, J.H. 9435.
Beale, A.S. 10658.
Beall, A.C.,Jr. 4460.
Beaman, B.L. 1090, 2616, 3830, 6078, 6196.
Beams, H.W. 6427.
Beard, C. 2890.
Beard, G.B. 12241.
Beard, L.J. 1896.
Beard, M.E.J. 6208.
Beardsmore, A.J. 12453.
Beart, R.W.,Jr. 9311.
Beasley, G.R. 12007.
Beasley, J.N. 6343.
Beaton, C.D. 5490.
Beatty, J.T. 4786.
Beaucage, C.M. 2351.
Beaucaire, G. 859, 9305, 10472, 13268.
Beauchamp, D. 13257.
Beauchamp, E.G. 5513, 13475.
Beauchamp, M.S. 8877.
Beaud, R. 2535, 6886, 11549.
Beaudet, R. 2426, 9707, 12382, 13459.
Beaudoin, M. 11993.
Beaufils, F. 2115, 6296.
Beaumont, P.R. 5481.
Beauvais, P. 999.
Bebear, C. 9255.
Bebear, C.J. 6633.
Bebieu, D. 5023.
Becerra, J. 7859.
Becerra, S. 1706.
Bechelli, L.M. 11664.
Bechhofer, D.H. 12839.
Beck, C.F. 6741.
Beck, D.P. 104, 105, 8403, 8405.
Beck, E. 2027, 9590.
Beck, E.G. 11713.
Beck, W. 10775.
Becker, G.D. 13259.
Becker, H. 4677.
Becker, H.M. 6303.
Becker, I.D. 3223.
Becker, L.E. 682, 11661.
Becker, M.M. 10748.
Becker, N. 952.
Becker, R.R. 7611.
Becker, S. 3407, 7014, 7160.
Becker, T. 10611.
Beckers, H.J.A. 4593, 11012.
Beckman, R.A. 4800.
Beckman, W. 5867.
Beckmann, W. 114, 2645.
Beckwith, D.G. 2520.
Beckwith, J. 267, 6598, 6642, 6697, 8533.
Becq-Giraudon, B. 3540, 13323.
Bedbrook, J. 2706.
Beddome, V.D. 6370.
Bedeschi, A. 9949, 11397.
Bedetti, C.D. 5315.
Bedford, K.A. 347, 386.
Bednarova, M. 8190.
Bednova, V.N. 4654.
Bedouelle, H. 8670.
Bedoya, J.M. 2146.
Beeden, A.G. 1983.
Beeken, W. 6115.
Beeken, W.L. 11766.
Beem, M.O. 11711.
Beer, K. 3746.
Beer, S. 2753.
Beer, S.V. 9734, 12448.
Beer, Z. 13177.
Beeumen, J.V. 4914.
Begg, C.W. 7294.
Begg, H.B. 11804.
Begleiter, A. 6956.
Beguin-Billecoq, R. 5120.
Behal, V. 7421.
Behan, K.A. 7908.
Behan, P.O. 2152.
Beher, M.G. 1607.
Behlau, I. 245.
Behling, U.H. 554.
Behlke, J. 167, 11113.
Behn, A.R. 2325.
Behnke, D. 5020.
Behre, U. 785.
Behrendt, W.A. 2072.
Behrens-Baumann, W. 7118.
Behrens, U. 11214.
Behymer, D. 8105.
Beiderbeck, R. 4671, 13434.
Beighton, D. 732, 2344, 4291, 6131, 10302, 10679, 12400, 13100.
Beignot-Devalmont, M. 408.
Beintema, J.J. 7545.
Beisel, K. 997.
Beisel, W.R. 2240, 13032.
Beiting, A. 10408.
Bejar, V. 7790.
Bek, E. 752.
Bekessy, A. 2269.
Bekina, N.N. 9202.
Bekker, O.M. 4457.
Bekki, E. 1026, 2046, 2317.
Beklemishev, N.D. 6087.
Belagaje, R. 4967.
Belaich, J. 6539.
Belaich, J.-P. 10989.
Belaiche, D. 9721.
Belardelli, F. 8886, 12249.
Belas, M.R. 8384, 12341.
Belaya, O.F. 1847.
Belaya, Yu.A. 7981.
Belcher, C. 1009.
Belcheva, L. 7202.
Belcon, M.C. 7186.
Belda, A.A. 746.
Belehu, A. 696, 8947.
Beletskaya, L.V. 524.
Beleva, S. 4223.
Belew, P.W. 10288.
Beliayeva, M.I. 12818.
Belic, I. 231, 3835.
Belikov, V.M. 7539.
Belikova, V.L. 10954.
Belitsina, N.V. 6580.
Belitsky, B.R. 11124.
Beljaev, S.S. 12140, 13509.
Belknap, B.S. 683.
Bell, J.A. 7559.
Bell, J.N. 2063.
Bell, J.V. 1130.
Bell, R. 6190.
Bell, R.C. 3641.
Bell, R.M. 4874.
Bell, S.H. 11115.
Bell, T.A. 10441.
Bellamy, W. 10524.
Bellante, G. 4307, 5205.
Bellanti, J.A. 10264.
Bellelli, T. 911.
Beller-Todd, B.K. 8881, 8894.
Bellhouse, R. 4551.
Bellinger, H. 11470.
Bellini, H.T. 734, 10303.
Bellion, E. 5664.
Bellows, A.R. 5429.
Belluomini, H.E. 7252.
Belly, R.T. 8417.
Belogurov, A.A. 275.
Belohradsky, B.H. 7129, 7131, 13062.
Belokonev, V.I. 2303.
Belokopytov, B.F. 10867, 12203.
Belousora, I.I. 381.
Belov, N.N. 1821.
Belov, Yu.M. 10865.
Belova, N.N. 11327.
Belser, L.W. 6414.
Belsey, E.M. 2136, 8028.
Belsheim, J. 13030.
Beltran, L.C. 11890.
Beluhan, F.Z. 8104.
Belyanova, L.P. 11213.
Belyavskaya, I.V. 7840.
Bemis, D.A. 3345.
Ben-Bassat, A. 125.
Ben-Gurion, R. 12869.
Ben-Hur, E. 11468.
Benada, O. 5019.
Benary, G. 3841.
Benassayag, C. 1829.
Benchetrit, L.C. 4126, 5289, 5855, 8597.
Benckiser, G. 9639.
Bencova, M. 8695.
Benda, O. 9881.
Bendall, M.J. 3552.
Bender, H.W.,Jr. 3478.
Bender, R.A. 2886.
Bendixen, P.H. 1812.
Bendjelloul, A. 13282.
Benedettini, G. 4314.
Benedict, A.A. 6081.
Benedict, F.A. 10142.
Benedict, R.C. 2501.
Benentzen, J.L. 11273.
Benes, S. 4452, 13232.
Benezet, H.J. 9612.
Bengis-Garber, C. 8377.
Benito, C.R. 11948.
Benito, M.A. 4526.
Benito, P. 2080.
Benjama, A. 8144.
Benjamin, B. 8894.
Benjamin, B.A. 8881, 11962.
Benjamin, C.E. 12592.
Benjamin, J.T. 10404.
Benjamin, W.H.,Jr. 1888.
Benn, R. 6775.
Bennaceur, M. 6406.
Bennedsen, J. 11615.
Bennell, M.A. 3252.
Bennett, D.C. 5850, 12776.
Bennett, E.O. 133.
Bennett, G.N. 11426.
Bennett, J.M. 2432.
Bennett, J.V. 2285, 10107.
Bennett, K.M. 6056.
Bennett, M. 7954.
Bennett, M.F. 6566.
Bennett, P. 2946.
Bennett, P.M. 12836.
Bennett, R.A. 3684, 4629.
Bennich, H. 543.
Benno, Y. 8094.
Benny, U.K. 1150.
Benoit, J. 7175.
Benonisen, E. 7787.
Bensch, K.G. 11773.
Bensch, R. 10283.
Benseman, B.A. 8927.
Bensman, A. 1878, 10389.
Benson, A. 10470.
Benson, C.E. 1357, 3086.
Benson, D.R. 10736.
Benson, G.S. 3389.
Benson, P.H. 4650.
Benson, S. 8531.
Bentaboulet, M. 3813.
Bentele, D. 10545.
Bentley, A.H. 10654.
Bentley, D.W. 643, 644.
Bentley, P.H. 348.
Bentley, R. 11031.
Bentley, S. 3263.
Bentzon, M.W. 8265.
Benz, R. 6605.
Benzing, L. 4073.
Benzinger, R.H. 6729.
Beppu, T. 2506, 4095, 4861, 7753.
Beranova, V. 5276.
Berant, M. 7181.
Berard, P. 13331.
Berberich, F.R. 645.
Berberich, S. 10446.
Berche, P.A. 1900.
Berchicci, R. 2633.
Berchtold, G.A. 7556, 9751.
Berchtold, M. 3570.
Berchtold, R. 10757.
Bercovier, H. 26, 27, 28, 29, 156, 1315.
Bercuson, D.H. 3029.
Berd, D. 4296.
Berdal, B. 1848.
Berdal, B.P. 5161, 5991, 11118, 11211, 11522, 11607.
Berdnikova, T.F. 11371.
Bereiter, H. 2203.
Berelowitz, B.A. 13223.
Berenguer, J. 6804.
Berenstein, E. 62.
Berestetsky, O.A. 13500.
Beretta, G. 5128.
Berezin, I.V. 12573.
Berezin, V.I. 12573.
Berg, A. 8569.
Berg, C.M. 6606, 9890, 9894.
Berg, D.E. 9890, 9894, 9898.
Berg, H.C. 8431.
Berg, I.E. 12048.
Berg, J.D. 12939.
Berg, J.N. 1824, 6020, 12990.
Berg, O. 764.
Berg, R.D. 5450.
Berg, T. 8896.
Berg, U. 2121, 10415.
Bergada, E. 13304.
Bergan, T. 1641, 3403, 6907, 6994, 8299, 8346, 9973, 10383, 11211, 11244, 11517, 11714.
Bergdahl, S. 7127.
Bergdoll, M. 9840.
Bergdoll, M.S. 7033, 8871, 9575, 10113, 10129.
Bergelson, L.D. 4084, 7629.
Berger, B.B. 10625.
Berger, B.W. 858.
Berger, C. 847.
Berger, C.S. 7157.
Berger, F. 828.
Berger, J. 2423, 7806.
Berger, L.A. 8059.
Berger, P.J. 13381.
Berger, R.D. 7306, 12102.
Bergeron, M.G. 891, 13257.
Bergersen, F.J. 4630.
Bergey, E.J. 11111.
Berggren, K.A. 559.
Berglin, E.H. 12947.
Bergman, A. 9323.
Bergman, B. 550.
Bergman, H.L. 3839.
Bergman, K. 3695, 111
Bergman, R.K. 526.
Bergmann, A. 2294, 364
Bergmann, P. 10957.
Bergmann, R. 1897.
Bergmans, H. 7658.
Bergmans, J.E.N. 12831
Bergner-Rabinowitz, S.
Bergner, H. 8080.
Bergoglio, D. 7090.
Bergquist, E.J. 3396.
Bergquist, P.L. 284, 873
Bergstedt, H. 764.
Bergstein, T. 2649.
Bergstrand, L.O. 6936, 6
Bergstresser, P.R. 11661.
Bergstroem, K. 5283.
Bergstroem, S. 6705.
Bergstrom, G.C. 12111.
Beri, S.N. 1185.
Bering, C.L. 7851.
Beringer, J.E. 2922, 2923
Berk, R.N. 838.
Berk, R.S. 997, 6008.
Berk, S.G. 8233.
Berk, S.L. 758, 2012, 116
Berka, R.M. 1626, 8557,
Berke, E. 884.
Berkelhamer, J.E. 9224.
Berkelman, R. 3553.
Berkhoff, G.A. 7264.
Berkowitz, C.D. 7102.
Berkowitz, F.E. 11833.
Berkowitz, R.J. 5366.
Berks, M. 12637.
Berland, L.L. 4429.
Berler, D.K. 11963.
Berlier, Y.M. 3687, 8587.
Berlin, K.D. 8127.
Berlin, Yu.A. 12510.
Berlingieri, M.T. 2745.
Berlutti, F. 2633.
Berman, J.N. 11161.
Berman, S.L. 6129.
Berman, T. 8178.
Berman, W.F. 2044.
Bermrick, W.J. 559.
Bermudez, C.A.A. 3455.
Bermudez, R.H. 1718.
Bernabeu, A. 8778.
Bernabeu, C. 7507.
Bernadac, A. 4161.
Bernalte, A.D.P. 2265.
Bernard, C. 1704, 3144, 453
Bernard, C.C.A. 3237.
Bernard, D.T. 6463.
Bernard, E. 13258.
Bernard, E.M. 5909.
Bernard, J. 408.
Bernardi, A. 4142.
Bernardi, F. 4142.
Bernardi, R. 5163.
Bernardino, V.B. 977.
Bernbein, B.A. 524.
Bernhardt, F. 3953.
Bernhardt, F.H. 7542.
Bernhardt, G. 5805.
Bernhardt, H. 10449.
Bernheim, F. 12320.
Bernick, J.J. 1833.
Bernier, J.-J. 9135.
Bernier, R.H. 661.
Berniere, J. 999.
Berninger, R.W. 3186.
Bernlohr, D.A. 1507, 1510.
Bernlohr, R.W. 186, 201, 151
Bernsau, U. 13296.
Bernsmann, P. 7526, 11229.
Bernstein, A. 3347.
Bernstein, B. 3502.
Bernstein, J. 7365.
Bernstein, J.D. 8471.
Bernthal, P. 2277, 2278.
Berquist, K. 6963.
Berre, A. 13258.
Berretta, G. 8430.
Berry, A.M. 12146.
Berry, D.M. 11349.
Berry, D.R. 7561.
Berry, L.J. 1086.
Berry, P.H. 2964, 8879, 8892
Berry, R.J. 2026, 3120, 7019,
Berry, S. 11578.
Bersani, C. 132, 5128.
Berteaud, A.J. 12742.
Bertha, B. 2380.
Berthold, P. 11532.
Bertholdt, A. 8656.
Berti, M. 371, 3036, 4188.
Bertin, A. 6201, 11525.

, P. 117.
one, S.J. 1967.
oni, G. 4667.
otti, E. 2031.
i, E. 6785.
e, A. 8046, 11705.
m, K.C. 1564.
m, S. 11067.
nd, A. 3546, 6272, 9238.
nd, J.L. 7140, 11705.
nd, K. 11290.
nd, P. 11112.
ld-Netter, Y. 11498.
ld, L.G. 2555, 5583, 6257.
A. 3480.
cenot, J.F. 9281.
, P. 10284.
felder, E. 8280.
thal, I. 11738.
d, G. 3567, 9180.
ow, R. 1911.
r, M. 7067.
on, A. 11749.
on, F. 4163, 7710.
A.N. 5891, 8669.
D.J. 2642, 3850, 5657.
J. 4135.
M. 6975.
r, J.B. 5571.
enfalvay, G.J. 2458.
a, V. 9582.
ch, M.R. 3832, 8465.
ny, J.R. 5514, 5526.
lheim, K.A. 1065, 3372,
46, 8927, 8943, 9156, 11296.
r, M. 7674.
, J.A. 8479.
oli, E.J. 10409.
, J.L. 6771.
, S.J. 6094, 10191.
hat, L.R. 13162.
he, B.-U. 5465.
he, W. 2358, 5465.
deker, R.F. 4918, 5643,
73, 8450.
mer-Jochmans, M.P. 2770, 2771.
nar, D.P. 7326.
nard, P. 8207.
tler-Schroder, U. 622.
anger, L. 1863, 11789.
elaqua, F.A. 2003.
eridge, E.G. 3099.
eridge, T.J. 9580.
ers, J. 3792.
ille, R. 9146.
vick, M.A. 5611.
vley, R.J.F. 6410.
, R.F. 635, 9044, 9046.
er, B. 4505.
mon, G.P.J. 5369.
mon, J.L. 2923.
reuther, K. 4912.
ille, P. 4568.
jak, V. 6211.
korovainy, A. 1395, 9650.
nedelnaya, N.L. 5740.
tou, M.-J. 13273.
rukova, L.V. 12271.
zuidenhout, J.D. 1781.
aduri, S. 6156.
agavan, B.S. 1029.
agwandin, L.J. 10708.
agwat, A.A. 4633, 6413.
agwat, R.R. 7855.
akdi, S. 5172.
alla, P. 10860.
amra, S. 2916.
andari, B. 4018, 9027.
aradwaj, V.P. 6145.
araswadker, M.S. 13089.
ardwaj, N. 5402.
argava, K.L. 11461.
argava, K.P. 8842.
argava, N.C. 2172, 13249.
argava, S.N. 2420.
askaran, C.S. 10559.
at, G.J. 10434.
at, J.V. 237, 2847.
at, M.B. 5029, 5031.
at, N.T. 4635.
atia, D. 200.
atia, R. 31, 4864, 7816, 11837.
atki, W.S. 3245.
atnagar, N. 12398.
attacharjee, A.K. 13015.
attacharya, A.K. 8882.
attacharyya, B. 9425.
attacharyya, F.K. 9846, 11436.
atti, A.R. 8018.
ide, V.P. 13457.
imji, S. 6865, 6867, 10203.
ogal, R.S. 2312.
ombe, B.B. 5529.
opale, K.K. 11466.
ujwala, R.A. 11385.
Bhushan, B. 3123.
Bhuta, P. 8496, 9677, 9688.
Bhutani, L.K. 898.
Bhuvaneswari, T.V. 1178, 4633.
Bhuwapatahanapun, S. 7463.
Bhuwapathanapun, S. 302.
Bhuyan, U.N. 5413, 8034, 9028.
Bia, F.J. 884.
Bia, M.J. 866.
Biacs, P. 8382.
Biagini, G. 10157.
Bianchi Paleari, M.A. 5128.
Bianchi, A.J.M. 2573.
Bianchi,E. 2322.
Bianco, M. 9778, 9779.
Bianco, P. 4777.
Bianucci, F. 8839.
Biard, J.F. 1772.
Biavasco, F. 395, 9810.
Bibb, M.J. 6760, 11314.
Bibb, W.F. 2576, 12679.
Bibby, B.G. 10300.
Biberstein, E.L. 8350.
Bibikov, S.I. 12330.
Bibilashvili, R.S. 2790.
Bican, P. 3922.
Bichler, K.-H 2072.
Bichowicz, I. 7915.
Bick, P.H. 6101.
Bickle, T.A. 3968, 9722, 11255.
Bicova, R. 9015.
Bidwai, P.S. 10466.
Bidwell, J.L. 11425.
Biederbeck, V.O. 13474.
Biegger, P. 974.
Bieker, J.J. 7494.
Bielecki, J. 11283.
Bieleski, R.L. 1678.
Biemann, K. 4926.
Bienvenu, P. 1444, 3244.
Biernat, V. 4432.
Biesert, L. 9782.
Biessmann, A. 9323.
Bigalke, H. 497, 3134, 6010.
Biggs, H. 3594.
Biglino, G. 8836.
Bihani, V.K. 9285.
Bilbrey, G.L. 2240.
Bilek, P. 10663, 12057.
Biles, C. 2990.
Bilgeri, Y.R. 11331, 11377.
Bilik, V. 8847.
Billaudel, S. 12895, 12896.
Biller, H.F. 2259.
Billing, E. 13420.
Billingham, M.E. 11773.
Billon, J. 7890.
Bills, R. 9188, 9243.
Biltonen, R.L. 3917, 4814.
Bimstein, E. 1961.
Binder, R. 11148.
Binderup, E. 5979.
Bindslev, B. 12811.
Binetruy, B. 8675.
Bingen, E. 6139, 6296, 8076.
Binkley, D. 3693.
Binnerts, J.S. 63, 12221.
Binns, J.H. 11902.
Binns, M.M 2950.
Binso, A.L. 4465.
Bint, A.J. 5069, 8255.
Bioko, O.I. 11119.
Biozzi, G. 9030.
Birch-Andersen, A. 5203.
Birch, D.F. 2068.
Birch, R.G. 1293.
Bird, G.W.G. 13252.
Bird, T.J. 5956.
Birdsall, B. 7553.
Birdsell, D.C. 67, 6083.
Birge, E.A. 3752, 11259.
Birjuzova, V.I. 12348.
Birk, R.J. 11402.
Birkbeck, T.H. 11101.
Birkhan, J. 664.
Birkhed, D. 705, 1629, 1953,
4675, 11227.
Birkness, K.A. 11754.
Birmingham, J.R. 3221.
Birmingham, V.A. 259.
Birnbaum, M.D. 681.
Birnboim, H.C. 7687.
Birot, A.M. 3694.
Biru, G. 5113.
Biryulina, T.I. 13372.
Biryuzova, V.I. 12676.
Bisaillon, G. 12382.
Bisaillon, J.G. 2426, 9707, 13459.
Bischoff, B. 10038.
Housciello, N.B. 8259.
Biserte, G. 9003, 9721.
Bisgaard, M. 7395.
Bishop, B.F. 10265.
Bishop, E.O. 11145.
Bishop, J.F. 6307.
Bishop, P.E. 5528, 9651.
Bishop, V. 10601, 11375.
Bismuth, R. 5052.
Bisno, A.L. 4176.
Bisping, V.W. 5460.
Bisping, W. 10682.
Bissel, A.R. 988.
Bisset, M.L. 2007.
Bisswanger, H. 11148.
Bistoni, F. 4306.
Bitner, R.M. 6690.
Bito, Y. 5624, 10046.
Bittan, R. 3876.
Bittman, R. 8371.
Bittner, M. 4972.
Bitton, G. 5568.
Bizzini, B. 497, 11631, 11652.
Bjelkhagen, H. 9082.
Bjerke, J.R. 604.
Bjerre, B. 829.
Bjoerck, L. 5137.
Bjoerksten, B. 10231.
Bjoern, A.L. 4367.
Bjoerneklett, A. 666, 675.
Bjornson, A.B. 11630.
Bjornson, H.S. 9565, 9575.
Bjorson, H.J. 3688.
Bjotvedt, G. 8085, 10714.
Black, F.T. 3611.
Black, J.D. 11501.
Black, R.E. 833, 1849, 6308,
7014, 7160, 11791.
Black, W.A. 4690.
Blackall, P.J. 12261.
Blackburn, B.O. 12927.
Blackburn, T.H. 1244, 13525.
Blacklock, Z.M. 3544, 6973.
Blackman, C.F. 56.
Blackmore, D.K. 3601, 5472,
9232, 13352.
Blackwell, C.C. 7388.
Blaha, H. 6303, 10623, 11914.
Blainey, A.D. 789.
Blair, D.G. 11313.
Blair, D.P. 9689.
Blair, J.N. 2572.
Blair, R. 7138.
Blair, W. 11786.
Blake, D. 6432.
Blake, D.R. 7108.
Blake, E. 10601.
Blake, J.D. 12707.
Blake, N.J. 11929.
Blake, P.A. 815, 4249.
Blake, R. 3983.
Blakely, R.L. 8602.
Blakemore, R.P. 6498.
Blakley, R.L. 11193.
Blanc, A.P. 9300.
Blanc, B. 3922.
Blanc, P.L. 11721.
Blanchard, B. 8886.
Blanchard, D.C. 8236.
Blanchard, T.L. 1272.
Blanco, A. 4973, 13383.
Blanco, A.A. 9139.
Blanco, C. 6691.
Blanco, J.D. 2232, 3381, 11809.
Blanco, M.V. 2266.
Bland, C.E. 6330.
Blandford, T.B. 1119.
Blandino, G. 316, 8838, 8844, 8852.
Blank, R.D. 11310.
Blankenship, L.C. 8832, 11369.
Blankenship, R.E. 6558, 8479.
Blankson, M. 11440.
Blanquet, P.R. 9003.
Blanquet, S. 1442, 1531, 5707,
5716, 7617.
Blaschek, H.P. 4769.
Blaschkowski, H.P. 1593.
Blaser, M.J. 2049, 2512, 6206,
7022, 7286, 10370, 11754,
13164.
Blaugrund, S.M. 2259.
Blayo, M.C. 6075.
Blazevic, D.J. 1310, 2504.
Blazey, D.L. 1623, 12746.
Blazy, B. 4839, 11056, 11180.
Blech, M. 10412.
Blecher, H. 5675.
Blecher, R. 5675.
Blechman, H. 13112.
Bleckmann, H. 11586.
Bleeker, A. 2176.
Bleeker, J.D. 11861.
Bleichner, G. 7220.
Bleiker, M. 1911.
Bleile, D.M. 202.
Blendis, L.M. 13351.
Blessing, H. 10498.
Blevins, D.G. 2448, 4625.
Blick, P.W.H. 1038.
Blin, F. 2002, 2005.
Blinder, G. 13138.
Blindow, H. 9229.
Blinkhorn, A.S. 1966.
Blobel, H. 2781, 4692, 7231,
8604, 11585.
Bloch, E.H. 6112.
Block, W. 8492.
Blodgett, R.C. 9077.
Bloebaum, A.P. 9316.
Blokhin, B.A. 3423.
Blokhina, I.N. 6470.
Bloksma, N. 10221.
Blom, J. 5521, 5976, 10981.
Blom, J.J.C. 9427.
Blomgren, G. 983.
Blondeau, M. 13350.
Blondeau, P.R. 13477.
Blondel, M.-O. 1647.
Blood, E. 8215.
Blood, R.M. 1280.
Bloodworth, G. 13110.
Bloom, J.R. 7297.
Bloomfield, V.A. 7887, 7888.
Bloomquist, C. 5282.
Bloomquist, C.G. 2617.
Blos, I. 139.
Blount, J. 853.
Blount, J.F. 1778.
Blount, J.H. 854.
Blout, E.R. 11024.
Bloxham, B. 7208.
Blozis, G.G. 13114.
Bluemel, P. 7020.
Bluestone, C.D. 13129.
Blum, C. 6296.
Blum, D. 951, 10115.
Blum, H. 1339, 12335.
Blum, M. 3269, 7939.
Blumauerova, M. 7619, 8750.
Blumen, E.A. 12023.
Blumenberg, M. 12521, 12522.
Blumenfeld, Z. 10633.
Blumenschein, G.R. 3251.
Blumenstock, E. 1905.
Blumenthal, D.H. 2274.
Blumenthal, T. 3897, 8493, 9681.
Blundell, J.K. 1565.
Blurey, J. 3276.
Blusson, H. 7601.
Board, R.G. 9619.
Bobbie, D.L. 8117.
Bobbie, R.J. 3734, 4650, 10803.
Bobo, C. 5431.
Bobyk, M.A. 12417, 12548.
Bocanegra, T.S. 1010.
Boccalon, H. 3513.
Boccazzi, A. 7179.
Boccu, E. 9761.
Bochereau, G. 2002.
Bochkareva, E.S. 8503.
Bock, A. 1481.
Bock, E. 10753.
Bock, H. 12710.
Bockemuehl, J. 6468, 11779.
Bockemuhl, J. 10143, 11549.
Bocker, H. 4961.
Bocklisch, H. 6347, 8116, 12045.
Bockris, J.O'M. 1776.
Bocquet-Pages, C. 3938.
Bocquet, J.P. 13258.
Bodey, G.P. 341, 3268, 3368,
5415, 5445, 6805, 8764, 9067,
9296, 9929, 9937.
Bodin, L. 834.
Bodley, J.W. 6004.
Bodmer, J. 9629.
Bodnar, S. 9136, 11973.
Bodunkova, L.E. 9880.
Bodyfelt, F.W. 4977.
Boeck, A. 10000, 12554, 12934.
Boeetius, F. 11037.
Boegman, R.J. 6860.
Boehle, W. 7934.
Boehm, H. 9828.
Boehm, K.H. 7847, 13397.
Boehm, M. 8772.
Boehm, P.D. 99.
Boehmann, J. 10888.
Boehme, U. 1916.
Boeke, J.D. 8739.
Boelaert, J. 11408.
Boelhouwer, C. 8444.
Boelin, I. 8938.
Boelsterli, U.A. 12976.
Boelter, M. 5547.
Boer, H.R. 669, 4443.
Boerema, J.B.J. 5330, 9147.
Boerner, D.F. 9125.
Boerzsoenyi, M. 7922.
Boese-Marrazzo, D. 482.
Boethling, R.S. 6425.
Boettcher, B. 4066.
Boffi, V. 15.
Bogacheva, L.G. 3432.
Bogatkov, S.V. 12569.
Bogatyreva, L.M. 12405.
Bogdanov, A.A. 2697, 6584, 12543.
Bogdany, L. 12622.
Bogdarina, I.G. 12759.
Bogden, A.E. 3188.
Boggio, R.R. 2337.
Bognar, S. 8031, 8033.
Bogokowsky, B. 3762.
Bogokowsky, H. 13340.
Bogomolni, R.A. 12498.
Bogomolov, B.P. 6965.
Bogomolova, N.S. 10486.
Bogosian, G. 11290.
Bogucka, E. 4566.
Bohannon, R.W. 7177.
Boher, B. 9387.
Bohin, J.-P. 8699.
Bohin, J.P. 1574.
Bohlander, F.A. 4970.
Bohlin, A.B. 2121.
Bohnenberger, E. 4904.
Bohnert, H.J. 193.
Bohnhoff, M. 10905.
Boichenko, E.A. 12594.
Boiko, O.I. 12381.
Boillot, A. 13028.
Bois, J.M. 1096.
Boisivon, A. 9288.
Boissy, M. 5405.
Boistard, P. 5510.
Boisvert, H. 6183.
Boiteux, S. 7505.
Bojesen, G. 2678.
Bokil, S.D. 101.
Bokkenheuser, V.D. 9926.
Bolanos, A. 7146.
Bolen, J.B. 5219.
Boles, J.M. 10450.
Bolitho, L.E. 5402.
Bolivar, F. 4973.
Bolivar, R. 8764, 9067.
Bolla, M. 13107.
Bollen, A. 11430.
Bollgren, I. 1920.
Bologna, M.P. 662.
Bolotskikh, L.A. 1825, 10727, 10728.
Bolshukhina, L.A. 578.
Bolstad, J. 13445.
Bolt, J.D. 3929.
Boltasu, G. 5572.
Bolton, F.J. 7358.
Bolvig, L. 2267.
Boman, A. 4598.
Boman, H.G. 543, 1657, 3227,
4598, 12911.
Bona, C.A. 10159.
Bonaldo, M.C. 1672.
Bonanno, C.A. 9165.
Bonato, M.C. 9778.
Bonato, M.C.M. 9779.
Bonazza, M. 6786.
Bonch-Osmolovskaya, E.A. 12734.
Bond, G. 9435.
Bond, G.B. 10564.
Bond, M. 10050.
Bond, M.D. 11156.
Bondarchuk, A.A. 12574, 12575.
Bondarenko, V.I. 13512.
Bondarev, G.N. 3912.
Bonde, G.J. 8287.
Bondell, S.P. 2007.
Bondi, A. 13330.
Bondi, M.. 12855.
Bone, M. 4488.
Bonen, L. 5725.
Boner, G. 3458.
Bongaerts, G.P.A. 3047, 5121.
Bongetta, R. 7006.
Bonifas, V. 504.
Bonifazi, F. 13095.
Bonina, F. 8838, 8852.
Bonina, L. 2575.
Bonino, S. 6793.
Bonish, P.M. 4641.
Bonn, W.G. 9404.
Bonnaire, Y. 11751.
Bonnal, F. 8001.
Bonnaveiro, N. 6630, 13261.
Bonnaz, G. 3773.
Bonner, D.P. 292, 2975, 7727,
7738, 7820.
Bonner, M.C. 4198.
Bonnette, J. 9288.
Bonomini, V. 5233.
Bonura, T. 6615.
Bonventre, P.F. 1828, 6138,
10408, 11569, 11593.
Boogaerts, M.A. 10090.
Boogerd, F.C. 6552.
Bookbinder, M.G. 7297.
Boon, J.J. 4075.
Boon, M. 3385.
Boon, R.J. 4563, 10658.
Boonkerd, N. 7333.
Boos, W. 8601, 8638.
Booth, A.L. 9149.

Booth, C.M. 7055.
Booth, G.D. 626.
Booth, I.R. 57, 6491, 9594.
Booth, R. 9595.
Booth, S.J. 11429.
Boothby, J.T. 1843, 8975.
Bootman, J.L. 10505.
Bopaiah, B.M. 4635.
Bopp, W.J. 2195.
Borbas, E. 6944.
Bordas, C. 11445, 12049.
Bordas, J. 8588.
Bordeleau, L.M. 2451, 3664, 10886, 13480.
Borden, D.D. 1967.
Borderon, J.-C. 6238.
Borderon, J.C. 6232.
Bordin, F. 11456.
Borges, A.C. 5033.
Borghi, V. 12855.
Borhami, B.E. 3555.
Borisevich, G.P. 12297.
Borisov, A.Yu. 5686.
Borisov, V.A. 13008, 13049.
Borisov, V.G. 1041.
Borisova E.V. 12942.
Bork, K. 1947.
Borkar, S.G. 10738.
Borkowsky, W. 1925, 7122.
Borland, N.A. 3590.
Borland, R. 1117.
Bornarel, P. 4509, 13376.
Bornstein, N. 745, 6988, 9086, 10140, 11721, 11752.
Boro, B.R. 3091, 3618.
Boros, G. 1089.
Borovich, B. 13221.
Borovicka, A. 10663.
Borovyagin V.L. 145.
Borowski, J. 7947.
Borpuzari, D. 3091.
Borregaard, N. 594.
Borrie-Hume, C.J. 4448, 10390.
Borriello, S.P. 2517, 8887.
Borriss, R. 12602.
Bors, J. 13502.
Borsa, F. 9939.
Borssen, E. 5279.
Borst, R.J. 8208.
Bortelova, J. 10663.
Bortnichuk, V.A. 12273.
Bortolotti, U. 3476.
Bortolussi, R. 627, 6133, 6865.
Bory, J. 226.
Bosc, M.J. 1081.
Bosch, C. 3360.
Bosch, E.P. 1822.
Bosch, L. 3897, 3898, 5727, 5728, 8705, 11088.
Boschelli, F. 4097.
Boschitsch, E. 9070.
Bosco, T. 6780.
Bosco, U. 10345.
Bose, B. 6411.
Bose, R. 7600.
Bose, S.K. 22, 7600.
Boseley, P. 12745.
Bosenbaum, B. 3268.
Bosisio, R.G. 8260.
Bosmansky, K. 8048.
Bosshard, R. 496.
Bosshard, S. 10140.
Bossi, E. 6263.
Bossi, L. 2883.
Bosson, J. 3634.
Bostock, A.D. 8058.
Bostwick, D.G. 11773.
Bosu, W.T.K. 2333.
Boswick, J.A.,Jr. 689.
Botchan, M. 7695.
Botelho, R.J. 3552.
Botez, D. 4430.
Both-Patoir, H.C. 10278.
Both, G. 3578.
Botha, C. 8489.
Botha, P.L. 401.
Bothe, H. 5782.
Bothma, T. 4986, 5004.
Botsford, J.L. 1529.
Botsmanov, K.V. 11728.
Botstein, D. 4115, 4117, 12792.
Bott, K. 2855.
Botta, G. 4172.
Botta, G.A. 4735, 9145.
Bottazzi, V., 2936.
Bottelli, F. 3461.
Bottino, P.J. 2448.
Bottje, W.G. 3556.
Bottoms, G.D. 3139.
Bottone, E. 2023, 11733.
Bottone, E.J. 2510, 2562, 6662.
Botvinko, I.V. 12709.
Botzenhart, K. 7390, 11142.
Botzler, R. 4408, 13175.
Boubal, J. 4575.
Bouchaudon, J. 10198.
Bouche, J.P. 5828, 5836.
Boucher, C. 5023.
Boucher, P. 5222.
Boucher, R.C. 13021.
Bouchet, J.-L. 9277.
Bouchet, P. 10621.
Bouckaert-Urban, A.M. 9413.
Boude-Chevalier, M. 13331.
Boudene, C. 3312.
Boudene, CL. 11751.
Boudouresques, G. 9177.
Boudouresques, J. 9177.
Boudreaux, D.P. 1388, 2612, 5003.
Boulard, P. 6238.
Boulden, R. 7921.
Bouletreau, P. 6281.
Bouley, G. 3312, 6075.
Boulnois, G.J. 4106.
Boulter, M.J. 9106.
Boulton, M.G. 5115.
Bounaga, D. 6406.
Bounous, G. 3212.
Bountas, S. 11739.
Bour, H. 6313.
Bourachot, B. 12767.
Bourdillon, F. 4456.
Bourg, P. 3773.
Bourgault, A.-M. 8795.
Bourgault, A.M. 3410.
Bourgeois, A.L. 2616, 3830.
Bourgeois, J.M. 10311.
Bourgeois, P. 3529.
Bourges, M. 5273.
Bourgouin, C. 11487.
Bourland, J. 13083.
Bourlioux, P. 520.
Bourne, H.R. 1813, 10072.
Bourrelly, P. 43.
Boury-Heyler, C. 10392.
Boussougant, Y. 6265.
Bouteiller, G. 3537.
Bouter, S. 6703.
Bouton, J.H. 1182, 1204.
Boutorin, A.S. 4828.
Bouvet, C. 10153.
Bouvet, E. 1043, 2182, 2205.
Bouvier, F. 5944.
Bouvier, J. 8372, 12291.
Bouvier, M. 3550.
Bouwman, L.A. 1240.
Bove, J.M. 74, 2618, 6633, 10169, 10751.
Bovier-Lapierre, G. 8468.
Bowe, E. 9150.
Bowen-Wright, C. 9250.
Bowen, J.C. 9313.
Bowen, W.H. 3640, 5284, 5446, 6958, 12042.
Bower, B.D. 9166.
Bowie, W.R. 916, 919, 4448, 4690, 6806, 9187, 10390.
Bowien, B. 8561.
Bowman, A.H. 1669.
Bowman, L.H. 1498, 7548.
Bowman, M.K. 140, 12481.
Bowra, B.J. 5619.
Bowyer, J.R. 3878, 11154.
Boxer, D.H. 4929.
Boxerbaum, B. 10418.
Boxtel, R.V. 10805.
Boyce, D.S. 5142.
Boyce, J.M. 4198, 13160.
Boyce, J.R. 8707, 9506.
Boyd, A. 8687.
Boyd, I. 3099.
Boyd, J.F. 9528.
Boyd, M. 5314.
Boyd, W.P. 11577.
Boyen, A. 12795.
Boyer, C. 11561.
Boyer, G. 6878.
Boyer, J.M. 8286.
Boyer, K.M. 4427.
Boyer, M. 5408.
Boykin, E. 11727.
Boykins, R.A. 4261.
Boylan, C.G. 10276.
Boyle, C.D. 5531.
Boyle, F.T. 13362.
Boyles, R. 787.
Bozeman, F. 1135.
Bozeman, F.M. 2244.
Braam, F. 8184.
Bracero, L. 9150.
Brachet, E. 477, 951.
Brachman, P.S. 10512.
Brackertz, D. 7170.
Brackett, D.J. 8881, 11962.
Bracquart, P. 1275.
Bradaczek, H. 10960, 12705, 12706.
Bradbury, J.M. 3612.
Bradford, H.B.,Jr. 2574.
Bradford, L. 11862.
Bradfute, O.E. 9398.
Bradlaw, J.A. 12226.
Bradley, D.E. 4986, 5004, 5875, 9891, 11337, 12844.
Bradley, J.E. 6757.
Bradley, P.J. 10316.
Bradley, P.P. 6376, 13022.
Bradley, R.M. 480.
Bradley, S. 9291.
Bradley, S.G. 6748, 13026.
Bradner, W.T. 7724, 9983.
Bradnock, G. 736, 737.
Bradshaw, A.D. 8176.
Bradshaw, D. 3470.
Bradshaw, J.G. 5160, 7883.
Bradshaw, R.A. 4867.
Bradsher, R.W. 8051, 11941.
Brady, M.T. 10425.
Braga, P.C. 805.
Bragg, P.D. 1554, 6506.
Bragina, E.E. 5347.
Braidy, J. 2238.
Braipson-Thiry, J. 1649.
Brake, S.R. 3787.
Brakenhoff, G.J. 12221.
Bramato, C. 3030, 9236.
Brambilla, R. 7747.
Bramble, M.G. 7108.
Bramiley, A.J. 10683.
Bramley, A.J. 3621, 5479, 12051.
Bramley, P.M. 9613.
Brammer, K.W. 3046.
Brana, A.F. 1403.
Brana, H. 5019, 8807, 9881, 10004.
Brancato, F.P. 5345.
Branch, W.T. 11827.
Brand, M. 9137.
Brand, N. 3406.
Brand, T.F. 13046.
Brandberg, A. 3462, 3492, 5463.
Brandes, J.-W. 10365.
Brandimarte, C. 372.
Brandis, A. 5651.
Brandis, H. 11412.
Brandon, D.M. 13445.
Brandonisio, O. 6989.
Brandsma, J.A. 1599.
Brandsma, S. 10671.
Brandstetter, H.J. 5300.
Brandt, B.L. 6129.
Brandt, H. 3524.
Brandt, H.-J. 11719.
Brandt, I. 9323.
Brandt, P. 4515.
Brandt, S. 11563.
Branefors-Helander, P. 5797.
Branen, A.L. 423.
Branes, L.V. 116.
Braniff, B. 5382.
Brannan, D.K. 3832.
Brannan, J. 2769.
Brasch, M. 6742.
Brasfield, D.M. 5287.
Brasil, O.G. 7481.
Bratley, M.D. 8724.
Bratthall, D. 552, 3309.
Bratton, L. 647.
Braude, A.I. 5225, 11636.
Braude, V.I. 6964.
Brault, J. 27, 156, 4987.
Braun-Breton, C. 2887, 2888, 8696.
Braun-Bucholts, F. 3019.
Braun, E.J. 7303, 13431.
Braun, G. 5821, 12805.
Braun, K. 8645.
Braun, M. 2582, 12262.
Braun, R. 3072.
Braun, V. 88, 279, 2901, 3826, 5939.
Brauninger, W. 1947.
Braunstein, I. 3181.
Braveny, I. 6777, 9938.
Braverman, Y. 9374.
Bravo, G. 880.
Brawley, T.G. 4875, 5764, 8596.
Bray, J.D. 10554.
Brazeau, M. 10487.
Brazier, J. 10864.
Brecher, S. 1952.
Brechot, C. 9826.
Brecht, G. 9271.
Brecx, M. 4379.
Bredeche, M. 9060.
Bredt, W. 73, 3477, 9600, 9601, 10240, 10269, 10962, 11995, 13190.
Breeman, W.A.P. 1814.
Breen, C.M. 13425.
Breen, J.F. 2307.
Breese, S.S.,Jr. 6097, 8324.
Bregman, M.D.J. 7191.
Brehmer, W. 8909, 9009.
Breinl, H. 9160.
Breisach, G. 11966.
Breiter, J.R. 7015.
Breitman, M.L. 8676.
Breitschwerdt, E.B. 9356.
Bremer, E. 9590.
Bremer, H. 1400, 6583, 8457, 10998, 12544, 12546.
Bremer, K. 9416.
Bremmelgaard, A. 11396.
Bremner, D.A. 9934.
Brenchley, J.E. 4881, 5818, 8701.
Brennan, M. 11750.
Brennan, P.J. 219, 6036, 6888, 6890.
Brennan, R.O. 13209.
Brenner, D. 10913.
Brenner, D.J. 26, 27, 28, 29, 156, 1288, 1315, 2574, 2576, 3779, 4713, 6484.
Brenner, E.R. 2233.
Brenner, J. 9063.
Brenner, M.K. 3239.
Brent, R. 4843.
Brero, P. 3325.
Brestel, C. 5765.
Brestowski, J. 5242.
Bret, P. 13211.
Breton, F. 10311.
Bretsztajn, A. 9297.
Brett, E.M. 6930.
Brettle, R.P. 7013, 13087.
Brettman, L.R. 2249.
Bretzius, K.A. 10238.
Breuil, C. 2664, 12422.
Breves, G. 3558.
Brevinge, H. 3492.
Brewer, C.F. 4905.
Brewer, G.J. 7680.
Brewer, J.W. 2418, 5498.
Brewer, N.S. 13253.
Brewer, R.J. 11965.
Brewin, N. 13464.
Brewin, N.J. 2442, 2921, 2922, 5648, 12803, 12845, 12862.
Brewitt, J.M. 13412.
Brewster, D.R. 3317.
Brewster, J.M. 2722.
Brey, R.N. 5901.
Breyer, M.D. 13223.
Breyer, S. 1036, 8772.
Brezina, R. 507, 6055, 11643.
Brezinova, A. 8293.
Brezis, M. 3508.
Breznak, J.A. 5488.
Brezonik, P.L. 9462.
Brglez, I. 7465.
Briaud, M. 13323.
Briaux-Gerbaud, S. 6766.
Bricaire, F. 2111, 9171, 9297.
Bricard, C. 8045.
Brickman, F. 6085.
Bridges, B.A. 9842.
Bridges, C. 1970.
Bridges, J.R. 1134.
Bridson, E.Y. 6456.
Briem, H. 2120, 8021.
Briese, D.T. 9379.
Briggs, G.P. 575.
Brigham, K.L. 492.
Brigham, L. 13153.
Bright, T.J. 3744.
Brikmanis, E.P. 6986.
Briles, D.E. 1888, 6931, 11543, 11606.
Brill, C.B. 13216.
Brill, H. 10753.
Brill, W.J. 2808, 6417, 12119, 12731.
Brilli, R. 3491.
Brilon, C. 114, 2645.
Brimacombe, R. 1459.
Brimblecombe, P. 2604.
Brin, M. 3320.
Brinckman, F.E. 1378.
Brinkley, A.W. 2539.
Brinkley, B.R. 600.
Brinkley, T.A. 7726.
Brinkman, U.A.Th. 12727.
Brinn, J.E. 6182.
Brion, M. 859, 9305, 10472, 13268.
Briones, O. 2199.
Briskin, B.S. 2196.
Britt, D.P. 3159.
Britt, J. 2387.
Britt, M. 2015.
Britt, M.R. 1975, 10405, 11702.
Britton, P. 1810.
Britz, M.L. 9726.
Britz, T.J. 37.
Broad, D.F. 1499, 11208.
Broadbent, D.A. 8876, 11096.
Broady, K.W. 11236.
Broberger, O. 11795, 11815.
Brocas, J. 8325.
Brock, F.M. 12659.
Brock, J. 4271.
Brock, P.G. 7807.
Brock, T.D. 2492, 3736, 3738, 8244.
Brockes, J.P. 10088.
Brocklehurst, T.F. 1323.
Brockman, H.E. 7379.
Brockwell, J. 4132.
Broda, P. 5016.
Brodasky, T.F. 7726, 11
Brodeur, J.P. 11847, 13
Brodey, M.V. 11406.
Brodie, A.F. 3967.
Brodine, S. 2227.
Brodsky, B.C. 8300.
Brody, E. 9847, 9848.
Broeke, J.T. 12579.
Broes, A. 4582, 12081.
Broeshart, H. 3686.
Broete, L. 10381.
Broff, M.D. 7950.
Brogden, R.N. 3038, 417
Broggio, R. 6801, 7150.
Brolin, R.E. 10563.
Broman, R.L. 1299.
Bromel, M.C. 9338.
Bromerg, K. 4461.
Bromirska, J. 6881.
Bron, S. 7669.
Bronner, F. 12293, 1353
Bronnikov, Yu.N. 9931.
Bronson, D.M. 10626.
Bronson, R.T. 2355.
Bronsther, O. 2254.
Brook, D. 10703.
Brook, I. 673, 680, 773, 1987, 1989, 1999, 2211 5304, 6978, 8063, 8068
Brooker, B.E. 2365, 3809
Brookman, R.R. 933.
Brooks-Gunn, J. 10127.
Brooks, B.W. 8111.
Brooks, G.F. 3230.
Brooks, H.J.L. 8927.
Brooks, J.B. 2288.
Brooks, J.E. 4111.
Brooks, J.M. 3744.
Broom, A.K. 5593.
Broom, M.F. 1419.
Broome-Smith, J.K. 7420.
Broome, C.V. 630, 2010, 9662, 10098, 10115, 101
Brophy, P.F. 13181.
Brorson, J.-E. 1702, 1992.
Brosius, J. 2850.
Brossard, C. 6883, 11751.
Brossmer, R. 1532.
Broster, M.G. 9476.
Brostoff, J. 4285.
Brostrom, C.O. 5169.
Brostrom, M.A. 5169.
Broszio, M. 7091.
Brot, N. 6749, 11131.
Brothwell, E. 9041.
Broughton, R.A. 4506, 712
Broughton, W.J. 2579.
Brousse-Gaury, P. 2390.
Brousson, A. 3546.
Brousson, J. 3418.
Browe, B. 6825.
Brown, A. 1969, 6975, 9092
Brown, A.E. 2787.
Brown, A.G. 405.
Brown, A.L. 13337.
Brown, B. 10680.
Brown, C.A. 8810, 11616.
Brown, C.C. 2130.
Brown, C.M. 2498, 6432, 82
Brown, D. 10380.
Brown, D.P. 12437.
Brown, E.J. 8994, 10195, 10
Brown, E.L. 4967.
Brown, F.J. 557.
Brown, F.S. 11663.
Brown, F.V. 6794.
Brown, G.B. 8640.
Brown, G.T.H. 1118, 7273, 10667.
Brown, G.W. 577, 2277, 227
Brown, H.M. 1498, 4923.
Brown, I.I. 10946.
Brown, I.N. 11616.
Brown, J. 1887.
Brown, J.C. 6113.
Brown, J.E. 6021.
Brown, J.R.D. 7011.
Brown, K.H. 7014, 7160.
Brown, L.R. 164, 718, 724, 2662, 4082, 4378, 4755.
Brown, M.A. 4436.
Brown, M.B. 3158, 4587, 528
Brown, M.C. 479.
Brown, M.D. 1966.
Brown, M.E. 1160, 13463.
Brown, M.R. 11767.
Brown, N.C. 7621.
Brown, P. 806.
Brown, P.P. 2572.
Brown, R. 7013, 8940.
Brown, R.A. 9073.
Brown, R.B. 9291.

, R J 13338
, R R 3613
, R W 868, 1097, 7475
, S.E. 6762
, S.L 7214
, T A 7473
, V M 7621
, W 13122
, W C 9731
, W.E 8562, 8834
, W.J. 10281
e, M.K. 5384
e, S.G. 1940, 13079
ell, G.H 6507
ing, E.T. 11515
ing, H.W. 8131
ing, J.W. 3590
stein, D.G 6086
stein, M.P. 13105
stein, S. 2224
it, H.E. 4330
anova, J. 4801, 5706, 6569
ker, R.R. 5712
, A W 3394
, S.A 9857
, S.K. 7112
ner, D.A 2538, 3011
ner, O 2124
kler, J. 2781, 7231
kner, O. 10320, 11648
gger, B 5504
l, P 7031
ner, O 8013
ere, J. 10389.
enberg, P.M 2776.
ana, N 5163
fitt, W. 324, 452, 3267, 66, 5267, 9096, 11797, 11820
lik, J. 6237
m, P.J. 9671, 12577
, G.A. 2735
, M. 3418, 6878
el, J P. 13107
elle, J A 10308
ham, R C 6100
, V 8242
sholz, R A 2731
ner, Ch 11903
ner, F 8890
ner, F P 11823
ner, H 1496, 2074, 10272, 328, 10340
ner, S 504
od, M 11715
on, M 1417, 11023.
ton, J. 2946
ton, W.A T 1113
chi, M 1473, 4836, 8468, 11112
sdeilins, M 1660
se, L M 7591
sick, D J 56
silow, W.S.A. 11257, 12638
ssieux, J. 9288
ton, C.J. 11179, 11261
tzkus, A. 13246
ynesteyn, A 9642
ziere, J 7044
an, C S 2233, 3473
an, E M 908
an, F L 11932
an, L E 382, 1902, 4669, 823, 11594
an, P J 6320
ant, M.P. 115, 370, 2637, 4760
ant, R.J. 4747, 6407
ceson, A. 10292
ceson, A.D.M. 4315
mer, H.D. 12729
son, R.W 3608
osko, W.J 11658
'Lock, J.D 8643
abse, E. 9140.
ades, P. 7074
ard, J.E. 7175
bel, H.C. 11569
c, H. 4003, 5710
ccheri, G. 5048
cci, G. 4410.
cci, T.J. 10318
ch, J.K. 1635, 8714
chan, J.A. 1164
chanan-Smith, J.G. 12659
chanan-Wollaston, V. 4794
chanan, A.G. 6192
chanan, B.B 144
chanan, J.D. 2069
chanan, T.B 8900
chanan, T.M 1876, 3177, 6058
chanan, W. 2355
chbender, W. 11911
cher, C. 9517
cher, T. 12552, 12814
chheim, C. 6356.
chner, A. 6956
chowicz, I. 8917, 8918
Buchsbaum, H.J 11808
Buchwald, M. 8676
Buck, A.S 3506
Buck, C E. 5142
Buck, G.A. 1640, 1642, 1661
Buck, G.E 2505, 3822, 6779
Buck, J.D. 12245
Buck, M. 5713, 7508, 12533
Buckel, W 2806
Buckler, E 5499
Buckles, A M 3273
Buckley, D E 5760
Buckley, J A 10427
Buckley, J.T 1852, 1853, 4233, 9741
Buckwold, F.J 1787
Bucourt, R 5058
Bucy, J G. 9159
Budai, J 9031
Budanova, L.I 1771
Budanova, N.P 6893
Budde, E 8902
Budil, D.E 140, 12481
Budnick, L.D 3553
Budzikiewicz, H. 212, 6561, 6773
Bueding, E. 12080
Buege, J.A. 7726
Buehler M. 11199
Buelow, S. 10382
Bueltmann, B 7212
Buening-Pfaue, H. 5994
Bueno, A.C 11383
Buergelt, E. 9828
Buerger, E 3962
Buerger, H 4432
Bueshing, W.J 13024
Bugaichuk, Yu.D. 12310
Bugnowski, H. 4546, 6350
Bugni, G.V 183
Bui-Xuan, B 6281
Buisson, D.H. 7294
Buixuan, B 11721
Bukhari, A.I. 8721
Bukharovich, M N 3272
Bukhteeva, E R 10362
Bulakh, P M. 13089
Bulawa, C E 1284
Bulder, C J E.A 7471
Bulgakova, V.G. 10940
Bulgin, M.S 6367
Bulkacz, J 8595
Bull, A T 2465, 9657, 13508
Bull, C 3954, 3966
Bull, L.S 3563
Bull, R.C 2371
Bulla, L.A.,Jr. 5150, 5729
Bullard, J C 5562
Bullen, J.J. 10459
Bulling, E 4584
Bullock, D.W 8053
Bullock, L.K 7370
Bullock, R 6242
Bullock, W E 1925, 3177, 11668
Bult, H 493
Bunch, K J 1898
Buncher, C R 10408
Bundtzen, R 12879
Bundule, M A 11116
Bundulis, Yu P 11116
Bunin, K V 1847, 7981
Bunker, G 6558
Bunn, P A. 5375
Buntain, B 572
Bunyaratvej, S 5318
Bunyawongwiroj, P 5318
Burans, J P 965
Buratta, A. 5354
Buravkov, S V 12978
Burchardt, P 4432
Burckhardt, J 4802
Burckhardt, J.J 6103
Burd, L.C 4427
Burdarov, S S 6688
Burdash, N.M 1306
Burdett, I D.J 1338, 1362
Burdett, V 5943
Burdin, J.C. 3417
Burdon, D.W 668, 2037, 3263, 3351, 8889, 10606, 11493, 12985
Burdyga, F.A. 9202
Burdziej, A.P 9814
Burdzy, G.J. 248
Bure, A. 6269, 9297
Bureau, M 4533
Buresh, R.J 9457
Burgdorfer, W 1004, 2204, 9383, 12020
Burge, S. 797
Burgen, A.S.V. 5748, 7553
Burger, K.J. 9887
Burger, P.J 2125
Burgers, P.M.J 8674
Burges, H.D 12082, 12087
Burgess, G.W. 7237.
Burgess, P.J. 9286
Burgett, F.G. 6951
Burggraaf, A.J.P. 2502
Burguillo, F.J. 11153
Burjanova, B. 750
Burkardt, H.J 1676
Burkardt, H.J. 4869, 9864, 9875.
Burke, D.C 12745
Burke, J.B. 1108.
Burke, J P 1022, 2078, 10405
Burke, J S 11773
Burke, K A 2787
Burke, L P 5339
Burke, M 7692
Burke, V 2551, 3120, 10071
Burke, W.F 3990
Burke, W.F ,Jr. 1687, 5873, 8614, 12780
Burkhart, C G. 3289, 6943
Burkhart, M.J. 7171
Burma, D.P 8508
Burmeister, J.A. 6915
Burnea, D 1980
Burnett, J P 4983
Burnett, J.W. 11663
Burney, C.M. 6433
Burnham, J.C. 3289
Burnie, A.G 1113.
Burns, P. 5600
Burns, R.O. 1623, 12746
Burns, T.A.,Jr. 5528
Burova, L.A 4270, 8937
Burova, S.A 9303
Burr, T.J 9410, 9508, 13432
Burrell, M.M. 1147
Burris, R.H 1548, 4927, 9787
Burrow, C.R. 8078
Burrows, G.E. 1836
Burrows, M.R. 6339
Burt, D.G. 5090, 5092
Burton-Kee, E.J. 7929
Burton, J.C. 1197.
Burton, J.L. 3282
Burton, K.A. 7448, 7451
Burton, N.F. 13508
Burton, O.M 946.
Burton, P 11741
Burton, Z.F 4005
Buryanov, Ya.I. 12512
Burzynski, N.J. 1967
Busby, S 4981, 5842
Busch, D A. 1937
Busch, E L 2504
Busch, S 3642
Busdosh, M 10734
Bush, B.M 5321
Bush, J 9983
Bush, J A. 7724
Bush, K 292, 7727, 7738, 9913
Bush, M 7913
Bush, R.S. 12416
Bushby, H.V.A 1227, 2472, 7450
Bushera, B 4377
Bushuev, V.N 2707, 4815, 11113
Bushueva, T I 13066
Busiello, V 8441, 8463
Busolo, F 4667
Busquet, G. 7891
Bussayanond, A 2038, 9144
Busse, F W 3578
Busse, M 11449
Bussieras, J 1072
Bussiere, J L 4462, 5410
Busta, F F 9654
Bustamante, I 13404
Bustamante, P L 7851
Busuttil, A 9130
Busuttil, R W 7188
Butera, C 13096
Butkevich, O.M 981
Butler, E J 4236
Butler, G 3568
Butler, G J 10760
Butler, J.E 2371
Butler, J.J 827
Butler, Jr V P 9653
Butler, K.W 8364
Butler, L.O 6570
Butler, R 7012
Butler, T 6112, 11896
Butsolich, E 10727
Button, D K 2478
Buttram, V 10284
Butzler, J -P 389
Butzler, J.P 5073, 5130, 5441, 6280, 7155, 8074, 8802
Buu, A. 5721
Buxser, S. 1828
Buxton, R.S 1615
Buxton, T B 3153
Buxton,D 5262
Buyanovsky, G. 427
Buys, L.F.M. 11580
Buysse, J.M. 11277
Buzzetti, F. 9949
Byars, T.D. 2379
Byasmuni, L. 8508.
Bycroft, B.W 7754
Byers, B.R 2817, 3849, 8616
Byers, F.M. 12040
Bygdeman, S. 33, 36, 2138, 3058, 12743.
Bykov, A.S. 3233.
Byng, G.S. 2746.
Byrd, L.H 2296
Byrd, R.A 8364
Byrne, G.I 4320
Byrne, K.M. 8652, 11347.
Byrne, M. 7013.
Byrne, M.D. 1794, 1861.
Byrom, N.P 6151.
Bystedt, H. 10499, 11893
Byzov, B A. 13471

Caballero, F.J. 188
Cabanas-Cortes, E.M 11060
Cabane, J. 486
Cabane, K. 264.
Cabelli, V.J. 1683, 6198, 7988, 11761
Cabezudo, J. 880
Cabrer, B. 7074
Cabrera-Juarez, E. 11047, 11060
Cacace, M.L. 9996.
Caccamese, S. 1767, 4216
Cachera, J.P. 13335
Cacho, J. 8036
Cadmus, M.C. 7448, 7451.
Cadoz, M. 2110, 5060, 9167, 11838, 11841
Cady, J. 9129
Caeraeusu, F 3780
Caffe, I. 7957
Cafferkey, M. 5288.
Cafferkey, M.C 7103.
Caggese, L. 5353.
Caglar, M. 10548
Cagle, G. 5397
Cagle, G.D 1309, 4676, 5908.
Cagnani, C.E. 748.
Cahall, D.L. 8794
Cahan, D 3181
Cahen, D 6565
Cai, R.S. 12858.
Cai, R.Z. 12819.
Cai, Y.-A 12259
Cai, Y.-G 12239
Caillaux, M. 9305, 10472
Cain, B D 7628
Cainzos Fernandez, M. 5396
Cairns, A. 8183
Cairns, J.,Jr. 2486
Calam, C T 8467
Calandra, G B. 992, 2537
Calandruccio, J.H. 3837
Calcott, P.H. 1433, 1465, 12688, 12810.
Caldari, R 10355
Calder, J A. 99
Calder, M.A 802
Calderwood, S.B. 9951
Caldes, G. 6933.
Caldini, G 11464
Caldwell, B.A 1169, 2643, 9432
Caldwell, D.E 3832, 9426
Caldwell, D.R. 12218
Caldwell, H D. 13036
Caldwell, J 3254
Caldwell, J B 199
Calendar, R 4116
Calenoff, E 10331
Calguneri, M 4289
Calhoon, D.A 6678
Calhoun, D H 5834, 5850
Calia, F M 7467
Caliando, J 13232
Calin, A. 11807
Callaghan, J.C 13348
Callaham, D 12319
Callaham, D.A 2445
Callahan, W S 873
Callanan, D.L. 10542
Callely, A.G 8426
Callerio, C 1346
Callerio, D 1346
Callow, L.L. 9047
Calnek, B.W. 7397
Calonghi, G.F 5361
Calos, M.P 11267, 11270
Calsow, P 12045
Calubiran, O V 7083
Calvanico, N.J. 3175
Calvert, C.A. 6362.
Calvert, K. 2505
Calvert, T.J 12688
Calvo, C. 4987
Calvo, J.M 252, 6702.
Camacho, M.A.M 13343
Camara, I.S. 2294
Camarena, L.F. 3397.
Camargo, E.E. 7377, 12715.
Camargos, M.D.M. 11541, 11542.
Cambre, R.C. 8114
Cameron, C.M. 519, 7958
Cameron, D G. 8380
Cameron, F.J. 2489
Cameron, G.L. 9935
Cameron, I.L. 5476
Cameron, J.L. 2256, 10502, 12001, 13309.
Camguilhem, R. 9322.
Cammack, R. 3934, 9709, 11115.
Cammann, U 7189.
Cammarota, H.E. 6300.
Cammen, L. 12179.
Campa, M. 4314, 10220.
Campani, M. 10593
Campanini, M. 1263.
Campbell, A. 8600.
Campbell, A.M. 4114.
Campbell, C.A. 10791, 13474
Campbell, C.E. 9185.
Campbell, G.A. 1064
Campbell, H.D. 4902
Campbell, I. 9054.
Campbell, I.A. 1991, 10341
Campbell, J. 5484
Campbell, L.K. 5634, 11230.
Campbell, L.L. 11556
Campbell, M.A. 11767.
Campbell, P.I. 9807.
Campbell, S. 7200.
Campbell, S.C. 13121.
Campelli, A. 662, 11886.
Campello, C. 5434.
Camper, N.D. 8425.
Campi, R. 734.
Campillo-Campbell, A.D. 8600.
Campion, J. 2003.
Campo, J.M. 2128.
Campos, J.M. 383, 5366.
Campos, M. 9033
Campuzano, S. 3913.
Camus, E 1912.
Canale-Parola, E. 169, 2723, 8245, 12033
Canawati, H.N 845.
Cancilla, P.A 1822.
Candel, V.A. 11948
Candell-Riera, J 3447
Candy, D.C.A. 12985
Canepari, P. 4172.
Canessa, A. 9226.
Canfield, T.M. 2218.
Cangelosi, G. 9889.
Canillac, N 7630.
Cannat, A 8985
Cannell, G H 2464
Cannell, J.S. 719
Cannon, F.C. 2475, 4794
Cannon, G.C. 4772.
Cannon, M.C 4794.
Cano, M. 5543, 5544.
Cant, E.J 10683
Cantekin, E.I. 787, 13129.
Canteros de Echenique, B.I 13439
Cantineau, A. 13268
Canton, P 3551, 6268, 9304
Cantoni, C. 132, 5128, 8224, 8430, 9343, 11135
Cantor, C.R. 7512, 11068, 11081
Cantor, E.D. 4512.
Cantore, W.A. 6555
Cantrell, J.L. 11239
Cantwell, A.R. 2243
Cantwell, A.R.,Jr. 987, 7174, 9244, 10295, 11951
Cantwell, B. 4492.
Canuel, C 4399, 10313
Caparosa, R. 11748.
Capasso, V 10465
Capellano, A. 1176, 10766.
Capiau, C. 11478.
Capitolo, M.T 813
Caplan, E.S. 9112, 11880
Caplan, S.R. 6565.
Capozzi, A. 11456
Cappelletti, L. 5042
Caprio, G. 4304.
Caprioli, A. 4230, 9996, 12982.
Capron, J.P. 7009
Caputo, G. 256.
Caputo, O. 8836.
Caputo, R.A 1764
Caputy, G.G 5621.
Car, V 10617
Caradonna, S.J. 7605
Caralps, A. 10413.
Caravano, R. 7213, 11565, 11595
Carbon, C. 6135, 6265.
Carbone, M. 2575.
Cardarelli, M. 1511
Cardenas, A.C. 2265
Cardenas, J. 188

Careddu, P. 6991
Carenfelt, C. 764
Carere, A. 1583.
Carette, M.-F. 13138.
Carey, A.M. 4267, 6513.
Cargill, C.F. 1950, 5427, 6286
Carini, M. 6785, 7032, 10393
Carlassare, F. 11456.
Carlen, A. 552, 2608, 9014.
Carles, P. 13155.
Carlet, J. 1976.
Carleton, S. 11046
Carleton, S.M. 5869
Carli, A. 1829, 8045.
Carlier, B. 798.
Carlier, C. 8727, 10012, 11329.
Carlioz, H. 999
Carlo, D.J. 4073, 5798.
Carlone, G.M. 12451.
Carlone, N.A. 8791, 10455
Carlos, J.P 9080.
Carlsen, W.B. 2341
Carlson, A.J. Jr. 640.
Carlson, B.L 3785.
Carlson, C.A. 7547, 7592
Carlson, C.W. 2327.
Carlson, J.R. 2761, 3484, 8794.
Carlson, K.M. 2864.
Carlson, R.E. 4393.
Carlson, R.R 9535.
Carlson, R.W 3441
Carlsson, B. 6053.
Carlsson, H.E. 8954.
Carlsson, J. 6843, 11206, 12947
Carman, G.M. 12636.
Carmel, A. 11167
Carmeli, C. 3876.
Carmichael, L.E. 86, 4264, 5189, 12062.
Carmichael, T.R. 2284, 9276.
Carmine, A. 3038, 4171
Carmody, M. 2315.
Carne, H.R. 10066
Carney, D.N. 9245.
Carniti, G. 3036, 4188.
Caro, L. 2935, 9874
Caroit, M. 3534, 9222.
Caron, D.A. 6513.
Carpenter, A.B. 6101.
Carpenter, C.C.J. 11778.
Carpenter, G. 1107.
Carpenter, T.E. 6122.
Carpousis, A.J. 7647.
Carr, D.L. 2556.
Carrasco, A. 2590
Carreira, J.V. 781.
Carreira, L.A. 2688
Carrera, M. 10413, 13304
Carreri, V. 5354
Carret, G. 7767.
Carrico, C.J. 10534.
Carril, M.P. 781.
Carrillo, C. 1010.
Carrizosa, J. 994.
Carroad, P.A. 5745.
Carroll, E.J. 3156.
Carroll, R.J. 10537, 10587.
Carroll, S.F. 1780, 1789, 1792, 4228
Carroll, W.L. 3491, 6185.
Carsin, M. 13279.
Carski, T.R. 1299.
Carson, D.A. 11137.
Carson, M. 367, 9933, 10582, 10583.
Carstensen, H.E. 5435.
Carter, E.J. 8101.
Carter, G.P. 26, 28, 29.
Carter, G.R. 3165, 10274, 11529.
Carter, J.B. 6189.
Carter, M.J. 7124.
Carter, P.B. 5237, 11588.
Carthew, P. 1060.
Cartwright, K.A.V. 13176.
Carty, F. 2070.
Caruel, N. 5405.
Carusillo, M.G. 1893.
Caruthers, M.H. 11293.
Carvalho, A.E. 820.
Carvallo, A. 9240.
Carvell, J.E. 3439.
Caryer, K. 4751.
Casabe, J.H. 2298.
Casabuona, F. 9949.
Casadaban, M.J. 8610, 11093.
Casadio, R. 9670.
Casal, H.L. 8380.
Casal, J. 3404, 9999.
Casal, M. 6787, 11471.
Casali, R.E. 12003.
Casamassimo, P.S. 13094.
Casasola, J. 9859.
Casazza, A.M. 7744.
Casazza, L.J. 9223.
Casciani, C.U. 5247
Casesnoves, J.V.F. 11948.
Casewell, M. 4134.
Casewell, M.W. 10021
Casey, G.P. 5.
Casey, J. 4321
Casey, J.I 2309
Casey, R.P. 11143.
Cashner, F. 593.
Casida, L.E.,Jr. 9537
Casillas, E. 387.
Casimir, M.T. 9104.
Casin, I. 11857.
Caskey, C.T. 11078.
Caskey, W.H. 110.
Caslavska, J. 8690
Casolari, A. 117, 1263.
Casper, E.A. 49, 1004, 2204, 9572.
Cassaigne, A. 4726.
Cassan, M. 8664
Casse-Delbart, F. 5510.
Cassell, G.H 3158, 4247, 4587, 5287, 6104, 9601, 10239, 10271, 10541, 10689 10695.
Cassells, J. 1084
Casselman, M.E. 1159
Cassels-Brown, G. 1936.
Cassidy, J.T. 768
Cassidy, P.J. 8746.
Cassie, R. 5384.
Cassileth, P.A. 6271.
Cassim, J.Y. 5692.
Cassinelli, G. 7744, 7774.
Cassini, S.T.A. 5033
Cassman, K.G. 104, 105, 5535, 8403, 8405.
Cassuto, E. 8671.
Cassuto, J. 487.
Castaigne, S. 10174.
Castaldi, C.R. 13094
Castaneda, J.M.I. 3397.
Castaneda, Y.S. 3381, 11809.
Castaner, A. 13343
Castano, F.L. 2255, 7975, 9089.
Castell, C. 4652
Castell, J.V. 1451.
Castellani Pastoris, M. 12249.
Castellanos, T. 2655
Castello, D. 3325
Castellvi, J. 4746, 5543, 5544
Castelvetri, F. 117.
Castenholz, R.W. 8231.
Casteran, C. 6878
Casterline, J.L.,Jr. 12226.
Castignetti, D. 4639, 6416, 7873, 12421, 12425
Castilla, A.M. 926.
Castillo, L.E. 1033
Castleman, W. 7258.
Castric, K.F. 2844.
Castric, P.A. 2844
Castro, L.A. 9101.
Castro, M. 3474.
Castro, R.F. 10664.
Castroviejo, M. 6633
Catalani, C. 6786.
Catalanotti, P. 2745.
Catanzaro, A. 1013, 6191.
Cate, T.R. 3243, 10927.
Catlin, F.I. 9176.
Cato, E.P. 8319.
Catrysse, N.H. 3568
Cattaneo, O. 8791.
Cattaneo, P. 132.
Cattaneo, U. 7090
Catteau, M. 9923.
Cattel, L. 8836
Cattell, W.R. 2073.
Catterall, R.D. 10414.
Catto-Smith, A.G 6190
Caturla Such, J. 11960.
Caufield, P.W. 1962, 4550, 7843.
Caugant, D.A. 4100
Caughey, P.A. 284.
Caughey, W.S. 5688.
Caul, E. 6115.
Caulfield, M.P. 1551.
Cavagna, G. 7006.
Cavalieri, S. 13142.
Cavalieri, S.J. 6864.
Cavallo. A.M. 6786, 10393.
Cavallo, R. 12941.
Cavallo, T. 3224.
Cavanagh, D. 12977.
Cavanagh, N.P.C. 6930.
Cavanagh, P. 3322.
Cavard, D. 297, 4161, 4722, 8731, 11505.
Cavari, B.Z. 2649.
Cave, M.D. 5879.
Cavellier, J.-F. 1768.
Cavellier, J.F. 434.
Cavenar, J.O.,Jr. 7200.
Caveney, N.T. 9372.
Caviedes, M.A. 5881.
Cavin, R. 11749.
Cavrini, V. 8839.
Cawley, D.B. 1827.
Cawson, R.A. 3451.
Cazac, J.L. 10027.
Ceccarelli, A. 13171.
Ceccarelli, G. 7091.
Cejka, K. 2910.
Celis, R.T.F. 12809.
Cellona, R.V. 694.
Cenatiempo, Y. 6749, 11131.
Cenci, G. 11443, 11464.
Cenova, S. 421.
Cenova, Z. 421.
Cerami, A. 494.
Cerceau, C 11394.
Cercel, M. 5572.
Cereda, M.P. 7481.
Cereghini, S. 12767.
Ceriani, A. 9953.
Cerisier, Y. 6125.
Cerna, E. 7898
Cerna, J. 8293.
Cernich, M.S. 1785
Cerniglia, C.E. 13064.
Cerra, F.B. 10549.
Cerullo, L.J. 5339.
Cervantes, L. 4973.
Cervelli, S. 9455.
Cervenansky, C. 12412.
Cervenka, J. 11295.
Cesareni, G. 8730.
Cevenini, R. 508, 2143, 7049
Cevikbas, A. 7972.
Ch'Ien, L.T. 2261.
Chabal, J. 3461.
Chabbert, Y.A. 2937, 5915.
Chaboud, P.A. 13510.
Chaby, R. 2889.
Chaconas, G. 8721.
Chadgrah, F. 2199.
Chadwick, D.P. 1135, 2244
Chadwick, J.S. 3192, 10234.
Chadwick, P. 3394.
Chaffee, R.G. 5345.
Chagas, S.D. 7342.
Chagnon, A. 6197.
Chahal, V.P.S. 1185.
Chaicumpa, W. 11612, 11771.
Chaieb, J.A. 13345.
Chaigneau, H. 5914.
Chaika, V.E. 13455.
Chaiken, I.M. 4892.
Chaikovskaya, S.M. 7414
Chain, B.M. 7948.
Chain, R.K. 4781.
Chaires, J.B. 5715, 6589, 12532.
Chak, W. 8619.
Chakrabarti, K. 5131.
Chakrabarti, P. 5925.
Chakrabarti, S. 2669.
Chakrabarty, A.K. 3091, 3618, 3619.
Chakrabarty, A.M. 5884, 7453, 9664, 12368.
Chakrabarty, A.N. 2880, 3107.
Chakrabarty, S.L. 7661.
Chakraborty, A. 417.
Chakraborty, B.N. 4636.
Chakraborty, J. 5317.
Chakraborty, M.K, 4086.
Chakraborty, P. 3107.
Chakraburtty, K. 9685.
Chakravarti, A. 3069.
Chakravarti, B.P. 13428.
Chakravorty, M. 11432.
Chalapathy, K. 7322.
Chales, G. 3520.
Chalifoux, L.V. 10686
Chalker, D.K. 3283.
Challacombe, D.N. 832.
Chalmers, G.A. 3623.
Chalmers, W.S.K. 6359.
Chaloupka, J. 8549.
Chalovsky, V.A. 3430.
Chalupa, W. 9321.
Chalut, J. 2043.
Chalvet, H. 9030.
Chalvignac, M.A. 10215.
Chamba, J.F. 3773.
Chamberlain, J.B. 1852.
Chamberlin, M.J. 159, 3892.
Chambers, R.T. 1993.
Chambless, L.E. 10121.
Chambon, J. 6776, 13237.
Chamorovsky, S.K. 4790.
Champion, A.B. 2876.
Champsaur, H. 7201.
Chan Pin Jie, J.C. 10227.
Chan, E.C.S. 6955.
Chan, F.T.H. 2507.
Chan, G.F.Q. 7854.
Chan, J.A. 8652, 11347.
Chan, L. 3206, 4406.
Chan, R. 2273.
Chan, S.J. 6768.
Chan, W.W.-C. 4909, 4910.
Chance, B. 185, 1425, 2689, 2753, 6519, 12488.
Chander, H. 1627, 4942, 4953.
Chandiramani, N.K. 5599.
Chandler, D.K.F. 10273.
Chandler, D.S. 2459, 4632.
Chandler, J.B.,Jr. 3356.
Chandler, M. 2935, 5035, 9874.
Chandler, M.R. 3717, 7313, 8180.
Chandler, R.L. 1059.
Chandra, A.K. 8187.
Chandra, A.L. 8424, 12599.
Chandra, M. 2172.
Chandra, S. 3704.
Chandramohan, D. 10815.
Chandrasekar, D. 5335.
Chandrasekaran, M. 3562.
Chandrasekaran, S. 34.
Chandrika, T. 2044.
Chaney, M.O. 7639, 11355.
Chang, A.R. 2058.
Chang, C. 5895.
Chang, C.C.T.-C. 4938.
Chang, F.N. 3911.
Chang, J.-J. 11056.
Chang, K.C. 756.
Chang, L-Y. E. 1270.
Chang, M.J. 3490, 5399, 7062.
Chang, S. 4798, 7666.
Chang, S.-Y. 7666.
Chang, T.-W. 6015.
Chang, Y. 6640.
Chang, Y.-Y. 12791.
Chantal, J. 4509, 4575, 8325, 13376.
Chantarakul, N. 11907.
Chanter, N. 11547.
Chao, H.S.I. 7556.
Chao, L. 3676.
Chao, S. 870.
Chaouachi, B. 7044.
Chaouat, D. 9222.
Chap, H. 11480.
Chaparas, S.D. 6041, 13042.
Chapatwala, K.D. 6844.
Chapel, T.A. 2157, 2262.
Chaplin, J.A. 7807.
Chapman-Andresen, C. 3677.
Chapman, D. 7404, 12724.
Chapman, J.S. 776, 11928.
Chapman, P.J. 288, 1410.
Chapman, V. 7675.
Chapman, W.L.,Jr. 4436.
Chapon, C. 6693, 8679, 12786.
Chappel, R.J. 11536.
Chappuis, P. 10391.
Charache, P. 7377.
Charachon, R. 13222.
Chararas, S.D. 10142.
Chardon-Loriaux, I. 281, 10002.
Chargaff, E. 4896.
Charkraborty, A.K. 6064.
Charles, D. 12886.
Charles, E.S. 8841.
Charles, J.F. 4239.
Charlet, G. 2398.
Charlick, J. 12032
Charlier, D. 1586, 12507.
Charlier, G. 6340.
Charlton, C.A.C. 9151.
Charlton, J.F.L. 2449.
Charnay, P. 9826.
Charnetzky, W.T. 5712.
Charnley, A.K. 3652.
Charoenpan, P. 2292.
Charon, J. 5244.
Charpin, N. 1605.
Charron, A. 6633.
Charron, J. 4682, 12071.
Chartier, P. 3598.
Chartrand, S.A. 2216.
Charyulu, P.B.B.N. 1173, 2435, 5511.
Chase, C.D. 6729.
Chase, H.A. 4181.
Chase, J.W. 4976.
Chase, K. 7917.
Chase, P.A. 2217.
Chasey, D. 5186.
Chaslus-Dancla, E. 7825, 13326.
Chassagnon, C. 6275.
Chasseur-Libotte, M.L. 3064.
Chasseur, M.-L. 11332.
Chassy, B.M. 1559, 12462.
Chastang, C. 4456.
Chastel, C. 10207, 10450, 10628.
Chastikova, A.V. 7829.
Chatel, M. 13279.
Chatelain, R. 2185.
Chater, K.F. 2851, 11261.
Chatkin, J.M. 13345.
Chatterjee, D.K. 5884, 7453.
Chatterjee, G.C. 8861, 12699.
Chatterjee, M. 1464.
Chatterjee, S. 7446, 11130.
Chatterjee, S.K. 131.
Chatterjee, S.N. 1301.
Chatterjee, S.P. 1464.
Chatterji, P. 3278.
Chatterton, S.A. 4354.
Chattopadhyay, A.K. 4596, 6
Chattopadhyay, B. 10458.
Chattopadhyay, U. 2639.
Chattoraj, D.K. 4997.
Chattwood, J.G. 9076.
Chaturvedi, G.C. 624.
Chaturvedi, S.C. 11461.
Chaturvedi, U.K. 1826.
Chau, P.Y. 344, 1854, 1855, 7190, 9856, 12915.
Chaube, C.K. 753.
Chauchef, S. 11644.
Chaudary, M. 5371.
Chaudhari, D.T. 5975, 6836, 6
Chaudhary, A.H. 1217.
Chaudhary, S. 7023.
Chaudhary, U. 970, 2085.
Chaudhry, G.R. 3877.
Chaudhuri, A.K.R. 9126.
Chauhan, B.S. 2434.
Chaulet, P. 13157.
Chauncey, H.H. 13097.
Chauveau, P. 2002.
Chavanet, P. 6277.
Chavez, G.M. 3367.
Chavinie, J. 3105.
Chazono, M. 12755.
Cheasty, T. 6825.
Checketts, M. 3586.
Chedid, L. 3144, 11641, 12055.
Cheeseman, C.L. 7228.
Cheetham, P.S.J. 9748.
Chegwidden, K. 5636.
Chehl, S. 13413.
Cheitlin, M.D. 11939.
Chekasina, E.V. 9914.
Chekhovskaia, T.P. 12483, 1287
Chelm, B.K. 2890.
Chelton, E.T.J. 12540.
Chemardin, M. 2429.
Chemishev, B.V. 1788.
Chemli, R. 1773.
Chen, C. 12237, 12993.
Chen, C.L. 13484.
Chen, C.W. 4988.
Chen, D.-G. 12337.
Chen, F.-D. 13183.
Chen, G.-I. 10919.
Chen, G.-X. 11161.
Chen, J.-Y. 12835.
Chen, J.M. 12840.
Chen, K.-C. 13182.
Chen, K.C.S. 7041, 11802.
Chen, L.F. 8420.
Chen, L.S. 12751.
Chen, M.-H. 13014.
Chen, M.-J. 10746.
Chen, Q.-T. 12337.
Chen, R.-H. 12993.
Chen, S.-H. 4734.
Chen, S.C. 5389.
Chen, T.-Z. 10896, 12278.
Chen, T.A. 157, 1269.
Chen, T.S.S. 5895.
Chen, W. 7190.
Chen, W.-Y. 5558, 12132.
Chen, W.J. 4392.
Chenchik, A.A. 2790.
Cheney, P.A. 10985.
Cheng, F.C.Y. 3481.
Cheng, J.K. 2553.
Cheng, K.J. 9641, 10154.
Cheng, R.-J. 13012.
Cheng, S. 5374.
Cheng, T.C. 2403, 8634.
Cheng, Y.-C. 7605.
Chenlo, C.S. 13136.
Cheong, I.K.S. 9280.
Chercheletzi, Ch. 9359.
Cherdyntseva, T.A. 12598.
Chereshkova, E.A. 561.
Chereshsky, A.Y. 8943.
Cherevach, N.V. 10954.
Chermette, R. 1072.
Chernin, L.S. 2917.
Chernobrovy, N.P. 12898.
Chernyak, A.Y. 11544.
Chernyak, B.V. 9588, 10942.
Chernysheva, M.I. 589.
Cherry, D.S. 2486.
Cherry, J.D. 3246, 13127.
Cherry, M. 10774.
Cherry, R.J. 2690.
Cherry, W.B. 61, 3779.
Cherubin, C.E. 323, 334, 1716, 3407, 3419, 8801, 9926, 11409.
Cherwonogrodzky, J.W. 467.
Cheshire, M.V. 10788.
Chesney, P.J. 4527, 7033, 10105, 10113, 10129, 10243, 11999.
Chesney, R.W. 4527, 10113.
Chesnokova, T.T. 13289.
Chesson, A. 11017.

ney, V. 3282
ukhina, G.G. 11213.
I. 1200
a, E.V. 10953, 11218.
g, E.Y. 1753.
g, P.Y.K. 8127
ng, R. 3256, 7769.
lier, J. 13261
lle, N.F 546
ora, B 9011
ora, P.C. 603
ngani, D.L 2006
parwal, R. 9027
akar, P.K. 1223
E. 5209
g, G.L. 1867
g, H.L. 118
g, L.C. 1392.
pe, S 12060
appa, L 9396
elotto, G 11454
ata, I 179, 1791, 2982, 18, 4834
akova, N.V 6584, 12543
, S. 92
nchanya, S 10527
, G 9020
ot, J.P 4503
aoka, H. 1743, 3539
na, N A 1815
oka, H 9087
, J J 2450
a, J C 11628
, J 3469, 8960
ali, G 2718, 3907, 11077
dler, J. 3783
g, W.-M 9691
g, Y. 185, 11157
n, S. 2548
naswamy, K 9806
ookoswong, N 890, 4525
apalli, K 4429
tu, C 10434
dini, R J 6355
osi, E 9697
gina, N S 981
paux, M 1593
perfield, P 7687
ps, B E 4398
afe, J 2654
on, J.-P 903, 2110
on, J.P 11838
kara, Y K 8970
riv, A J 5529
a, R.-J 10746
a, R C J 1972
vu L M 12011
zhov, S V 1759, 13073
adek, S 8496, 9677, 9688
ebusch-von der Heyden, R 7986
nel, H 2234, 2296, 11441
niel, J S 11824
, K 985, 5417
, K C 9724
, M.-I 12325
, N 869, 8091
, S N 3189
c, M.G 5688
ocat, P 1605
ock, P.B 4052, 5777
odosh, S 13120
oi, K H 6668
oi, Y J 9706
olid, R. 13338
ollet, R. 1498, 4923, 7548
omarat, M 7767
omel, J.J 10153
ong, R. 7455, 9616
oo, M.H 4480
opra, A.K. 7642
opra, I. 1734, 5948
opra, J.S. 10488
osack, A. 1961
ou, J. 8610, 11093
ou, K. 2318
ou, W.-G 1741
oudhuri, D.K. 4596, 6386
ouler, C.A. 2284
outet, P 878
ow, A.W. 2245, 3005, 5078, 5094, 11411, 11524
ow, K.C 312, 9724
ow, T.Y 8723
owdhury, F.H 8006
owdhury, M.K R. 5925
owdhury, M.N H. 2025, 2142, 2155, 2785
oy, H A. 4030
rambach, A. 4890
rane, D. 11845
rest, F.J. 10212
riste, M. 6782
risteller, J.T. 11178.
ristensen, A. 6581
ristensen, B.L 12930
Christensen, D 112, 3215, 7942
Christensen, E.A 5978
Christensen, E.E. 776
Christensen, G.D 4176, 4465
Christensen, K. 576, 7018
Christensen, K.K 929, 6222, 13006
Christensen, M.J. 3715, 5533
Christensen, O 2038, 9144
Christensen, P 576, 929, 4270, 5299, 6222, 8937, 11955, 13006
Christensen, R.D 6376, 13022
Christensen, T. 12542
Christenson, J. 12218.
Christenson, J.G 3567
Christensson, B 11583
Christiaens, F 389
Christian, J.H.B 8252, 8287, 8288, 8289, 8290, 8291, 8292, 8421, 8422, 8591, 8728, 8819, 8935, 8936, 9230, 9231, 9232, 9450, 9499
Christian, R.R. 3733
Christiansen, R O 6215.
Christiansen, S 8265
Christianson, L 631
Christianson, L C. 2003
Christiansson, A 7631
Christie, G.E. 1460, 5723, 7648
Christie, M 10972
Christie, R.J. 12044
Christol, D 12894
Christoph, H 3637
Christophersen, J. 7597
Christov, S.G 1424
Chroboczek, J 9858
Chrzanowski, T 12166
Chrzanowski, T.H 1228
Chu, F C 13266
Chua, M N C 11706
Chuang, L. 8457
Chuang, T.Y 2461, 8194
Chudina, V.I 12594
Chugh, K S 6221
Chugh, S N. 7901
Chugh, T D 970
Chugh, T D 2085, 5027, 7874, 9984
Chuink, B H 34
Chukanova, V P 4380
Chukhlebova, L.M 13515
Chullawalla, R G 3245
Chumley, F.G 11304
Chung, C H. 1525, 5755, 9788
Chung, K.L 10234
Chung, S.-T 6747
Chung, S.J 2137
Chung, S K 9982
Chung, S.S 2577, 12895, 12896
Chuplygina, E.G 206
Churchward, G 6583, 10998
Churkina, L.G 10930
Churkina, L N 12644
Chusid, M.J 5393, 7943
Chuvilskaya, N A. 10867, 12203
Cialdella, J I 7721, 11348
Ciampi, M 12752
Ciardi, C 9455
Ciccarelli, A.S 4526
Cietto, G 371
Cigna, J A 2411, 10742
Cimarusti, C M 7736, 11150
Cinco, M 3191, 3985
Cini, C 8441, 8463
Ciocnitu, V 4121
Cipolle, R.J 5294
Cipollo, K.L 9737
Cirigliano, M.C 7352
Cirillo, V.P 3825
Cirovic, M. 7815
Cisani, G 8787
Cisar, J.O 3169
Cisneros, L. 6308
Cisse, M.F 7147
Cisternas, P. 10304
Ciszuk, P 13074
Citron, D M. 11656
Ciuchini, F 10275
Ciuffi, M 6785, 6786
Civatte, J 6250, 11857
Civiletto, S.E 11873
Ciznar, I 10005
Claassen, V.P 12727
Claeesson, I. 3208, 11796
Claesson, B 3462, 3492.
Claesson, O 5137
Claflin, J.L 6931, 10225
Claiciu, I. 8939
Clampitt, R.B 2370
Clancy, P.L 8251
Clara, A. 7290
Clardy, J. 9983
Clare, A.J 7208
Clarholm, M 13505
Clark-Jones, A 4431
Clark, A.F 265, 7525
Clark, A.G 467
Clark, A.J 1612, 2685.
Clark, A.M 448
Clark, B F C 4828, 7518, 12537
Clark, B.L. 10247, 11646
Clark, C.A 8143
Clark, C.J 3688
Clark, D. 2836, 4969
Clark, G.M 1020.
Clark, I 10209
Clark, J.B 8649
Clark, J H 9319
Clark, J.M. 1560
Clark, J R 2486
Clark, K.W 2449
Clark, M W 12541
Clark, P.R 10795
Clark, R.D. 11026
Clark, R.G. 10531
Clark, S.B. 12683
Clark, S.J 9956
Clark, V 2538
Clark, V.L 5705
Clark, W.A 6457
Clark, W.B. 67
Clarke, A.M. 364, 5072
Clarke, C H. 12502, 12508
Clarke, D.J. 1383
Clarke, M.L. 12707
Clarke, P.H. 9837
Clarke, R G. 13430
Clarke, R.T.J. 13360
Clarke, S 1394
Clarkson, D.McG 8755
Clarkson, P M. 5362
Clarridge, J.E. 2225
Classen, H.-G 9295
Claus, G.W 6497
Claus, K.D. 10705
Clausen, K. 5493
Clausen, O.G 38
Clauss, G 9262.
Claverys, J.P 4968, 5017
Clavier-Rault, F. 18
Clayden, A.D 5269
Clayton, A.J 10099
Clayton, C.N 9391, 9407
Clayton, J.P 348.
Clayton, N.-L. 12769, 12770
Clayton, N.L. 2953, 2954
Cleary, M.P 10516
Cleary, P P. 9022
Cleary, T. 13293
Cleary, T.J. 3029, 3474
Cleat, P H 579
Cleaton-Jones, P.E 708
Cleeland, R 3567, 9180
Clegg, M D 13486
Clegg, R M 1451
Clegg, S. 6885
Cleland, W W. 1506, 1520, 11194.
Clement, A. 3536
Clement, J.-M 8696
Clement, R 3531
Clemente dos Santos, E. 7266
Clements, B H 3526
Clements, C J 11590
Clements, J.D. 471, 4237, 11638, 12971
Clements, M 11271
Clements, M L 1849, 6308
Clements, M.R 6266
Clemmensen, I 1373, 8539
Clendenning, W E 11661
Clerc, M 74
Clergeau, P 4168, 4444
Clerget, M 2935, 5035
Clewell, D B 5888, 5890, 11311
Clifton-Hadley, F.A 6266
Cline-Theil, W.C 5645
Clingan, P 4481
Cloppet, H 13286
Clore, G M 4839, 6659, 7553, 11117, 11180
Clos, T W D. 6090
Closs, G.L. 140, 12481
Closs, O 3240, 5195, 6106
Cloud, S S 5165
Clouse, W.J 528
Cloutier, M.J 3093
Clumeck, N 5441, 6280, 7155, 8074
Cluzel, R 5390, 7027
Clyde, W.A ,Jr 11745
Coalson, J 1970
Coalson, J.J 4390
Coan, M E 6384
Coast, E A 6646
Coates, A R.M 11545
Coates, M.E 1044, 2330
Cobb, W.B 11943
Cobbs, C.G. 7789
Cobet, B. 6479
Cobo, J.G 9089
Cocchiara, R 9008
Cocco, L. 11193.
Cochran, B.A 1029
Cocito, C. 8387, 11222
Cockburn, M A. 2632
Cockcroft, D W. 1985
Cockram, F A 5471
Cockrum, P.A 2964
Cocks, P.S. 5374
Cockson, A. 12032
Codaccioni, P 8199
Codd, A.A. 2672
Codd, G.A 5643
Codere, F. 2224
Cody, C.L 3246
Cody, H J. 10051
Coeeers, C. 4359
Coello, J. 3379
Coeloglu, A.S. 3275
Coen Beuvery, E 10246
Coequyt, S. 859
Coetzee, J.N 4986, 4998, 5004, 11337
Coetzee, W.F 5858
Coffey, E. 11862
Coffin, C.M. 13185
Coffin, R B. 6446
Cogan, D.G. 13266
Cogan, T.M. 2667, 2778
Cogdell, R.J. 8481, 12491.
Coghill, D.M. 12601
Coghlan, J.D. 10471.
Cogswell, R.L. 1386
Cohen, A. 8444, 9063
Cohen, A.M 6320
Cohen, B 6131.
Cohen, B.E. 7183
Cohen, C 1375, 1470, 4844.
Cohen, G. 1659
Cohen, G.N 12783
Cohen, H N 8757
Cohen, I.D 13143
Cohen, I T 13333
Cohen, J. 5200
Cohen, L K 3946 3947
Cohen, M I 6753
Cohen, M S 8651, 13217
Cohen, N 7181
Cohen, N.D. 4042
Cohen, P.S. 1336, 1683
Cohen, R 4657, 9632
Cohen, S 6830, 7683, 7837.
Cohen, S.G. 6271.
Cohen, S.N. 11093, 12022
Cohen, Y. 8354
Cohn, D.L 7783, 12879
Cohn, M.S 2641.
Coid, C.R 579, 3386, 3571.
Coiffier, B. 4478
Coignau, H. 389, 5073, 5130, 8802.
Coil, J.A.,Jr 3609
Coker, A.O 3409
Colbeau, A. 4897
Colberg, P.J. 12370
Colbert, N. 1976.
Cole, B.C 4316, 6887, 8281, 9023, 10541, 11573, 13037.
Cole, C 13293
Cole, C.B 1044.
Cole, C.V. 6407, 9437
Cole, G W 3274
Cole, J.A. 1550, 2875, 8367, 9764
Cole, J R ,Jr 8089
Cole, M 348
Cole, M.E 976
Cole, M.F. 3640
Cole, P 11398
Cole, P E 4774
Cole, R.J 10202
Cole, R.M 5000, 10399, 12340
Cole, S 9839
Cole, S.R 13220
Cole, S.T 5821, 6608, 9590, 11043, 12805, 12813
Cole, T.J. 2040
Coleman, B 2347, 10549
Coleman, D.C 3680, 4621, 4747, 6407, 9437
Coleman, G 6602
Coleman, M.L. 11702
Coleman, P.H. 10717
Coleman, R.H 6526
Coles, B 9352, 10878
Coles, R S ,Jr 12558
Colet, M 8718.
Colhoun, E M 11866
Coli, U. 9213
Coligan, J.E 8640.
Colimon, R 12013
Colin, M.E 11450
Colizzi, V 4314, 10220
Coll De Tuero, G. 10353
Collacott, R.A. 1032
Collart, P 2148, 3426
Collatz, E 10012.
Collee, J.G. 7013, 8940
Colleen, I. 6017
Colleen, S. 9618
Collet, B. 5227
Colletta, A.J. 5432.
Collier, A.M 11745.
Collier, J. 11866.
Collier, P W. 11762.
Collier, R.J. 4995, 5006, 7876.
Collier, R.J.. 4228.
Colling, R G 6113
Collins, B.N 8025.
Collins, C.H 5947, 6469
Collins, E.B 8270, 9621, 9656.
Collins, F.M. 1775, 3214, 4298, 6063, 6110
Collins, J.D. 7284.
Collins, M. 1167
Collins, M.A. 13426
Collins, M.D. 1557, 5598, 6545, 9544, 9545, 9672, 9802, 10880, 12250, 12251, 12252, 12253, 12691
Collins, M.T. 1296, 3189, 5554, 8115
Collins, P. 10667.
Collins, W.F. 884.
Collmann, H. 8013.
Collmer, A. 9734.
Colloc, M.L. 10450, 10628.
Colmenero, J. 2724.
Coln, D. 13319.
Colomb, J.N. 5400.
Colombini, M. 1818.
Colombo, G. 9131.
Colonna, B 8692.
Colonnello, F. 5361.
Colorni, A. 3596.
Colosimo, A. 11023
Colston, M.J. 3202, 3218.
Colucci, M. 3143, 4297, 12986.
Colver, G.B. 10458
Colvin, J.R. 8389, 9607, 10956.
Colwell, P.R. 1128.
Colwell, R.R. 1127, 1236, 1237, 1276, 1314, 5575, 6254, 6448, 8233, 8349, 8384, 12341, 12413.
Comai, L. 5837.
Coman, I. 4555, 4585.
Combepine, C. 11267.
Comber, K.R. 348, 4563, 10658.
Comer, J.B. 11942
Comer, K.M. 13374.
Comer, M.M. 12763.
Comerci, G.D. 611.
Cometta, S. 11021.
Comhaire, A. 979.
Comi, G. 8224.
Comodi, I. 10593.
Compan Montero, A. 3384.
Comstock, G.W. 6968
Comte, F. 13161.
Comtet, J.J. 4478.
Concino, M.F. 1365, 12415.
Conde, H.R. 2265
Conde, P. 11110.
Condon, E. 4657.
Condrey, R.E. 7476
Confer, A.W. 7233.
Congdon, J.E. 9218.
Congeni, B.L. 10312, 10571.
Congregado, F. 459, 12115.
Conklin, R. 5414.
Conley, F.E 8794.
Connelly, K. 11969.
Connelly, M.C. 2831.
Connelly, M.R. 12061.
Connolly, M.G. 6288.
Connor, D.H. 1930.
Connor, J.D. 11978.
Connors, M.A. 5862.
Conrad, G.L. 7086.
Conrad, R. 9428.
Conrad, R.S. 2833, 2837
Conroy, J.V. 8762.
Consolandi, S. 4304.
Constable, P.J. 13267.
Constantin, T. 10217.
Constantinescu, S. 4430.
Constantinides, A. 200
Constantinidou, A. 13530
Conte, J.J. 7944.
Content, J 8678.
Conti, M. 10405
Contopoulou, R. 2876
Contrepois, M. 11445, 12049.
Controni, G. 3490, 5399, 7062.
Converse, G.M.,III 3200
Converse, R.H. 13430.
Conway, P.L. 6322
Conyers, R.A.J. 8866
Coodley, E. 11717.
Cook, A.M. 3713, 5647, 12198.
Cook, D.W. 1273.
Cook, E.C. 2531.
Cook, F.D. 6524
Cook, F.V. 4394, 12023.
Cook, G.C. 6941.

Cook, J.A. 5162.
Cook, J C ,Jr 5811
Cook, P F 1520
Cook, R D 8879
Cook, W R 186
Cooke, E.M 3204, 3429, 3517, 4289, 10296, 11756.
Cooke, M.D. 9895
Cooksey, D.A. 12100.
Cookson, J.B. 6151.
Coolbaugh, J.C. 6254
Cooley, R.O. 13108.
Cooligan, T. 9095.
Coomans, D 11994
Coombe, R.G. 1485, 8589.
Coombes, M.A. 4517
Coombs, R.R.A. 1841.
Coombs, R.W. 12318.
Coon, C.N 10638
Cooney, C.L. 8397, 8582, 9723.
Cooney, J.J. 7868, 8833, 9643
Coonrod, J.D. 6927
Cooper, D.G. 241, 3928, 4090.
Cooper, D.M. 551, 6859.
Cooper, G.N. 592, 5230
Cooper, J. 11797
Cooper, J.E. 7281.
Cooper, K.E. 2384.
Cooper, M.C. 12862.
Cooper, M.D. 10248.
Cooper, M.H. 6957.
Cooper, M.R. 13017
Cooper, P. 11818.
Cooper, R.A. 2818, 9325
Cooperman, B.S. 8497, 12527, 12528.
Copass, M.K. 10117.
Cope, F. 10336.
Copeland, J. 796.
Copland, D. 8235.
Coppen, M.J. 10484.
Coppens, L. 937, 13130.
Coppola, J.E. 306.
Coppola, R.C. 4309
Copponi, V. 805.
Copros, M. 13355.
Coquin, Y. 2119.
Corbeil, L.B. 10266.
Corbel, M.J. 8294
Corberand, J. 9127.
Corbett, J.A. 4378.
Corbin, D. 5833.
Corbion, B. 6821, 11332.
Corbould, A. 4581, 6371, 10255, 12067
Corchuelo, M.C. 11430.
Corcoran, J.W. 9909
Corcos, A. 2119.
Cordano, A.M. 3857.
Cordeiro, F. 39.
Corder, M.P. 9218.
Cordes, L.G. 8758.
Cordesse, R. 8079.
Cordier, J.F. 11703.
Cordingley, F. 2241.
Corey, L. 5345.
Corfield, A.P. 1527.
Cork, D.J. 8573.
Cork, M.S. 6610, 11202, 12477.
Corke, C. 8004
Corke, C.T. 5513.
Corkill, J.E. 3753.
Corliss, T.L. 1683.
Cormaci, M. 1767, 4216.
Corman, L. 6624.
Cormane, R.H. 5270.
Cormenzana, A.R. 7790.
Cormier, C.J. 2491.
Cornejo, I. 1289.
Cornelis, G. 1674, 6758, 12817
Cornell, W.D. 10704.
Corner, L.A. 5458, 8271.
Corner, T.R. 430.
Cornish-Bowden, A. 1550, 9764.
Cornuejols, M.J. 9061.
Cornwall, H.A. 374.
Coronello, M. 6785.
Coroneo. K. 8976.
Coronnello, M. 6786.
Corpe, R.F. 6169.
Corrado, M.L. 323, 334, 885, 1716, 3419, 4397
Corrao, W.M. 6143.
Correa-Londono, A. 8023.
Correa-Villasenor, A. 6996.
Correa, P. 7147.
Corrias, A. 11846.
Corrin, B. 560.
Corrocher, R. 5302.
Corser, C.A. 12900
Corston, R.N. 5337.
Corstvet, R.E. 9039.
Cortelezzi, A. 6784.
Cortellazzo, S. 3143.
Cortes Cansino, J. 877
Cortes Sm, M. 13192
Cortes, L.F.L. 9273.
Cortes, M. 9373.
Cortese, D.A. 9114.
Cortet, P. 6277, 9281.
Cortijo, M. 7404.
Cortina Greus, P. 5422.
Corvazier, P. 10217.
Corwin, J.J. 7883
Corwin, R.W. 9116.
Cosio, F.G. 654, 5256.
Cossart, P. 4104, 11062, 12551.
Cossmann, M. 4912.
Cosson, G. 7151
Cosson, L. 2419.
Costa de Oliveira, R.L. 8460.
Costa, F.V. 10355.
Costa, J.A. 11851.
Costa, J.J. 1637.
Costa, J.O. 7292.
Costa, S. 2143.
Costa, T. 10094.
Costantino, P. 4612, 5864, 12860.
Coste, M 6202.
Costello, G.P. 6488.
Coster, J.F. 10410
Costerton, J.W. 397, 3114, 5621, 8223, 8360, 9491, 10154.
Costilow, R.N. 2797.
Cosyns, J.P. 798.
Coterillo, M.T.G. 7975.
Coterillo, T.G. 2255, 9089
Cotta, M.A. 3556, 7222.
Cottam, P.F. 4730.
Cottenot, F. 692.
Cotterill, S.M. 11122.
Cotton, D.E. 8185.
Cotton, N.P.J 8474.
Cotton, T.M. 6610
Cottrell, C.R. 2381.
Cottrill, C.M. 1984
Couch, R.B. 3243
Coueet, H. 891
Couetdic, G. 13028.
Couillard, D. 2494.
Coulet, M. 13273.
Coulton, J.W. 11558.
Counotte, G.H.M. 12358.
Counter, F.T. 7759.
Counts, G. 13226.
Counts, G.W. 6152, 13202.
Coup, A.F. 9279.
Couprie, B. 5491.
Couraud, F. 11498.
Courpotin, C. 6980.
Courteau, C. 855.
Courtieu, A.L. 2577, 11900, 12895, 12896.
Courty, G. 10477.
Courvalin, P. 5118, 8727, 10012, 11329, 11433.
Couse, N. 5288
Cousineau, L. 11765.
Cousins, S.W. 6871.
Cousminer, J.J. 12636
Couso, R. 5800.
Couso, R.O. 12711
Coutinho, R.A. 2176, 10410.
Couture, Y. 7234.
Couvillion, C.E. 10691.
Couvreur, J. 7990
Covarelli, E. 5356
Covarrubias, A. 4973
Covarrubias, E.A. 5368.
Covarrubias, L. 4973.
Coveney, M.F 12167
Coventry, J. 11690.
Cover, E.C. 13442.
Covey, D.F. 6591.
Cowan, D.A. 11147, 12603.
Cowan, J.A. 12826.
Cowart, R.E. 10070.
Cowie, R.L. 7059.
Cowin, R.M. 4470
Cowles, J.R. 2446
Cowlishaw, A. 9946
Cowman, A.F. 7902.
Cowman, R.A. 5679, 8854.
Cox, C.D. 5811.
Cox, C.E. 874.
Cox, D. 1813.
Cox, D.F. 1112.
Cox, G.B. 1355, 1589.
Cox, H.U. 7233.
Cox, J.C. 2681.
Cox, J.S. 4570.
Cox, M.M. 7378.
Cox, N.A. 3757.
Cox, R.A. 587, 4251.
Cox, R.S. 645.
Cox, S.K. 10290.
Coykendall, A.L. 6331.
Coyle, M.B. 10902
Coynault, C. 153, 10901.
Cozzarelli, N.R. 8610.
Cozzone, A.J. 317, 6117
Cozzone, P.J. 209.
Crabeel, M. 1586, 5865, 12507, 12795.
Craddock, P.R. 5232, 10090.
Craenen, M. 1074.
Craig, A.S. 13491.
Craig, G.G. 6957.
Craig, I.E. 7246.
Craig, J. 469
Craig, J.P. 4227, 6308.
Craig, W.A. 5966, 8763, 9284, 10619, 11406, 12879, 12907, 13123.
Craighead. J.E. 3146.
Craine, J.E. 4890.
Cralle, H.T. 5542.
Cramer, F. 3979, 5741.
Cramer, G 1996.
Crameri, R. 250, 7496, 8599.
Cramolini, G.M. 11697.
Cramp, W.A. 1368.
Crandon, I.W. 9155.
Cranfield, R. 13080.
Cranford, M.S. 3661.
Crass, B.A. 7033, 9575, 10113, 10129
Craven, D.E. 967, 6288.
Craven, J.A. 2459, 4632
Craven, N. 8773.
Craven, R.C. 5614
Craven, S.E. 8832, 11369.
Crawford, D.L. 103.
Crawford, G.E. 3330, 5306.
Crawford, I.P. 1460, 11266.
Crawford, J.A. 10660
Crawford, J.L. 12630.
Crawford, J.S. 2327.
Crawford, J.T. 3807, 5879.
Crawford, R.J.,Jr. 10994.
Crawford, R.L. 4872.
Crawford, S.A. 8268.
Cray, W.C.,Jr. 7960.
Craycraft, T.K. 10547.
Creatsas, G,K. 6216.
Crebelli, R. 1583.
Creighton, S.R. 1092.
Cremault, A. 3540.
Cremers, A.F.M. 5727.
Cremieux, A. 10027, 13261.
Cress-Morris, J.A. 8042.
Crevatin, E. 5434
Criado, A. 3271
Criado, J. 11959.
Cribbett, L.S. 5383.
Cricchio, R. 371, 2965.
Crichton, E.P. 10596.
Crichton, P.B. 40, 2570.
Crifo, C. 7599.
Cripps, R.E. 2825.
Crisologo-Visconde, B. 7083.
Cristiano, P. 13170.
Critchlow, C. 6058, 8378.
Croce, C.M. 5863.
Crocker, S.H. 13024.
Croft, D.J. 10331.
Croft, R.H. 6767.
Crofts, A.R. 3878, 11242.
Crofts, M.A. 7098.
Croitoru, M. 5246.
Croize, J. 4168.
Crokaert, F. 396, 1733, 5442, 11810, 12892
Crokaert, G. 5083.
Croker, J.R. 5369.
Croll, F.J. 3483
Cromartie, W.J. 10138.
Cromie, S. 7452, 8256.
Cronan, J.E.,Jr. 4857, 4969, 5733, 12723, 12791
Cronberg, S. 837, 3310
Cronin, C.J. 2315.
Crosa, J.H. 1680, 6879.
Crosby, M.A. 9994.
Cross, A.S. 190, 11701.
Cross, S.F. 9550.
Cross, T. 1254, 9481, 12251.
Crosse, R. 5090, 5092.
Crossley, K.B. 3442.
Croteau, R. 1579.
Croton, R.S. 10444
Crout, R.J. 126.
Crovari, P. 4317, 4351.
Crow, B. 11164.
Crow, S.D. 10336.
Crow, W. 2590.
Crowe, K.E. 3190.
Crowin, S.J. 2180.
Crowle, A.J. 10176.
Crowlesmith, I. 11092.
Crowley, C.F. 13447.
Crowther, A. 9151.
Crowther, C. 2927, 10001.
Crowther, J.S. 8873
Crucianai, M. 5163.
Crucioli, V. 4411.
Crucioll, V. 9130.
Crugnola, A. 11397.
Crumley, A.F. 11662.
Crumplin, G.C. 286.
Cruse, P. 10555.
Crush, J.R. 12152.
Cruz, A.C. 1352.
Cruz, F. 2080.
Cryz, S.J.,Jr. 10166.
Csango, P.A. 9507.
Csanyi, E. 12622.
Csatai, L. 415, 10819.
Csendes J, I. 13192.
Csik, M. 7922.
Csiszar, K. 4710.
Csonka, L.N. 12662.
Csorian, E. 9220.
Cubillos, A. 2388.
Cucchi, L. 10629.
Cuciureanu, G. 5905.
Cudlin, J. 7619.
Cudmore, M. 10380.
Cudney, N.J.C. 10879
Cudny, H. 3906, 3914.
Cuendet, A. 5331.
Cuendet, P.A. 2731.
Cuffini, A.M. 8791, 10455.
Cuhel, R.L. 1334, 1335.
Cui, P.-Y. 9503.
Cukor, G. 5990.
Culey, J.L.B. 8240.
Cullimore, D.R. 1194.
Cullinane, J.C. 2580
Cullmann, V.W. 5958.
Cullmann, W. 5941, 9962.
Culver, D.H. 10522, 10526, 10537, 10585, 10587, 10590.
Cumming, C.G. 4258, 9191, 10858.
Cumming, I. 4144.
Cummings, M. 885.
Cummins, C.S. 3818, 9331, 10265.
Cumsky, M.G. 3827, 5191, 5194.
Cundell, A.M. 3772.
Cundliffe, E. 2597, 3052, 3908, 4157, 5945, 12935.
Cundy, K.R. 3801.
Cunfer, B.M. 9395, 10741.
Cunha, B.A. 10491, 11404, 11798, 11799, 11942, 12002.
Cunha, P.S. 9505, 13072.
Cunin, R. 12795.
Cunliffe, W.J. 677, 2768, 4360, 5269, 6149, 10296, 11677.
Cunningham, D. 2865.
Cunningham, D.S. 4298.
Cunningham, J. 6133.
Cunningham, R.P. 4107.
Cunningham, T.F. 10511.
Cupkova, V. 8461.
Cuppage, F.E. 5409.
Cuppels, D.A. 2900.
Curd, J.G. 5225.
Cure, S.M.F. 4431.
Curiel, A.G. 9273.
Curin, G. 4470.
Curl, S.H. 3169.
Curlin, G.T. 13160.
Curole, D.N. 2066.
Curran, J.F. 11303
Curran, J.M. 4769.
Curreri, P.W. 13256.
Currier, R.W. 7285.
Currier, T.C. 2949.
Curson, P.M. 5352.
Cursons, R.T.M. 3164.
Curtin, H.D. 11843.
Curtis, E.M. 13187.
Curtis, G.D.W. 2552, 11836.
Curtis, J. 4305.
Curtis, M.J. 4236.
Curtis, N.A.C. 5115, 5802.
Curtis, P.E. 7268, 9361.
Curtis, S.E. 1075.
Curtiss, R.,III 8659, 11272, 11289.
Curzon, M.E.J. 1954, 10872.
Cusanovich, M.A. 12473.
Cushing, A.H. 893.
Cuteanu, I. 7957.
Cuthbert, E.H. 13193.
Cutler, J.C. 2165.
Cutlip, R.C. 626, 2376.
Cutting, W.A.M. 11755.
Cuzin, F. 8675.
Cvetanovic, M. 11144.
Cvitkovick, D. 740.
Cynamon, M.H. 5931, 8776.
Czaninski, Y. 1385.
Czarnecki, N. 13241.
Czechowski, M. 8835.
Czerkawski, J. 11055.
Czerwinski, E.W. 8651.
Czirok, E. 7922, 9902, 10145.
Czochor, R.J. 12761.
D'Agnol, G. 4230.
D'Agnolo, G. 12982.
D'Amato, R.F. 1348, 2562,
D'Ambrosi, O.M. 9523.
D'Amelio, R. 697, 9097.
D'Angelo, L.J. 7191.
D'Antonio, R.G. 7377.
D'Apice, A.J.F. 2068.
D'Ari, R. 12766.
D'Aste, E. 4309, 4317.
D'Aubert, S. 5474, 9343.
D'Enfert, J. 486.
D'Esopo. N.D. 6186.
D'Hinterland, L.D. 3244.
D'Silva, C. 11149, 12553.
Da Costa, E.O. 10678.
Da Costa, S.O.P. 8946, 9778
Da Cunha Penido, E.G 9547
Da Silva Lopes, A A 11805
Da Silva, M. 11686.
Da Silva, N. 7266.
Dabbs, E.R. 1600, 6590, 668
Dabe, I. 9218.
Dabek, A.J. 8128.
Dabernat, H. 13155.
Dabernat, H.J. 7239, 7257, 1
Dabi, R.K. 4595.
Dadak, V. 3932, 4780.
Dadarwal, K.R. 2473, 3726.
Daddow, K.N. 9371.
Daeumling, S. 13062.
Daffe, M. 4083.
Dagan, R. 6868.
Daghfous, T. 2199, 13310.
Dagley, S. 1408.
Dagnall, G.J.R. 8254, 9327.
Daguang, C. 11892.
Daha, M.R. 562, 2324, 10227,
Dahinden, C. 496.
Dahiya, D.S. 3852.
Dahiya, J.S. 7334.
Dahlander, K. 576, 929, 6222
Dahlbaeck, B. 12162.
Dahlberg, A.E. 3900
Dahlberg, J.E. 4108.
Dahlen, G. 7927, 11680, 1168
Dahlgran, J.R. 7431.
Dahlin, R.N. 500.
Dahlquist, F.W. 3810.
Dahlstrom, G. 1911.
Dahms, S. 9715.
Dahn, M. 11874.
Dai, G.-S. 12835.
Daigger, G.T. 10973.
Daigneault-Sylvestre, N. 463.
Daigneault, J.P. 4863.
Daikos, G.K. 942, 1035, 1749, 5075, 5443.
Dailloux, M. 3276.
Daily, O.P. 6254, 10373.
Dainelli, B. 2633.
Dajani, A.S. 3009, 10427.
Dajez, P. 888.
Dakay, M. 10030.
Dalaker, K.D. 3403.
Daldal, F. 262.
Dale, J.B. 11560, 12696.
Dale, J.L. 5500.
Dale, J.W. 11133.
Dalens, B. 13273.
Daley, S. 1410.
Dalgliesh, R.J. 9047.
Dalhoff, A. 785, 12903.
Dall'Acqua, F. 11456.
Dallegri, F. 8998.
Dalling, M.J. 1184.
Dallot, J.-Y. 8045.
Dally, E.L. 11288.
Dalovisio, J.R. 6258.
Dalsgaard, I. 8344, 9492.
Dalton, D.D. 8383.
Dalton, H. 109, 5762.
Dalton, H.P. 11954.
Daltrey, D.C. 9076.
Daluge, S. 5748, 12610.
Dalvi, R.R. 1463.
Daly, C. 2891, 11184.
Daly, J.G. 10152.
Daly, T. 724.
Damare, J.M. 4267, 6880, 8935.
Damas, A.M. 3869.
Damaso, D. 3271, 6797, 9991.
DaMassa, A.J. 1080.
Damberg, M. 9910.
Damle, P. 417.
Damle, P.B. 4212, 6064.
Dammin, G.J. 5319.
Dammron, A. 5436.
Damodaram Naidu, V. 6455, 646
Damper, P.D. 9985.
Damus, K. 3469, 8960.
Dan, B.B. 10098, 10107, 10118, 10409.
Dan, M. 6301, 11617.
Danbara, H. 5871, 9877

er, B.N. 1594, 1671
in, A. 2709
er, B. 12021
a, A. 439
c, J. 409
o-Moore, L 41, 12516
e, S.R S 13428
l, H J ,III 6182
l, J F 9387
l, R.C W 13399
l, R M 2465, 9757, 1114
464, 12603
l, R.R. 2581
l, S.O. 1866
l, T M 547, 591
lides, V 7382
els, C.J. 7401
els, M.J. 13422, 13449
elson, G.K. 10575
elsson-Tham, M.-L. 9230
elsson, D. 33, 36, 671,
4, 2251, 8923, 12274, 12743.
lenko, I.I. 12722
levich, V N 7704
leyko, L V 11428
lov, L L 10160
lov, V 7488
lova, L.S 3430
lova, M V 4658
lova, T.N. 2145, 4654, 10437.
cert, J. 3183, 9622
cert, M 5800
cert, M A 12711
nane, A B K 4643
oenberg, A M.,Jr. 6970.
ner, D B 8693, 11324
nhauer, H 7369
son, M J 6660, 11160
trowitz, E R 4044
zig, M 10602
ziger, J L 8854
udal, P 13028
ust, V 5798
ai, G 3776, 8702
akhshan, D 11485
amola, D 1203
amola, J.O. 2189.
aselia, G.Y. 12747
bas, H 3418, 6878
by, H 3355
byshire, J. 9754
cel, C.Q. 10692
dalhon, M. 12742
de, M.L. 5408
feuille, A. 7027
Rif, C.A 534.
ioli, R. 10391
ley-Usmar, V.M. 1417
lington, L.G. 13291.
ne, J.F. 8005
rougar, S. 3445, 3477, 7375.
row, W.W. 7086
ruwalla, K R. 9593
rvill, A.G. 2830
rwill, A.G. 6667
s, G. 4805
s, J. 4805, 8612.
s, S.R. 10151
sch, G.A 1845, 8342
schner, F. 1042, 11878
schner, F.D. 785, 8044, 8780.
sGupta, C. 4107, 9823
sh, S.C. 5413, 8034
shefsky, B. 6234.
stidar, S.G. 2880, 3107
stur, D.K. 11603
te, R.A 8180
te, S 5638, 8458
te, T. 1533.
tta, A 222
tta, B.N 10466
tta, J B 9126
tta, K. 12923.
tta, N. 457, 1297, 1748,
2559, 6752, 9891, 10007
tta, P. 4064
tta, T 9263
attani, I.M 9162
aubner, I 9628
aum, R.S. 8955.
aumy, G.O. 5769, 12658.
aune, M.P. 11318
avankov, V.A. 4882, 4895
avant, N. 6066
ave, A.K. 5223.
ave, C.J. 9285.
ave, P.J. 1635, 8714.
avey, J.E. 3671.
avey, M.R. 3714, 12290.
avid-Chausse, J. 5408
avid-Prince, M. 2110.
avid, H.L. 1340, 4221, 5659, 5987.
avid, M. 3288.
avidenko, T.I. 4091.
avidson, B.E. 4038, 4051, 7668
Davidson, E 8481
Davidson, E.W 8358, 8883, 949
Davidson, G.P 3355, 5311
Davidson, J.N. 5107, 8812
Davidson, J.P 4350, 8657, 8682
Davidson, L.I. 5729
Davidson, M.K 3158, 4587, 11729
Davidson, P.M 423
Davidson, P.T 417, 4212, 4387,
6064, 6162, 6168
Davidson, S. 7183
Davidson, V.L. 3815, 3819
Davidson, W.R 5478, 10691
Davie, J.M 1888, 11543
Davies, A 13362
Davies, A.M 2391
Davies, A M C 13449
Davies, B.H 7938
Davies, B.I 13119, 13125
Davies, D.H 5489, 7287, 10199,
12075
Davies, D.M 4847
Davies, F G 4553
Davies, F L. 4112, 5590
Davies, H.A. 814, 10169.
Davies, J. 2027, 7719, 11317, 11435.
Davies, J.E. 2710, 7696
Davies J G 9151
Davies, P. 5186
Davies, R.M 703
Davies, R.W 4014, 6659
Davies, W 9727
Davies, W.D 7668
Davis, A. 7575
Davis, A.E. 7893
Davis, A.L 631
Davis, A.R 1624.
Davis, A.T 7060
Davis, B 3362
Davis, B.D 1536
Davis, B.R 815, 2574
Davis, C.E. 11306
Davis, C.L 115, 9319
Davis, C.P 2104, 4122, 8651, 9699
Davis, C.R 8837.
Davis, D.E 956, 1106, 9077
Davis, D.G 4445
Davis, E.M 3854, 5144, 7423
Davis, G B 838
Davis, G.H G 2566, 8976
Davis, H 1237
Davis, J K 4587, 6104, 10239,
10271, 10541, 10689
Davis, J.M 10511, 13299
Davis, J.P. 742, 4527, 10100,
10105, 10113, 10120, 10125,
10129, 10243, 11490
Davis, J.R 4702
Davis, J W. 3756
Davis, L.E 893
Davis, M.J 9551
Davis, N.K. 11286
Davis, P.G. 6433
Davis, P J 5652
Davis, R.E. 849
Davis, S. 5397
Davis, S.D 2229, 7943
Davis, W M 3734
Davison, A.M 7973
Davison, V.E 9584, 12395
Davoren, R.A 976
Davos, D.E 1950, 5427, 6286
Davydkin, N.F. 2303
Daweke, H. 10245
Dawes, E.A. 1411, 12440, 12703
Dawid, W. 12222
Dawodu, A.H 6184
Dawson, C.R. 2199, 13048,
13235, 13310
Dawson, D.J. 3544, 5595, 6973
Dawson, H. 2587
Dawson, K.P 11848, 11882
Dawson, M. 3582, 5186
Dawson, M.J. 7480
Dawson, M.P. 12359
Dawson, N. 6556
Dawson, R. 5547, 9793
Dawson, S.G 5324
Day, F.P.,Jr. 9469
Day, G.J. 12900
Day, M.J. 13508.
Dayal, P.K 9285
Dayalu, K. 4541
Dayan, D. 6956.
Dayan, M.Kh. 4206
Dayhoff, M.O. 12744.
Daynes, R.A 4316, 11573
Dayton, A.D 6321, 10876
Daza, R.M 3271, 6797
Dazzo, F.B. 2466, 2630, 8213, 13483.
De A Pastor, M.V. 6240
De Almeida, D.F. 1665
De Almeida, T.R 2077
De Ampuero, S. 4526
De Andres, C. 10430
De Antoni, G 3865
De Araujo, F.L. 8945
De Azavedo, J 473, 3125
De Azevedo Piochi, B J. 13072
De Azevedo, J. 10131
De Bac, C. 30, 1318
De Balle, L 1603
De Barcellos, D.E S N. 4706
De Barjac, H 3653, 4239, 4597,
5491
De Barjac, M. 8884
De Barros Pietro, P 2077
De Beuckeleer, M 12827
De Biasi, P 7252
De Boer, H. 2329
De Boer, H A 1446
De Boer, M.J 1094
De Boer, S.H 13447
De Boer, W 8450
De Boer, W R 4075
De Bolos, J.M.A. 11742
De Bolster, M W.G. 1774.
De Bont, J.A.M. 1391, 8647
De Bruyn, J. 2770, 2771
De Buruaga, J.S. 7145.
De Buyser, M.-L. 10065
De Campos, C.M 9505
De Carvalho, E.M. 7152
De Carvalho, M.M. 7450, 10794
De Castillo, M.C 9140
De Castro, A.F. 4226
De Cleene, M. 3663, 4609, 8145,
8146
De Clercq, E. 8678.
De Crombrugghe, B. 4807, 4981, 5842.
De Cueninck, B J 5601
De Del Baglivi, M.B. 12060
De Felice, M 4101, 12570
De Ferreiros, I.V. 12178.
De Franciscis, V. 9847, 9848
De Garate, J. 7070
De Geus, P. 7650
De Godoy, A.M 7292.
De Goes, G.M. 4428
De Graaf, F. 6054
De Graaf, F K. 514.
De Graaf, F.K. 6494, 8368,
8743, 10936
De Graaf, J.M 3897, 3898, 5728
De Graaff Guilloud, J.C 3385
De Graaff, J. 470, 3151, 7699,
8490, 11557, 13099
De Graeve, J. 11614
De Graff, J. 10928
De Grandis, S.A 287
De Greve, H 5880, 12829
De Groote, G 8070
De Grutolla, G. 9364
De Guardia, A. 11757
De Haan, F A.M 9427
De Herrera, E C 10773
De J Potgieter, M. 783.
De Jonckheere, J.F. 12680, 13527
De Jong, W.A. 4574
De Kam, M. 6396, 8149
De Knijff, P. 6703
De Koning, G.A.J. 2176
De la Cabada, F.J 663
De la Cruz, A.A. 6844
De la Cruz, G. 7975
De La Cruz, V.G 2255
De la Maza, L.M. 2557, 8361
De La Pena Lopez, J.R. 2255
De la Rubia, T. 10874
De La Serna, J L. 1012
De la Torre, F 7146
De Lange, J.F. 12070
De Lauture, H 4509
De Leeuw, G.T.N 3671
De Lencastre, H 1662
De Leon, L.E. 11706
De Leon, L.P 2547
De Letona, J M.L. 8036
De Ley, J. 1300, 3663, 3847,
4609, 8145, 8146, 12084
De Lisle, G.W 2385
De Lopez, A.G 8862
De Lorenzo, V 10022
De Louvois, J. 8075
De Macario, E.C 5204, 6028, 6042
De Maeyer-Guignard, J 11265
De Maeyer, E. 11265
De Maeyer, S. 10947
De Mallorca, M. 1165
De Marco, C 8441, 8463
De Maria, F 5048
De Martelaere, D.A. 1633.
De Martino, M 10631
De Medicis, E 12612
De Meirleire, F 3201
De Mello Vieira, J. 9133
De Melo Serrano, A. 10361
De Melo, S.M. 11541, 11542
De Mendoza, D. 4969, 12723.
De Meo, G. 12941
De Miguel Prieto, J. 7139
De Miguel, C 2146
De Miguel, E. 3149, 3150.
De Montbrun, S.E.C. 4526
De Nader, O.M. 9140
De Nadra, M.C 3951
De Oliveira Castro, I. 13274.
De Oliveira, C.M. 8597
De Oliveira, M G. 7152.
De Oliveira, M.M.G. 11805
De Paula Carvalho, J.P. 7342
De Pedro, M.A 6804
De Pedro, R.L.D. 7134
De Quiros, L.B 10507.
De Rautline de la Roy, Y. 5355.
De Repentigny, J. 5988
De Reuver, M.J. 10221
De Rosa, M 8643, 9667
De Ruiz Holgado, A.A.P. 3951
De Ruiz Holgado, A.P. 9140.
De Rycke, J. 11768.
De Sa, P N. 8460.
De Saab, O.A 9140.
De Saxe, M.J. 10131.
De Silva, L.M. 3317.
De Sousa, M. 9133
De Toledo, H.L. 11734
De Toledo, S.M 8732
De Vasconcelos, J.C. 11758
De Vast, J 7223, 13361
De Vegvar, H.N 4926
De Vendittis, E. 9686
De Vicente, M.V 362.
De Visser, A.J.C. 9456
De Vos, G. 12827
De Vries-Hospers, H. 11775.
De Vries, G.E. 6510
De Vries, J 6955
De Waart, J 8422.
De Weck, A.L. 1892
De Wilde, M. 2710
De Wolf, M.J.S. 5152
De, J. 11436.
De, S 8424
De, S.P. 2041
Deakins, L.W. 6862.
Dean, A.C.R. 121, 136
Dean, D. 7510.
Dean, L.D. 2967
Dean, P D G. 11164.
Deane, S.A 668
Deanfield, J. 8065.
DeAngelis, L.M. 892.
Dearth, R.N 10720.
Deb, B.C. 2039, 2041
Deb, M. 11385.
DeBakey, M.E. 4460.
Debarbouille, M. 7511, 11062.
Debesse, B. 13139
Debey, P. 12480, 12495.
Deblaere, R. 5880
Debono, M. 5898
Debov, S.S. 3998, 12505
DeBoy, J.M. 1795.
Debre, B. 865, 4424, 9164
DeBrosse, C.W. 7584
Debusschere, P. 396.
Decarlis, R.M.S.T. 10359
DeCarlo, J.D. 2229
DeChatelet, L. 3217
DeChatelet, L.R. 13017
Decker, J.L. 8251.
Decker, K 9267
DeCourcy, S.J. 3188.
Decousus, H. 5394, 7399
Decraemer, H. 12829
Dedie, K 7282
Dee, T H 7157.
Deegen, E. 9359
Deeley, M.C. 257
Deem, R 6078.
Dees, C. 605, 8641
Dees, D.J 6204
Dees, S.B. 61, 2838, 4951, 6677
Deeth, H.C. 12601
Deever, E 3473.
Defaux, D. 11953
DeFelice, M 252
Defez, R. 4101
Defoort, P. 2057
DeForge, I. 2276.
DeFranco, A.L 247.
Degani, N 427
DeGannes, R 6346
Degeest, P. 9158
DeGirolami, P.C 1287
Degner, I. 6976
Degre, M. 3219, 11566
DeGregorio, R.M. 12039
Degtyareva, I.N. 1771.
Deguchi, T. 2961.
Deguchi, Y. 1477, 12031
Dehais, J. 5408.
DeHaven, H. 4371
Dehazya, P. 12558.
Dehler, W. 293
Dehner, L.P. 13185
Deho, G. 4116.
Dehority, B.A. 5451.
Deibel, R.H. 12949
Deich, R.A 8693
Deinhardt, F 9870.
DeJohn, D. 3022
DeJong, T.M. 2442, 6429, 12845.
Dekegel, D. 10947.
Dekel, S. 2293
Dekker, B 2858
Dekker, J. 7430.
Del Arco, A. 11153.
Del Bosque, J. 11291.
Del Campo, F.F. 12489.
Del Corno, G. 4352.
Del Giudice, R.A. 1299, 4679.
Del Mastro, S. 6793.
Del Rio, M. 11845.
Del Valle, J. 10588.
Dela Cruz, A.R. 8198.
Dela Cruz, R. 8062
Delage, G. 4512, 6236.
Delahousse, T. 4444.
DeLahunta, A. 6361.
Delalande, J.P. 2220, 10628.
Delamarre, J. 7009.
Delappe, I.P. 10006.
Delarea, J. 12301
Delaroy, Y.R. 13323.
Delarras, C. 7391
Delauche, M.C. 3512.
DeLaune, R.D. 1159, 9644.
Delaville, M.R. 5395.
Delaware, D.L. 9921.
Delbaere, L.T.J. 7591.
Delbarre, F. 5416.
Delbary, A. 3520
Delbeke, E. 6776, 13237.
Delcambe, L. 4163, 4915.
Delcenserie, R. 7009
Delcuve, G. 4982
Deleage, B. 2115.
Delektorsky, V.V. 3185.
Delfino, J.J. 12212
Delfino, M. 372.
Delgado, J.A. 5477.
Delia, S. 1729.
Delisi, C. 8967.
Delisle, A.L. 4768.
Delius, H. 3776, 5859, 8702
Delivanis, P.D 1960.
Della Rocca, A. 4317.
Dellaglio, F. 2936, 9549.
Dellamonica, P. 3495, 13258, 13286
Dellinger, E.P. 4507, 7995,
10534, 13316.
Dellota, C.B. 2097.
Delmas, C. 8252, 8728.
Delmas, C.F. 7257
Delmas, C.L. 3110.
Delmee, M. 6174, 11496
Delmelle, M. 2675.
Delmotte, C. 13355
Delohery, J. 3483
Delong, S. 7675.
DeLong, T.G. 10235.
DeLorenzo, L.J. 13332.
DeLorenzo, W 3567
Delorme, J. 11993
Delpuech, F 9177.
Delrieu, F. 5416.
Deluca, S.A. 8066
DeLucca, A.J.,II 3711.
Delwiche, C.C. 12139.
Delwiche, E.A. 192.
Demain, A.L. 2995, 8784, 11341,
11349.
DeMaria, A. 967
DeMaria, T.F. 8999.
DeMarini, D.M. 7379.
Demarne, Y. 1123, 7290.
DeMatteo, C.S. 1883.
Demchenko, B.I. 12373.
Demeyer, D.I. 6324.
Demikhovskaya, A.A. 13173.
Demina, N.S. 429.
Deming, J.W. 1128, 1237.
Demko, C.A. 13043.
Demling, R.H. 1837, 10114, 10130.
Demonty, J. 11614.
DeMoor, J. 47.
DeMoranville, C.J. 2448.
Demoulin, L. 6183.
Demple, B. 5715.
Demple, D. 9774.
Dempsey, M.J. 10806.
Dempsey, W.B. 8711.
Denardi, J.L. 734
Denarie, J. 5510.
Denbow, D.M. 4242.
Dendinger, S.M. 8701.
Deneer, H.G. 7697.
Deneke, C.F. 1795

Deng, H.-F. 12337.
Denis, B. 7891.
Denis, D. 2535.
Denis, F. 903, 2110, 5060, 7147, 9167, 11838, 11841.
Denis, J. 11556.
Denis, M. 11112.
Denisov, G.V. 12444
Denneberg, T. 6219.
Dennehy, P.H 7980.
Dennett, D.P. 4334.
Dennis, D. 7514, 11091.
Dennis, D.T. 13338.
Dennis, P.P. 4982, 12542.
Dennis, R.T. 4660
Dennis, R.W. 2644.
Dennis, W.H. 12953.
Denny, F.W. 11745.
Denolf. B.L.L. 7355.
Denoyel, G.A. 11705.
Dent, C.H.R. 13388.
Dent, V.E. 2345, 8348, 12267.
Denyer, S.P. 2686.
Deo, M.G. 3245.
Deobagkar, D.N. 5722.
Depaoli, A. 371.
DePasse, B.M. 10561.
Depew, R.E. 6706.
Depner, T.A. 7942.
Dequeker, J. 2305.
DeRenzis, F.A. 4238.
Derevitskaya, V.A. 11099
Derganc, M. 4383, 13272.
Dergunov, A.D. 5809, 12302.
Derks, F. 9221.
DeRosier, D. 8386
Dervartanian, D.V. 2732, 3875, 9740.
Derwenskus, K.-H. 11094
Dery, P. 891.
Derynck, R. 8678.
Derzhavets, L.Kh. 11865.
Desai, B. 3061.
Desai, S. 6972.
Desai, V. 2518.
DeSandre, G. 5302
Desban, M. 11512.
Desbois, J.C. 4366.
Descamps, P. 2567
Descamps, Ph. 12888.
Deschamps, A.M. 8434.
Deschodt, C. 10748.
Deser, H.-J. 9623.
Deshayes, P. 3535.
Deslauriers, R. 8364.
Desmarchelier, P.M. 25.
Desmaret, M.C 5355.
Desmarez, L. 11430.
Desmazeaud, M.J. 4937, 5789.
Desmecht, M. 6183, 9053.
Desmond, E. 2023.
Desnottes, J.F. 1878.
DeSousa, D.M. 12579.
Despert, F. 6238.
Desproges-Gotteron, R. 3536.
Dessen, P. 5707, 5716, 7617.
Destaing, F. 6265, 8046.
Destee, A. 11842.
DeStephano, L. 6035.
Desvignes, A. 408.
Detar, C.C. 236.
Dethlefs, R. 8057.
DeTorres, O.H. 5907.
Dette, G.A. 5068.
Detweiler, R. 13443.
Detweiler, R.D. 9392.
Deushi, T. 2987, 7734, 11357.
Deutsch, A.L. 4402.
Deutscher, J. 7526, 11229.
Deutscher, M.P. 3906, 3914.
Devadath, S. 3666, 6460.
Devaud, M. 9988.
DeVault, R.L. 7742, 11365.
DeVay, J.E. 7327, 12151.
Devenish, J.A. 2516, 4263, 9562.
Devereux, R. 8412, 12832.
Deverno, P.J. 10234.
Devi, I. 2039.
Devi, L.R. 3697.
Devi, S. 1974.
Devinsky, F. 8461.
Devitt, N. 11884.
Devitt, P.G. 8053.
Devleeschouwer, M.J. 413.
DeVoe, I.W. 349, 1396, 10551
Devos, R. 8678.
Devriese, L.A. 3095, 10929, 12883.
Dewaele, A. 4582.
Dewan, A. 7901.
Dewan, S.K. 9285.
Dewedar, A. 8747.
Dewilde, J. 13335.
DeWitt, W.E. 10906.
Dexter, F. 2527.
Dey, B.K. 12387, 13495, 13498.
Dey, V.K. 9334.
Deyoe, B.L. 4259, 7884, 9037.
DeYoung, D.R. 7804
DeZeeuw, P.S. 3155.
Dhaese, P. 5870.
Dhainaut, J.F. 8045, 13282.
Dhall, K. 2087
Dhar, B. 6820, 9458, 9989.
Dhar, H.P. 1776.
Dharamvir, S. 10488
Dhariwal, K.R. 6632.
Dharmalingam, K. 7673.
Dhawan, I.K. 8034.
Dhawan, K.N. 5135, 8842.
Dhawan, V.K. 9979.
Dheandhano, D. 10527.
Dhillon, E.K.S. 453.
Dhillon, T.S. 453.
Dhingra, K.K. 7321.
Dho, M. 7825, 10869
Dhople, A.M. 1581, 4761, 8548
Di Bari, M. 911.
Di Capua, E. 7498, 11102.
Di Cugno, F. 3298.
Di Donato, A. 9697
Di Fabio, J. 1562.
Di Girolamo, M. 8441, 8463
Di Marco, A. 7744.
Di Mauro, E. 1511.
Di Natale, P. 1823.
Di Ninno, V.L. 11594.
Diab, A. 9536.
Diab, S. 12096.
Diabaye, A. 5530
Diallo, A. 7151.
Diana, R. 2143.
Dianese, J.C. 1142, 12346
Diani, A.R. 4539.
Diaz de Leon, L. 2655.
Diaz. R. 2029.
Diaz-Calderon, E. 2108.
Diaz, A. 2108.
Diaz, R. 8907, 9905, 13002.
DiBartolomeis, M.J. 4723.
Dibb, N.J. 12803.
Dibb, W.L. 3828, 4169, 6274, 7787.
Dibley, M. 10071.
Dibon, J.M. 3536.
Dick, D.J. 5341.
Dick, H.M. 12008.
Dick, W. 2290, 12006.
Dicke, M. 8705
Dickens, M.D. 10404.
Dickerson, R.E. 7482.
Dickert, H. 6777.
Dickertmann, D. 13367.
Dickgiesser, N. 12235, 12836.
Dickinson, D.F. 10360.
Dickinson, G.M. 765.
Dickinson, L.C. 8479.
Dickinson, R.J. 1761, 11763.
Dickinson, T.A. 4552.
Dickreuter, W. 847.
Dickson, D.P.E. 11115.
Dickson, J. 12068.
Dickstein, S. 2071.
Diedrich, D.L. 4716, 6599.
Diego, M. 3150.
Diejomaoh, F.M.E. 10385
Diekert, G. 187, 2663
Diem, E. 1036.
Diem, H.G. 10786, 12117.
Diena, B.B. 11632.
Dierberg, F.E. 9462
Dierich, M.P. 7069
Dierickx, L. 4915.
Dierickx, R. 389, 8802.
Dietel, K. 5358.
Dietrich, S.W. 6646.
Dietsche, G. 1329.
Dietz, A. 5163, 11831, 12739.
Dietz, A.S. 3651, 10805.
Dietz. G.W. 776.
Dietz, J.N. 8281, 9023.
Diez-Balda, V. 1012.
Diezel, W. 597.
Difilippo, N.M. 5309.
Dig, G.-L. 11285.
Diggs, C.H. 6307.
Digranes, A. 3828, 4169, 6274, 7787, 11789.
Dijk, J. 3905, 3908.
Dijkema, R. 2858.
Dijkmans, B.A.C. 7095.
Dijkstra, R.G. 12177.
Dikshit. D. 7557.
Dildy, B.F. 10336.
Dilley, D.H. 13114.
Dillon, A.R. 2340.
Dillon, H.C.,Jr. 378, 3200, 4521.
Dillon, J.R. 276, 5364.
Dillon, W.P. 12989.
Dills, S.S. 2799.
Dillwith, J.W. 163, 4855, 8500.
Dilov, H.V. 98.
Dilworth, M.J. 5619, 5794, 12322.
Dimache, G. 5246.
Dimache, V. 5246.
Dimitracopoulos, G. 2733.
Dimmitt, S.K. 13349.
Dimmock, C.K. 4557.
Dimroth, P. 3981.
Dinakar, I. 3412.
Dinardo, O. 7437.
Dinari, G. 13143.
Dineen, P. 10511.
Dines, D.E. 9114.
Dines, J. 9151.
Ding, S.-R. 12965.
Dinh Tu, T. 623.
DiNinno, V.L. 8018.
Dinkins, E.L. 9447.
DiNola, F. 9236.
Dion, B. 3598.
Dionigi, P. 10593.
Dionigi, R. 10593.
Diop Mar, I. 2110, 9167, 11838.
Dipeolu, O.O. 3631, 4548.
Dipolu, O.O. 9341.
Dirckze, C.D. 1609.
Dirksen, G. 13060
DiSegni, E. 7143.
Dishler, J. 11954.
Dishon, T. 10201.
Disney, L.D. 12146.
Dison, E. 711.
Dispiraki, K. 1035.
DiSpirito, A.A. 5678
Distasio, J.A. 7953.
Distler, W. 4954.
Ditta, G. 5833.
Dittmar, W. 5984.
Ditto, M.D. 11093.
Dive, F. 6250.
Divers, T.J. 2379.
Divinagracia-Laysa, F. 7298, 7323.
Divinagracia-Laysa, F.E. 9422.
Dixit, R.B. 5507.
Dixit, S.N. 10966.
Dixon, G.H. 9675.
Dixon, J.M.S. 1014.
Dixon, R.A. 348, 2396.
Dixon, R.E. 1261, 4443, 10506, 10509, 11977.
Diyachenko, L.A. 7076.
Djavan, A. 3862, 4670, 12408.
Djian, A. 3532.
Djiane, J. 1081.
Dmitrenko, G.N. 12378.
Dmitrenko, O. 10016.
Dmitriev, B.A. 6676, 10162, 10163, 11544.
Dmitriev, G.A. 3185.
Do Nascimento Mos, E. 3602
Dobbins, C.N. 2647, 2648.
Dobbins, W.O.,III 6061.
Dobereiner, J. 12654.
Doberneck, R.C. 6224.
Dobias, B. 9173.
Dobritsa, A.P. 11333.
Dobritsa, S.V. 11333.
Dobrogosz, W.J. 9733.
Dobrolinskaya, G.M. 4767.
Dobrova, Z. 8609, 8617.
Dobrovolskaya, T.G. 6480
Dobson, R.L. 683, 11661.
Dodd, C.R. 2925.
Dodd, D.C. 12349, 13003.
Dodd, D.J. 61.
Dodd, J.A. 4806, 4822.
Dodgson, K.S. 4062, 4898, 12426.
Dodin, A. 13323.
Dodson, L.A. 271.
Doehring, R.O. 7772.
Doelle, H.W. 7452, 7598, 8256
Doepfer, H. 12523.
Doering, G. 11141, 11142.
Doern, G.V. 2996.
Doerr, M. 11221.
Doerschug, M. 7526.
Doetsch, R.N. 62.
Doggert, R.G. 12191.
Doglia, S. 158.
Dohany, A.L. 1867, 10732.
Doherty, M. 13442.
Dohms, J.E. 5165, 6336.
Dohoo, I.R. 11972.
Doi, M. 7752.
Doi, R.H. 6618, 8811.
Doi, T. 4026, 6099.
Doig, P.A. 2333, 6365, 9353, 9355.
Dokmetjian, J. 4323.
Dolezal, J. 2764.
Dolgina, E.N. 10205.
Dolgina, M.I. 1041.
Dolina, O.A. 7193.
Dolivo, M. 13207, 13243.
Dolley, M.F. 13409.
Dolly, J.O. 10084, 11501.
Domagala, J.M. 9948.
Dombrowski, D.B. 7222.
Domdey, H. 11042.
Domellof, L. 3471.
Domingue, E.L. 13460.
Dominguez De Villota, E. 1012.
Domka, F. 1405.
Dommergues, Y. 9442, 12117.
Dommergues, Y.R. 10786.
Dommes, V. 11144.
Dommisse, J. 3340, 13329.
Domon, M.H. 5988.
Domovitch, E. 5350.
Domrachev, N.V. 12373.
Domsch, K.H. 106, 2456.
Domschke, W. 11783.
Don, G.J. 7893.
Donahoe, J.L. 5389.
Donahue, J.M. 6358.
Donahue, J.P. 1474.
Donald, B. 7238.
Donald, B.A. 4557.
Donald, J.F. 9111, 9113, 9115.
Donald, P.R. 2125, 8019.
Donaldson, S.S. 645.
Donas, G. 11739.
Donath, J. 3320.
Donati, M. 508, 2143, 7049.
Donawa, A.L. 1189, 1190, 9478.
Dondero, D.V. 1031.
Dondog, N. 2269.
Dong, G. 11634.
Dong, J.-Y. 11620.
Dong, Y.-D. 9503.
Dongzhe, G. 2523
Donnelly, L.S. 9654.
Donnelly, M.I. 1408, 1410, 6638.
Donnelly, T.M. 10719.
Donoghue, D.J. 9824.
Donohoe, J. 2315.
Donohue, T.J. 201, 1516, 7628.
Donovan, T.J. 9493.
Donovan, W. 11263.
Donowitz, L.G. 10532, 10538.
Donta, S.T. 11499.
Dony, J. 413, 5993.
Doolittle, W.F. 5725, 8499.
Doores, S. 4717.
Dopp, C. 13344.
Dor, P. 937.
Dorai, D. 11243.
Doran, J.E. 168.
Doran, T.I. 3182.
Dorigo, D. 1665.
Dorman, D. 2129.
Dorman, D.C. 4385, 5381, 8798.
Dorman, S.A. 11766.
Dorn, G.L. 8072, 13347.
Dorn, R.I. 6415.
Dorn, U. 2806.
Dornbusch, K. 458, 1751, 5124.
Doroghazi, R.M. 3342.
Doron, Y. 13221.
Dorr, R.G. 9773.
Dorronsoro, I. 2029, 7145.
Dorsey, T.A. 9037.
Dos Santos, C. 531, 532.
Dos Santos, E.C. 6464.
Dos Santos, J.E. 5548.
Dos Santos, M.L. 2011.
Dostalek, M. 8160.
Dott, W. 7389, 7390, 7848, 10999, 11002, 12168.
Doty, S.L. 10178.
Doubleday, O. 7505.
Doudoroff, M. 2876.
Dougados, M. 3496.
Dougan, G. 1679.
Dougherty, T.J. 3025.
Douglas, H. 11636.
Douglas, H.C. 9614.
Douglas, J.G. 4411.
Douglas, J.R. 7962.
Douglas, J.T. 2728.
Douglas, K.T. 11149, 12553.
Douglas, R.M. 616, 7194.
Douglass, C.W. 13097.
Douglass, J. 3897.
Douglass, J.A. 5189.
Doupnik, B.L. 8285.
Dournon, E. 2005, 10213, 11715, 13152.
Doury, P. 3531, 5407.
Douste-Blazy, L. 11480.
Douthwaite, S. 6581.
Doutre, M. 2535, 3564.
Douvier, J.J. 9120.
Douzinas, E. 5443.
Dovgas, N.V. 11116.
Dovicak, M. 315.
Dow, C.J. 808.
Dow, C.S. 5762, 8506, 9579.
Dowbenko, D. 1624.
Dowd, E. 2269.
Dowd, S.R. 4730.
Dowell, C.E. 1655.
Dowell, R.V. 4600.
Dowell, V.R.,Jr. 3140, 10
Dowell, V.R.Jr. 7017.
Dowhan, W. 1523, 1602, 1
Dowling, J.N. 20, 8758, 9
Dowling, T.E. 11105.
Down, G.F. 6469.
Downard, R.A. 284, 8734
Downer, M.C. 1966.
Downey, D.J. 11731.
Downie, J.A. 1355, 1589,
Downing, R.G. 5016.
Downs, J. 8823.
Downum, K. 7854.
Doychinov, S.L. 8438.
Doyle, A.A. 2081.
Doyle, M.P. 5985, 10097
Doyle, R.J. 93, 1333, 134
1960, 6666, 7822, 8398
Doyle, T.W. 7724, 9983.
Doyle, W. 9330.
Doyle, W.J. 787.
Drabble, W.T. 1590, 4963
Drabikowska, A.K. 9997.
Drachev, L.A. 4790, 7479
Draetta, G.F. 1366.
Dragas, A.Z. 13272
Draghici, D. 6124.
Dragozhinskaya, R.P. 1240
Drahos, D. 5825.
Drahos, D.J. 5849.
Drake, A.A. 818.
Drake, H.L. 4889, 5774, 6
Drane, J.B. 724.
Drapeau, A.J. 11005.
Draper, C.S. 8121.
Draper, D.L. 915.
Draper, K.G. 4823.
Draper, P. 3177, 3240, 130
Drasar, B.S. 7962.
Draughon, F.A. 4665
Drazdak, K. 13467.
Drebing, C.J. 5234.
Dreessen, M. 7224.
Dreher, M. 9098.
Dreizen, S. 718, 724.
Dresser, M. 1639.
Drevon, J.J. 5530, 9445.
Drew, G.K. 8706.
Drew, N.C. 2052.
Drew, P.J.T. 4451.
Drews, G. 1552, 8469, 1120
Drexhage, H.A. 4284.
Drexler, H. 4124.
Dreyer, F. 10093.
Dreyfus, B. 4132.
Dreyfus, B.L. 8688.
Dri, P. 3985.
Dries, F. 4501.
Driessen, F.M. 5788.
Drifmeyer, J.E. 8232.
Drigues, P. 11233.
Drinkwater, D.C.,Jr. 1972.
Driscoll, S.G. 5373.
Driscoll, W.S. 10308.
Drlica, K. 5701.
Drobnica, L. 8262, 8840.
Drobnikova, V. 9855.
Droffner, M.L. 8719.
Droller, D.G. 765.
Dromashko, S.E. 242.
Droubi, A.J. 4714.
Drovyannikova, L.P. 2303.
Drozd, J.W. 2465.
Drozdowicz, A. 295.
Druart, F. 11764.
Drucker, D.B. 3647, 4376, 46
9512, 9916.
Drucker, M.M. 4493.
Drugeon, H. 11900.
Drugeon, H.B. 2577, 12895,
Druilhe, P. 4456.
Drukker, A. 2090.
Drulak, M.W. 3005.
Drummond, J.G. 1075.
Drummond, M.C. 2800.
Drusin, L. 10511.
Drusin, L.M. 2139.
Druzhinina, T.N. 10160.
Dryja, D. 3449.
Dryja, D.M. 3777.
Dryjski, M. 13290.
Drylie, D.M. 13194.
Du Moulin, G.C. 13149.
Du Plessis, J.L. 8953.
Du Plessis, J.N. 2284.
Du Pont, H.L. 4412.
Du Preez, J.C. 7469.
Du Preez, J.H. 3635
Du, J. 12993.
Du, S.-Y. 12352.
Dua, M. 10917.
Duangmani, C. 991, 5957.
Duatry-Varsat, A. 12783.
Dube, A.J. 5164.
Dube, D.K. 11053.

N. 12128.
ropp, H. 7229
G.R. 11429
K. 439
R.S. 8882
10391
F. 13171.
, D. 2908
, E. 264
et, J. 11056
J. 945, 2952.
M.F 9826
. R.E. 883
Perez, F 5963
F. 1123
dieu, M 8570.
guier, H.C. 11445, 12049.
il, A. 3312, 11751
il, C. 3550
iran, P. 601, 10206
. 11881
G. 10984
, Z. 10201
ige, N. 12783
P. 276
w, H.W. 5493, 10808
orth, D.C 11349
orth, D.H. 2944
orth, H.W 3877, 11168.
x, G. 11953, 13355
eau, R. 1123, 7290, 9005
c, L.J. 1164
V.I. 11022, 11473, 12411.
dge, J.E 100
, S.M. 2113.
lkar, B. 11670
, C.L. 1144
w, J.P. 791, 6998, 10319
en, B.I 2929, 3261
, P. 12449.
C. 4914, 4915.
S.J.B 3928.
T.A. 9315.
ld, B.J. 5054.
, L.K. 1472, 4229, 9699, 11476
r, A.P 6198, 7988.
e, M. 13047.
, J.H. 11646.
, G.S. 10876.
, P. 5605.
, P.R 285, 4689.
, S.K. 4770.
din, F. 1072.
, H. 4810.
d, R. 8895.
, M.T 662.
, J.A. 3959, 7602.
erwinkel, F.J. 3897, 3898,
28.
, A.K. 12095.
, S.H. 1167.
M.J. 8035.
son, G.M. 3416.
e, C. 4431.
ey, E.L. 11448.
, U. 5670.
T.J 2850.
a, R.J. 2244.
as, L.B. 7494.
broff, E.B. 2430, 4634
enil, G. 1773, 10027, 13261.
itrescu-Leibovici, A. 6181.
itru, R. 1980
mer, P M H 731, 13103.
ont, J 3841
rongpunth, P 8284
urgier, E 6980
and, J F 3529
bar, E M 2000
bar, J M 2144
bar, M ,Jr 2392
can, I.B R 1753
can, J F 9223
can, J L. 5996, 11824.
can, J.R. 2385, 11572.
can, M E 3279, 3280, 6259
can, M.J 8708.
can, M O 11377.
can, R 7909
can, R J.S 9783
can, W.P. 5562
g, G.-J 13090.
kle, L.M. 7065, 10620.
lap, R.B. 4887, 9737.
lop, J M 12012.
n, G 1358
n, I.J 9515
n, J.M 960
n, N W 7463, 8620.
n, R J 4967.
n, S D 4854, 8554
nill, P 9748.
ny, G. 2907.
ny, G.M. 5107.
phy, M.G. 5922.
Dunsmore, B 7899
Dunton, H 455
Dupas, H. 3078
Dupas, J.-L. 7009
Dupeyron, C. 226
Dupin, M. 9255.
DuPont, H.L 807, 4217, 13174.
Dupont, M.J. 281, 10002
Dupont, W.D. 7082
Dupras, G. 962
Dupuis, G 9272
Durack, D.T. 4577, 7066, 9958
Duran, A P 465.
Duran, N 8732.
Durand, G 2651, 9815
Durande, J.B. 7195
Durbin, W.A Jr. 3542
Durden, D.L. 7953
Durdu, J. 4359
Dureux, J.-B. 6268
Dureux, J.B. 3551, 8046, 9304.
Durham, D.L 3182
Durham, D.R 283, 6658
Durkee, C.T. 2095
Durkovsky, J 750
Durocher, L.-P 3435, 11852.
Durosoir, J.-L. 325
Durosoir, J.L. 1707, 5064, 5082
Durroux, R. 3537, 5398
Durtschi, M.B 6152
Durve, V S. 10218
Dusart, J. 2583
Dusehu, E. 3479
Dusha, I. 1625
Dushkin, V.A. 10727
Dussourd d'Hinterland, L 1444
Dutartre, B. 4538
Duthie, E.H 10529
Dutt, A. 1523
Dutt, A.K. 6195
Dutta, B M 3619
Dutta, G.N. 3095, 12883
Dutta, P. 2041.
Dutta, S K 56
Dutta, S.M 4000, 4870
Dutta, S N 6214
Dutta, S.R 5320.
Dutton, G.G.S. 1562, 4945.
Dutton, G.S. 7920
Dutton, P.L 3879, 4782, 5685, 6559
Duval, J 5965, 12893
Duvenhage, A. 711
Duvnjak, Z. 11248
Dux, S 9282
Duysens, L.N.M 1415
Dvorak, M. 409, 10663, 12057
Dwaraknath, P.K. 7226
Dwek, J.H. 2239
Dwivedi, C.M. 7546
Dworkin, M. 1361, 5610
Dworzack, D.L. 1020
Dwyer-Hallquist, P. 12509
Dwyer, J.D. 7887, 7888.
Dybas, R.A 6006, 11448
Dybvig, K. 12768
Dye, D.W 9417.
Dye, M. 9514
Dyer, T. 2706
Dyke, K.G.H. 11059
Dyken, P.R. 11844
Dykhuizen, D. 9663
Dykhuizen, D.E. 1588
Dykman, J.H. 8019
Dyomina,N.G. 178
Dyring-Andersen, K. 11814.
Dyson, A.E. 10557
Dzadzieva, M.F 13303
Dzhemukhadze, G.K. 11452
Dzhuzenova, B.S. 980
Dziubek, Z. 7210
Dzumedzei, N.V 11008

E-Maraghy, N.B. 3318.
Eade, O. 6115.
Eager, E. 2479.
Eagle, R.C.,Jr. 3424
Eaglesham, A.R.J. 1191, 10781.
Eaglesham, R.J 4642.
Eagon, R.G. 2742, 9581
Eardley, D. 10226.
Earle, D.P 12015.
Easmon, C.S.F. 535, 7208, 13201.
Eastebrook, K.B 7415
Easter, M.C. 9526
Easterbrook, K.B. 12318
Easton, A. 12745
Easton, C.J. 7554
Easton, G.D. 4603
Eastwood, M.A. 12735.
Easty, D.L. 7088.
Eaton, J.W. 4515
Eaton, L.R. 6873.
Eaton, R.P. 4203
Ebel, J.-P. 6595.
Ebel, J.P. 4828, 6593
Eberhard, M.D 2915
Eberhart, R.J. 4544
Eberle, M.W. 6391.
Eberlein, D. 5284.
Ebersold, H.R 8885
Ebersole, J.L. 3231, 9064
Eberspaecher, J. 5675, 9295.
Ebina, Y. 5814, 9674
Eble, A.F 610
Ebner, H. 5240
Ebrahim, S.B.J. 3552.
Ebrey, T.G. 7409
Ebright, J.R. 7167
Ebright, R.H. 5699.
Ebringer, A. 522, 523
Ebringer, L. 8695.
Eccles, J.A. 3638.
Eccleston, J.F. 1455, 4812.
Echandi, E. 5558, 12106, 12132.
Echarti, C. 6764
Echevarria, M.C. 3533.
Echeverria, P 991, 5319, 5957.
Echeverria, P.D. 3363.
Eck, W. 5709
Eckardt, K. 6774, 7492.
Eckardt, V.F. 839.
Eckblad, W.P. 13387.
Eckenrode, C.J. 1248, 8136.
Eckroade, R.J. 6341.
Economou-Amilli, A. 1231.
Eda, T 7094, 10009
Edan, G. 13279.
Edberg, S.C. 5433
Eddy, D.O. 13024.
Eddy, J.L. 5375.
Edebo, L. 1330, 1841.
Edelman, I. 12833
Edelstein, P.H. 803, 1257, 2007, 2524, 3343, 7798, 9119
Eden-Green, S.J. 3659, 7307, 13449, 13453
Eden, C.S. 6223.
Eden, T. 3465
Edenharder, R 9623, 9661.
Edens, F.W 4242.
Edgar, J.A. 2964, 7912.
Edgar, W.M. 1351, 1963, 2632, 3640, 6958
Edger, N.F. 1687.
Edgerton, M.E. 2604
Edlich, R. 10524
Edlinger, E. 7084.
Edlund, M.-B.K. 12947
Edlund, T. 2878
Edman, D.C 7289.
Edman, J.B 968.
Edmeades, R. 4418.
Edmonds, J.P 4324
Edmondson, A.S. 3517.
Edmondson, R.A. 348.
Edmonson, M.B. 11999
Edmunds, D.H. 13103.
Edmunds, M 6818.
Edsall, G. 3258
Edson, D.C. 12885.
Edvabnaya, L.S. 7915.
Edward, C. 11555.
Edward, W.A. 9366
Edwards, C 2489, 2680, 2753.
Edwards, D.G. 7450, 10794
Edwards, E.A. 6177.
Edwards, G.S.,Jr. 943
Edwards, J 6847
Edwards, J.G. 12592.
Edwards, J.H. 7938.
Edwards, K. 1459, 2706.
Edwards, K.M. 3206, 11611.
Edwards, L. 13226.
Edwards, L.D. 1958.
Edwards, M.S 608, 2275, 4459, 7057, 7123
Edwards, P.T. 8914
Edwards, R 2811
Edwards, S. 4554, 11578
Edwards, W.A. 7243.
Edwardsson, S. 705, 1629, 4675
Efimov, V.I. 5960
Egan, A.F. 9552.
Egan, I.T. 4301.
Egan, W. 4261.
Egawa, K. 6011.
Egawam, K. 11513.
Egbert, P.R. 6871.
Egelberg, J. 6157
Eger, E.I., II 1986
Egerer, P. 7563, 7565.
Egerton, J.R. 629, 653.
Egger, T. 5333.
Eggermont, E. 4442.
Egorov, A.M. 8611.
Egorov, N. 7488.
Egorov, N.S. 10997, 11018, 11216, 11415, 12493, 12598, 12709, 12873.
Egorov, Y.P. 12367.
Egorova, L.A. 12417.
Egoz, N. 10515.
Egreteau, J.P. 2220, 10628.
Eguchi, G. 4027, 4939
Ehrenberg, A. 8560.
Ehrenfeucht, A. 6573.
Ehrengut, W. 11633, 13058.
Ehrenkranz, N.J. 4443, 10568, 10599
Ehresmann, B. 6595.
Ehrich, M 3157.
Ehrlich, M. 6726
Ehrlich, R. 272, 2338, 6571, 6590.
Ehrlich, S.D. 5034, 12828, 12850
Ehrlich, S.L. 3446.
Eibl, H. 4917
Eickhoff, T.C. 10504
Eide, J. 10467
Eidelman, E. 1961.
Eidels, L. 10076, 10083.
Eidsaa, G. 1133.
Eidson, C.S. 1887.
Eiferman, R.A. 10453.
Eigenbrodt, E.H. 3382
Eiki, H. 2976.
Eiland, F. 8196
Eilert, U. 432, 3075.
Eilon, L.A. 10444
Ein, M.E. 2007
Einarsson, S. 13124
Eis, R.L 1909.
Eisbrenner, G. 6549
Eisenberg, A.D. 10872.
Eisenberg, D. 4005.
Eisenberg, E. 3762.
Eisenberg, R. 10138.
Eisenberg, R.C. 12559.
Eisenberger, F. 363.
Eisenberger, P. 8478.
Eisenbery, H.W. 4413.
Eisenstadt, E. 11052.
Eisenstark, A. 8717.
Eisenstein, B.I. 5843, 10170, 12349, 13003.
Eisenstin, T.K 6862.
Eitner, R. 4975.
Ekelund, G.. 1015.
Ekiel, I. 8364.
Eklund, T. 8819
Eksteen, N. 3635
Ekstroem-Jodal, B. 12984.
El Azhari, G. 85.
El Beit, I.O.D 8185.
El Hassan, A.M. 10378.
El Jack 85.
El Kholy, A. 2269, 3225.
El Kholy, M. 3926.
El Sanousi, S.M. 85.
El Sayed, S.A.K. 5599.
El Soda, M. 4937, 5789.
El Solh, N. 2937, 12850.
El-Adawy, A. 13468, 13469, 13470.
El-Dimerdash, M.Z. 13379.
El-Diwany, A.I. 2968.
El-Feraly, F.S. 448.
El-Gendy, S.M. 2422.
El-Halfawy, K.A. 6845.
El-Hawaary, S. 8843.
El-Keltawi, N.E. 4214.
El-Keltawi, N.E.M. 7858.
El-Kersh, T.A. 11374.
El-Maghraby, A. 449.
El-Masry, N.A. 3376, 11535.
El-Naga, S.A.A. 2443.
El-Naggar, A. 7936.
El-Registan, G.I. 11022, 11473, 12411.
El-Shazly, K. 3555.
El-Sheikh, H. 3445.
El-Shinnawi, M.M. 1218, 2443.
El-Sissi, M.G.M. 12380.
El-Zawahry, Y.A. 2659.
Ela, S.W. 12119.
Elagina, L.V. 10486.
Elander, R.P. 8568.
ElAttar, T.M.A. 716.
Elazhary, Y. 1096.
Elbe, B. 11
Elbein, A.D. 1336, 6774.
Eldandi, V.V. 676.
Elder, E. 9092.
Elder, E.M. 10321.
Eldh, J. 5463
Eldridge, D.W. 4539.
Eldridge, J. 3352, 11835.
Elegbe, I.A. 11655.
Eley, A. 351, 3010, 3024, 6811, 9946.
Elfverson, J. 12984.
Elharrif, Z. 9258.
Elia, A. 5434.
Eliachar, I. 11686.
Elian, I. 3269
Elias, B. 1255.
Elias, P. 3899
Elin, R.J. 3144
Elinder, G. 7127.
Eliopoulos, G.M. 340, 9990, 12005
Elisashvili, V.I. 12617.
Elisberg, B.L. 1135, 2244.
Elisha, G. 401.
Elkan, G.H. 1163, 1441, 1528, 3682
Ellar, D.J. 2602, 2619, 8352, 8353.
Ellard, G.A. 3277.
Ellear, D.J. 11241.
Ellefson, W.L. 7491, 8607.
Ellegaard, J. 6136.
Ellen, R.P. 516.
Ellenbogen, C. 749, 13320.
Ellfolk, N. 4866
Ellinghausen, H.C. 8089.
Elliott, E.T. 4747, 9437
Elliott, J. 9283.
Elliott, J.I. 11106, 11151.
Elliott, L.P. 1281.
Elliott, M. 6942, 7789.
Ellis-Pegler, R.B. 3372, 10349, 10429, 11731, 11888.
Ellis, A.R. 3337.
Ellis, D.V. 9550.
Ellis, M. 7010.
Ellis, M.A. 2460.
Ellis, M.E. 904, 8069, 10428.
Ellis, M.N. 1887.
Ellis, P.D.,Jr. 9737
Ellis, R.E. 913.
Ellis, W.A. 1084, 4536, 6351, 7265
Ellison, S.A. 7312.
Ellner, J.J 3205.
Ellner, J.J. 3225, 6924, 9174.
Ellner, P.D. 1305, 2540, 3789, 8023.
Ellwardt, P.-C. 7435.
Ellwood, D.C. 5812, 6495.
Ellwood, M. 6699.
Elmer, G.W. 5449.
Elmerich, C. 1605, 8688.
Elmore, R.G. 6020.
Elmros, T. 3425.
Elo, J. 875, 5404, 11813, 11822
Els, H.J. 1349.
Elson, D. 5714, 11072.
Elson, M.K. 11511.
Elson, S.W. 7754.
Elsser, R. 9938, 13062.
Elster, A.B. 2051.
Elwan, S.H. 7289.
Ely, B. 6704, 6767.
Ely, J.K. 2371.
Ely, S. 9873
Ema, M. 10106.
Emanuelli, M. 7623.
Emayavaramban, N. 12587.
Embden, J.G.H. 10278.
Embil, J.A. 910, 13039.
Emechebe, A.M. 5494.
Emerich, D.W. 2454.
Emerson, S. 7477.
Emerson, T.E.,Jr. 1832, 5174, 5179.
Emeruwa, A.C. 6523, 11152.
Emery, F. 8728.
Emilie, D. 13283.
Emilson, C.-G. 5284
Emilson, C.G. 728, 5446, 12042.
Emman, K. 3949
Emmerling, P. 8991.
Emmerson, P.T. 5840.
Emmerson, W.D. 2493.
Emmons, R.W. 1031.
Emnova, E.E. 12348.
Emori, T.G. 10522, 10526, 10530, 10577, 10585, 10590.
Emory, W.H. 6349.
Emptage, M.H. 8518.
Emr, S. 8531.
Emtseva, T.V. 4658
Enbergs, H. 4724.
Enciso, M.D. 11383
Endicott, J.N. 8041.
Endina, O.V. 13289.
Endo, H. 7810, 11421.
Endo, K. 6013.
Endo, T. 4098, 4852, 4959.
Endo, Y. 119, 1834, 10095, 10096.
Endoh, M. 6092, 11253.
Eneroth, P. 11514.
Enfors, S.-O. 12700.
Eng, J. 1260.
Eng, R.H.K. 9977.
Engbek, H.C. 12010.
Engel, A. 7498, 11108.
Engel, H.W. 6257.
Engel, H.W.B. 1313, 2555, 5583.
Engel, P.J. 11910.
Engel, S. 597.
Engelhardt, G. 4756, 8428.
Engelhardt, H. 1537.
Engelman, D.M. 3903, 4783.
Engelmann, C. 9122.
Engelmann, R. 7526.
Engels, G.B. 4655.

Engels, W. 3781.
Enger-Valk, B.E. 4971.
Engert, F. 4237.
Engert, R.F. 11638.
England, A.C. 10354.
England, J. 3625
Englande, A.J. 107.
Engle, E.C. 5701.
Engle, J.C. 7002.
Engle, W.D. 966.
Engler, J.A. 4796.
English, A.R. 361.
English, D. 6896.
English, D.H. 6314.
Engstroem, A. 543.
Engstrom, P. 8373.
Engvall, A. 5772
Enjalbert, A. 3513.
Enjalbert, L. 3513, 9127
Enns, C.A. 4910.
Enokita, R. 4160.
Enomoto, A. 12031
Enomoto, M. 4738.
Enquist, L.W. 9850.
Ensign, J.C. 6526.
Ensley, B.D. 2688, 5668
Ensminger, P.W. 7759.
Ensor, M. 1591.
Entani, E. 425.
Entringer, M.A. 4342, 5234
Envey, R.D. 9117.
Enwonwu, C.O. 13115.
Epifanie, J.L. 4462.
Epps, L.R. 3829.
Epremenkova, O.V. 1697
Epremyan, A.S. 11213.
Epshtein, A.E. 428.
Epstein, B. 2015
Epstein, J.S. 9216.
Epstein, M. 882, 5152
Epstein, W. 255, 9985.
Erani, E. 7150.
Erasmie, U. 10445.
Erb, L. 12884
Erdman, S.H. 13022.
Erdmann, V.A. 11066.
Erecinska, M. 3135, 10966
Eremin, V.A. 12411.
Eremina, S.S. 567.
Erfle, J.D. 6489.
Erhardt, V.G. 7283
Erickson, A.D. 6143.
Erickson, L.E. 10986
Erickson, R.C. 3019.
Ericson, T. 3236, 3266, 3305.
Ericsson, C.D. 5367.
Ericsson, Y.E. 3286
Eriksen, J. 7920.
Eriksen, K.R. 12026
Eriksen, M. 529.
Erikson, R.L. 9862
Eriksson, I. 3454.
Eriksson, M. 7127.
Eritt, I. 2960, 7733, 11251.
Erkenbrecher, C.W.,Jr. 12158.
Erler, W. 4947.
Erlichman, M. 2090
Ermachenko, V.A. 11452
Ermakova, G.N. 12873.
Ermolov, V.I. 7821, 9930
Ernest, K.D. 7792.
Erno, H. 4704.
Ernst, H. 11042.
Ernst, L. 7435.
Ernst, P. 10889.
Erny, R. 2185.
Erojikwe, E.E. 9337.
Eroshina, N.V. 12404, 12562.
Eross, J. 2129.
Erova, T.E. 12548.
Errasti, C.A. 9139.
Errington, J. 2854.
Ersek, T. 5504.
Ersing, C.P. 6446.
Ertola, R. 10866
Eruslanov, B.V. 5419.
Erwerth, W. 3746.
Esaki, N. 5750.
Esber, H.J. 3188.
Escamilla, E. 821.
Escande, A. 10257
Escande, J.P. 13243.
Escarment, J. 9255.
Escauriaza, J. 9312, 11959
Esch, G.W. 6895
Eschenbach, D.A. 7041, 10117, 11802.
Escobar, E. 9298
Escoula, L. 6202, 9322, 12951.
Escudero, J. 2146.
Esener, A.A. 12461
Eshdat, Y. 1371, 6485
Eshelman, J.E. 4544.
Eskew, D.L. 4642.
Esmatjes, E. 13213.
Esparza, H. 4245
Espersen, F. 786, 1373, 3331, 8539, 8931, 8979, 11571, 13023.
Espinasse, J. 5461.
Espinosa, M. 1437, 1644, 6730, 6739, 12324, 12765.
Espinoza, L.R. 1010.
Espriet, G. 3453.
Espuny Tomas, M.J. 459.
Espuny-Tomas, M.J. 12115.
Essary, E.O. 12038.
Essell, J.W. 9733.
Essenberg, M. 12101, 12107, 13442.
Esser, A.F. 5225
Esser, K. 12834.
Esser, M. 6478.
Essers, L. 9557.
Essig, P. 11226
Estanol, B. 7064
Esteban, R. 11169.
Esterly, N.B. 11899.
Esteve, M.I. 2743.
Estrade, C. 10191.
Etchevers, J.D. 6409
Etesse, H. 3495.
Etheridge, J.R. 2210.
Ethier, R. 1096
Etienne, J. 6275.
Etienne, M. 13258
Eto, M. 632, 1267.
Etowski, D.C. 2520, 4167
Ettekoven, H. 10221
Ettensohn, D.B. 9108.
Ettler, P. 8748
Ettlinger, L. 8599.
Eucher-Lahon, M. 7825
Eule, H 1996
Euller, L. 3495.
Eustis, S.L. 2343.
Evaldson, G. 12943.
Evans.,D.J., Jr. 663
Evans, A.F. 739.
Evans, B.A. 8009, 9162.
Evans, C.A. 9614.
Evans, D.A. 8000.
Evans, D.G. 807.
Evans, D.H. 8513.
Evans, D.J., Jr. 807
Evans, D.R. 12630.
Evans, H. 3318, 7611
Evans, H.E. 13179.
Evans, H.J. 2454, 3700, 6549.
Evans, J.D. 11230.
Evans, J.E. 11930.
Evans, J.P. 5238.
Evans, M.E. 9225, 9978
Evans, P.E.L. 6278.
Evans, R.H.,Jr. 2983
Evans, R.J. 4328.
Evans,D.G. 663.
Evdokimova, M.D. 11009
Eveleigh, D.E. 11288
Eveno, J. 5914.
Evensen, K.B. 4625
Everard, C.O.R. 10708
Everett, R. 11316.
Everhart, D.L. 13045.
Everingham, F.A. 616.
Evers, F.H. 12088
Evers, H. 1996.
Evers, J.L. 4659.
Evers, S.E. 10326.
Evian, C.I. 598, 4372.
Evrard, J. 3523, 10457
Evstigneeva, Z.G. 12667
Ewards, B.F.P. 12630.
Ewart, J.M. 5499.
Ewf, K. 839.
Ewing, D. 5983, 12447, 12952.
Ewing, S.A. 8901, 10697.
Exconde, O.R. 7298, 7323, 9422.
Exner, M. 7848.
Expert, D. 6731, 11299.
Exterkate, F.A. 5786.
Eykyn, S. 8014.
Eykyn, S.J. 4516.
Eykys, S. 8043.
Eylan, E. 9128, 13392.
Eyles, M.H. 5338.
Eyssen, H. 5264, 7224.
Eyssen, H.J. 12613.
Ezaki, N. 2970, 2971, 2973, 7722, 11190.
Eze, M.O. 2584.
Ezekiel, D.H. 12754, 12782.
Ezepchuk, Y.V. 4012, 4231, 5149.
Ezura, Y. 2389, 9563

Fabbri, A. 11886.
Faber, W.R. 10227.
Fabig, W. 102.
Fabio, J.L.D. 4945.
Fabio, V. 4349.
Fabres, G. 6397.
Fabri, P.J. 4751.
Fabricius, L. 11687.
Facklam, R.R. 1711, 3926, 6026, 6481, 13151.
Facklam, T.J. 8411.
Fadda, G. 5184.
Fadeeva, N.I. 1771.
Faden, H. 2015, 2131.
Fader, R.C. 9699.
Faehnrich, P. 4749.
Faelen, M. 1649.
Fagan, L.F. 5389.
Fagelman, K.M. 2188.
Fagerberg, D.J. 4218, 5455, 6834, 13406.
Fahlbusch, B. 9010.
Fahlbusch, K. 238, 4071.
Fahnestock, S.R. 4809, 4826.
Fahrenkrog, M.C. 4271.
Faich, G.A. 7980, 10525.
Faine, S. 3163, 8996, 11536.
Fainstein, V. 341, 3268, 3368, 3796, 5415, 5445, 6805, 9104, 9929, 9937.
Fairbanks, B.C. 6407.
Fairbanks, D.N.F. 3336, 6992, 11863, 13132.
Fairbrother, J.M. 1116.
Fairchild, T.P. 10656.
Fairclough, D.L. 11745.
Fairley, K.F. 2068, 2069.
Fairweather, N.F. 8437.
Fajardo, T.T. 694.
Fakuda, H. 181.
Falade, S. 7263.
Falbo, V. 4230, 9996, 12982.
Falcao, D.P. 10359.
Falcieri, E. 10157.
Falcone, G. 2793, 4314, 10220.
Faleev, N.G. 7539.
Fales, W.H. 1758, 7842, 7870, 9992, 12990.
Falgout, H.J. 11500.
Falisevac, J. 10617.
Falk, V.W. 637.
Falk, W. 4336, 13057.
Falkiewicz, K. 11589.
Falkiner, F.R. 5087, 7103.
Falkinham, J.O.,III 6440.
Falkinham, J.O.,III. 3997.
Falkler, W.A.,Jr. 10816.
Falkoff, R.J.M. 11623.
Falkow, S. 89, 917, 2934, 6753, 7655, 7701, 7995, 12843.
Falkowski, W.S. 11824.
Falksen, K. 8567.
Faller, A.H. 5689
Faller, J.-P. 2246
Fallon, R.D 9473.
Fallon, R.J. 8898
Falmagne, P. 11478.
Faltus, I.I. 8712.
Fan, C. 11634.
Fan, M.-W. 3247.
Fan, Q.-L. 13013.
Fan, S.-T. 12853, 12861.
Fanfani, A. 9242.
Fang, A.D. 12858.
Fangmann, B. 13278.
Fanney, D. 4477.
Fannin, T.E. 3839.
Fanning, G.R. 26, 27, 28, 29, 156, 1315, 2574, 6484, 7261.
Faogali, J. 11888.
Fara, G.M. 30, 1318, 4310, 4352.
Farack, U.M. 5178.
Faraone, A. 3991.
Farber, B.F. 190.
Fardeau, M.-L. 10989.
Fareed, J. 8891.
Farer, L.S. 6194
Farias, R.N. 5147.
Farid, A. 1162.
Farid, A.F 8344, 9492.
Farid, Z. 3376, 11535.
Faris, A. 7923, 10356.
Farkas, A. 2090.
Farley, L.B. 12928.
Farmer, H. 6359.
Farmer, J.J.,III 2297.
Farmer, J.J.,III. 3485, 7261.
Farmer, J.J.III 6484.
Farmer, S. 11553.
Farmer, T. 5758, 11166.
Farnell, G.K. 1184.
Farnell, M.B. 9311.
Farnham, P.J. 5723, 11080.
Faro, S. 2011, 9221.
Farquhar, J.D. 6121.
Farr, B. 11368.
Farran, I. 4632.
Farrand S.K. 5956.
Farrar, W.E. 10605.
Farrell, J.J. 10062.
Faruk, E.A. 7754.
Farver, T.B. 1080.
Fasano, O. 9686.
Fass, J. 6791.
Fass, R.J. 339, 7765.
Fassio, G. 5361.
Fassler, J.S. 12776.
Fasth, A. 6223.
Faubion, C.L. 4320.
Faucher, D. 891.
Fauchere, J.L. 3201, 12888.
Fauchier, C. 3493.
Fauci, A. 11623.
Fauci, A.S. 11602.
Faucon, J.P. 11450.
Faulkner, R.S. 3321.
Fauque, G. 8587.
Faure-Raynaud, M. 3729.
Faure, G. 5400.
Faurie, G. 5524, 10798.
Faurisson, F. 12894.
Faust, M.A. 8202.
Faust, R.M. 4113, 5150, 10980.
Fauteux, J. 12382.
Favelukes, G. 12685.
Favero, M.S. 1833.
Favre, A. 3915.
Favre, R. 9848.
Favreau, M.A. 11095.
Fawcett, A. 4448, 10390.
Fawcett, C.J. 4197.
Fay, J.P. 5147.
Fayat, G. 5707, 5716.
Fayet, M.-T. 656.
Fayet, O. 5877, 8716.
Fayle, D.R.H. 1589.
Fayolle, R. 3048.
Faysse, D. 6275.
Fazio, S.D. 3734.
Fazzone, U. 10629.
Feary, T.W. 3260, 3861.
Featherstone, J.D.B. 13115.
Fedder, J. 5076.
Feddersen, C. 12026.
Feder, H.M.,Jr. 7154, 13220.
Federic, F. 10019.
Federici, B.A. 8131, 12085.
Federicova, J. 315.
Fedorova, T.A. 428.
Fedoseeva, V.B. 11333.
Fedukowicz, H. 5426.
Fee, J.A. 4067.
Feeley, J.C. 1844, 2285, 4248, 4249, 7142, 8758, 9662, 10660, 10895, 10906, 10909, 11976.
Feeley, T.W. 1986.
Feeney, J. 5748, 7553.
Feenstra, P. 10666
Feenstra, W.J. 9456.
Feery, B. 9056.
Fees, H. 4869.
Fegus, S. 13272.
Feher, G. 8478, 11123.
Fehlhaber, K. 3864.
Fehrenbach, F.-J. 11507.
Fehrenbach, F.J. 1496.
Feick, R.G. 6548.
Feierabend, T.C. 8970.
Feige, U. 8639.
Feigin, R.D. 5336, 9176, 9309, 10322.
Feigl, M.H. 3602.
Feinberg, E.L. 1382.
Feinberg, W. 796.
Feingold, D.S. 10032.
Feinroth, M.V. 1027.
Feist, H. 4947, 5300.
Fejerskov, O. 720, 3299.
Fekete, E. 11672.
Fekety, F R. 3603
Fekety, R. 4415, 7005, 7017, 10380, 11413.
Feldhaus, R.W. 11192.
Feldick, H.G. 1937.
Feldman, A. 5982.
Feldman, R.A. 2049, 11763.
Feldman, R.S. 13097.
Feldman, W.E. 11850, 11937.
Feldmann, J.L. 5416.
Feldmann, K. 9, 8280.
Feldner, H. 5240.
Feldner, J. 73, 2620, 9600, 11995.
Feleke, E. 13239.
Felgenhauer, B. 4072.
Felix, A. 12590.
Felix, H.R. 9598.
Felix, J.-F. 4645.
Felker, A.Ya. 6949
Felker, P. 10795.
Feller, A. 1586, 12507.
Felman, Y.M. 2154, 6248, 9805, 10436, 10440, 13224.
Felsenfeld, O. 1046.
Feltham, R.K.A. 1297, 2559.
Felzenswalb, I. 6568
Fenchel, T. 12164.
Fendrik, J. 13502
Feng, D.X. 12852.
Feng, J.S. 5693, 9852.
Fenger, C. 928.
Fenical, W. 1695.
Feniova, I.Y. 10729.
Fenlon, D.R. 6473.
Fennel, C.L. 917.
Fennelly, J.J. 4492.
Fenner, A. 9124.
Fennewald, M.A. 8610,
Fenoglio, J.J.,Jr. 10468
Fenoll, A. 3404.
Fenster, H. 2081.
Fenters, J.D. 2338.
Fera, M.T. 2575.
Feral, J.P. 129.
Ferapontov, G.K. 10063
Ferber, D.M. 6704.
Ferec, C. 10207.
Ferenc. B. 3629.
Ferez-Diaz, J.C. 5933.
Ferguson, D.V. 5452.
Ferguson, H.L. 1028, 10
Ferguson, K.P. 7384.
Ferguson, M. 3028.
Ferguson, M.W.J 3845,
Ferguson, S. 1113.
Ferguson, S.J. 4778, 836 8477, 12355, 12471.
Ferial, M.L. 9061, 11644
Ferin, J. 1738.
Ferlauto, J.J. 7038.
Ferlin, M.G. 11454.
Ferluga, J. 536.
Fermand, M. 13350.
Fermont, L. 9235.
Fernandez-Lago, L. 1300
Fernandez, A.J. 2266.
Fernandez, F. 2215.
Fernandez, J.L. 7072.
Fernandez, J.L.D. 7139.
Fernandez, R.A. 4526.
Fernando, A. 9096.
Fernando, L. 6302.
Fernando, R.S 10657.
Ferne, M. 8109.
Ferney, J. 7239, 9351, 11
Fernie, D.S. 11777.
Fernley, R.T. 4867.
Feroli, E.J. 761.
Ferracci, C. 5222.
Ferrand, B. 4454.
Ferrando, J. 4363.
Ferrara, P. 12783
Ferrari, A. 944.
Ferrari, E. 12011.
Ferrari, P. 2965.
Ferraro, R.A. 4863.
Ferre, P. 6980.
Ferreira, J.L. 3122.
Ferreiro, L. 6464, 7266, 78
Ferrer, O. 10426.
Ferrer, X. 5293.
Ferrera-Cerrato, R. 12123.
Ferretti, G.A. 13109.
Ferretti, J.J. 461, 6001, 60 7684.
Ferrieri, P. 11744.
Ferriss, R.S. 5512.
Ferry, D. 1347.
Ferry, J.G. 12437.
Fersht, A.R. 11049, 11122.
Fery, A. 935.
Fesce, E. 13171.
Fessler, J.F. 3139.
Festa, M. 372.
Festenstein, H. 10185.
Fett, W.F. 10749, 12091, 1 13440.
Feucht, C.L. 3283.
Feuerman, E.J. 3288.
Fevolden, S.E. 1133.
Fey, H. 6875.
Ficarra, M. 224.
Fickweiler, E. 1943.
Fidler, J.P. 10547.
Fidoe, R.G. 7983.
Fiechter, A. 7456, 11021, 11033, 11034.
Fiedler, F. 12523.
Fiedler, H. 4010.
Fiedler, H.-P. 293.
Fiedler, H.P. 2985.
Fiehn, N.-E. 13067, 13093.
Field, C. 627.
Field, J.G. 6434.
Field, L.H. 1086
Field, M.R. 13212.
Field, R. 583.
Fieldsteel, A.H. 3218.
Fierlinger, U. 3780, 4121, 4344, 4555, 4585.
Fiers, W. 5028, 8678.
Fietta, A. 531, 532, 2919,
Fietzek, P.P. 5743.

ve, R. 12189.
gueiredo, A.M. 4126
gueiredo, A.M.S. 5855
gurski, D.H 12839
in, S. 13202
l, N.P 12542
ces, B.J 1865
chte, B.A. 10953, 12289
atova, Z.A 2497
czewski, M 4566
e, T.M.,Jr 8002, 9099,
10461, 13122
ler, D. 2871
lho, L.S 7959
lho, P P.G 7959
lcheva, V.A 11363
lipe, G. 999.
lippov, V.A. 11343
lippov, V.D 6845
llingame, R.H. 5751, 8564
llipov, V.A. 12871
lstien, M.R. 767.
lutowicz, M. 12651, 12790
mmel, A.L. 1587
nan, T.M 1384
nancsek, I. 10017
nberg, R W 11574
nch, J.T 11168
nch, R 9109.
nch, R G 3334
ndlay R.F 11520, 11521
ndlay, R.H 3734
ndlay, S E.G 12179
ndlay, W I 7335
ndler, G 6239
ne, D P 3215, 3224
ne, J D 11947
ne, M 6237
ne, P.R 13337
negold, S 13070
negold, S.M. 680, 803, 2524,
3014, 4880, 5401, 6813, 8052,
9119, 9217, 9945, 10604, 11656,
13121, 13260
inegolf, S.M 8851
inger, H. 1914, 6116
inger, L.R. 7521
iniguerra, M. 10352
ink, J. 10052.
ink, J.N. 3175, 5307
inkelhor, R.S 4422
inkelstein, A. 1818
inkelstein, R.A 471, 10111
inkelstein, Z.I 1393
inlay, A. 6388
inlay, W.E.I. 7144
inlayson, J 5262
inley-Price, K.G. 8027
inley, R.K.,Jr. 11885
inn, G 8004
innegan, O.C. 795
Finnerty, R.U 3506
Finnerty, W.R 2688
Finney, R.P 11827
Finnimore, P M. 6368
Finsterbusch, L. 7930
Finzi, G. 412
Fiore, C 9274
Fioretto, A.M.C 7481
Firehammer, B.D 3597
Firestone, A.R. 1956, 13375
Firestone, R.B. 4628
Firon, N 8381
First, M 11640
First, M R 10547
Firstenberg-Eden, R 5127
Fisch, G.R 647
Fischbeck, K.H 1822
Fischer, C. 2417, 11764
Fischer, D. 2222.
Fischer, E. 5939
Fischer, H.F 194
Fischer, J. 11723.
Fischer, J.R. 8419
Fischer, K. 3162, 6929
Fischer, M 3497, 7963
Fischer, P. 1996
Fischer, R. 2160
Fischer, R.S. 2809
Fischer, S.H. 6909
Fischer, U. 8328
Fischer, W. 11094
Fischetti, V.A. 4844
Fischl, A.S. 12636.
Fischlschweiger, W.F 67
Fiser, R.H.,Jr. 10630
Fish, A.M. 12326, 12490, 12725
Fish, N M 7582.
Fishbein, D.B. 11839
Fishchuk, T.U. 12433, 12435
Fisher, C.J.,Jr. 995, 10130
Fisher, D.J. 4624, 12131
Fisher, E. 8808
Fisher, J 7667
Fisher, J.M. 5164
Fisher, J.P 11873
Fisher, K A 6803, 10535, 10538
Fisher, K E 4019, 4900
Fisher, M C 960
Fisher, R 8493, 9681
Fisher, S.M 2975
Fishman, P.H 4234, 5182
Fiss, E H 11120
Fiticheva, V.A 7651
Fitsialos, J 2178
Fitton, J.E 5151
Fitton, L 10524
Fitz-Gerald, C H 12601
Fitz-Henly, M 9250
Fitz-James, P 4021
Fitz-James, P.C 1618
Fitzgerald, D. 5175
Fitzgerald, D B 2036
Fitzgerald, G.L 8582
Fitzgerald, J E 6083
Fitzgerald, J W 4762, 7603
Fitzgerald, M.X 5087
Fitzgerald, R.J 2036, 3647,
5679, 8854
Fitzgerald, T 7366
Fitzgerald, T.J 4446, 9578, 10925
Fitzhugh, J K 3807
Fitzi, K 3072
Fitzpatrick, J.E 3436, 5349
Fitzpatrick, M 6548
Fiumara, N.J 2166, 11860, 13232
Fixa, B 6030
Flamant, R 10457
Flamm, J 3399
Flanagan, P 10818
Flandrois, J.P. 6275, 6281, 7767
Flannery, E.P 9218
Flashner, M 12606
Flashner, Y. 12869
Flatauer, F 9174
Flatauer, F.E 755
Flathman, P.E 7431
Fleck, W F 2960, 7733, 11251.
Fleet, G H 8837, 12058
Fleischer, A.L. 7879
Fleming, C.A 4540
Fleming, D O 6072
Fleming, P C 287, 5086
Fleminger, G 11167
Flensborg, E.W 12026
Flesher, A R 6048
Fletcher, G C 7294
Fletcher, J R 10081
Fletcher, J T 9402
Fletcher, M 9591
Fletcher, O.J 1887
Fletcher, R.D 438
Flett, F 2912
Fleurette, J 745, 6141, 6988,
9086, 10140, 11653, 11752,
13078
Fli, M 12853
Flicker, P F 1470, 4844
Flickinger, M.C 8420
Flier, V D 4284
Fliermans, C B 61, 5682
Flint, D.C 12971
Flint, L.M 771, 2188
Floc'h, F 10198
Florent, C 12013
Florenzano, F 12000
Flores-Barroeta, F 7064
Flores-Castro, R 12062
Florey, D W 3222
Floss, H.G 5895
Flossmann, K.-D 4947, 7930
Flouret, B 8516, 12704
Flournoy, D.J 3002, 5903, 8894
Flower, N. 6389
Flowers, M.W 1038
Floyd, D M. 7736
Floyd, J.F. 916
Floyd, M.M. 2578
Fluegel, R.M. 3776, 8702
Flynn, H.W.,Jr. 13334
Flynn, J.K. 10249, 10251
Flynn, S. 846
Focht, D.D 2464
Fock, R. 1677
Fodor, E. 12035
Fodor, F. 10030
Fodor, T. 7770
Foeldes, I. 6734
Foerster, K 3746
Fogel, D.A 8061
Fogel, S 8402
Fogelman, I 8032
Foght, J M. 7438
Fogliano, M. 6692
Fojtasek, C. 2505
Fojtikova, B. 10357
Folds, J.D 3405
Foley, W.D. 4429
Folk, J.C 978
Folkhard, W 2629
Follath, F. 11823
Follin, J -C 4613
Folliot, J -P 11953
Folmann, H 6567
Folsome, C.E 2653
Folta, C.A 2351
Foltermann, K.F 205, 12812
Fomenko, B.S 12298
Fomichev, V.N 3912
Fomina, I.P 9880, 10011, 10486
Fong, B.C 8880.
Fong, P.-J 12802.
Fonseca, J.L.M 7130.
Fontaine, E.A 10853
Fontaine, J.L. 1878
Fontan, C.F 2654
Fontana, A. 496, 4892
Fontana, I. 10595
Fontana, R 4172
Fontanges, R. 1444, 3244, 6117
Fontijne, P 9959
Foote, A.M. 8588
Foote, J 4059
Foote, R.H 10642
Footrakul, P. 215
Foppoli, C 8441, 8463
Forage, R.G 8623
Forbes-Faulkner, J.C 5054
Forbes, G.I 816
Forbes, P 11889
Forbes, S 11876
Ford, A.M. 5455
Ford, J M 6190
Ford, R.F 10404
Foret, M 6516
Forfang, J.C. 10102, 10125, 11490
Forget, A 6903
Forget, P 8570
Formal, S 5319
Formal, S.B 517, 5835, 9830
Forman, C 6931
Formanek, H. 9409
Formiga, L C.D. 11732.
Fornari, C.S 12854
Fornaro, P 7133
Fornasier, V 1105, 2192
Forrester, D.J 1049
Forsberg, C.W 7587, 12659
Forsen, R 8632
Forsgren, A 829, 1015, 1727,
3310, 7832, 11743.
Forst, S M 4350
Forster, A 10984
Forster, R.A 6149
Forster, R.K 11873.
Forster, S.M 9479
Forstreuter-Kuenstler, M 13529
Forsum, U 3210, 8923, 13204
Forsyth, G W. 1838
Forsyth, M E 4690
Forsyth, W.M 6370
Forteza-Rey, J 7074
Fortin, A.F 4044, 4935
Fortin, N 3456
Fortnagel, P 4741
Fortner, C.L 9205
Fortunato, A 531, 532
Foschi, D 7006
Fossati, G 3453
Fossepre, J.M 7355
Fossieck, B E 5375
Fossieck, B E ,Jr 9245
Fossum, C 9021
Fossum, K 5161
Foster, B.G 10070
Foster, C.S 1009
Foster, D L 4831, 8564
Foster, E.M 10097
Foster, J.W 261, 5765, 9920
Foster, K.J 11884
Foster, L.R 11489
Foster, M.A 8623
Foster, N.W 5513
Foster, R.C 8216
Foster, T.J 1679, 2597
Fothergill, J 5049
Fouace, J 11427
Fouace, J M 2937
Foucar, K 827
Foucault, J.P 13335
Fouche, M. 3520
Foulaki, K 9718
Foulke, G.E. 10130
Foulon, G 7195
Fountain, M W 605
Fourie, D T 7089
Fourie, P B 1988
Fournet, J.P 6980
Fournie, G.J 7944
Fournier, J 620
Fournier, J C 8199
Fourrier, A. 859, 9305, 10472,
13268
Fouts, K.E. 6761
Fowler, A V 6707, 8521
Fowler, J.M. 1917
Fowles, S.J. 795
Fox, A. 9589, 10138
Fox, B. 7615
Fox, C.L. 698.
Fox, G.E. 1449, 2564
Fox, J.G. 2351, 4565, 9368
Fox, J.M 319, 699
Fox, J M.K. 4699
Fox, L. 1787
Fox, L.K 12069.
Fox, P.F. 2891, 11184.
Fox, R.L. 5535.
Fox, W. 6177
Foye, W.O. 5139, 6624.
Fracalanzza, S.E.L. 5289
Fradkova, T.A. 11358
Fraenkel, D.G. 262.
Frahn, J.L. 2964.
Fraioli, J.P 810.
Fraisse, F. 2182.
Fralick, J.A. 6599.
Frame, P.T. 971.
Frampton, J. 11804.
Franceschi, G. 7774.
Francesconi, M. 5333.
Franchi, D. 9761.
Francis, A.J. 10790.
Francis, D.H 3155.
Francis, D.W. 465.
Francis, J. 3638.
Francis, M. 2873, 3937.
Francis, M.J.O. 2293
Francis, P.G 12050.
Francis, R.S. 10458.
Francke, E.L. 4532.
Franco, A. 350.
Franco, S.A. 13419.
Franco, S.J. 3294.
Frangione, B. 11555.
Frank, A.L. 5336.
Frank, E.S. 7913.
Frank, G.H. 1489.
Frank, H.A. 8475.
Frank, J 3959, 7602.
Frank, J.A.,Jr. 661.
Frank, M.M. 557, 8994, 10195, 10202.
Frank, S. 5709.
Frankel, R.B. 6498.
Frankl, O. 13284.
Franklin Raicht, R 13368.
Franklin, A. 277, 1746, 9863
Franklin, C 11555.
Franklin, D.A. 12063.
Franklin, F C.H. 2879.
Franklin, G.W 990.
Franklin, M.L. 6457.
Franklin, W 13064
Franks, M. 5856.
Franze, R 9828
Franzen, L.E 2830.
Frappier, F 8482
Frasca, G. 5233
Frasch, C.E 10435
Fraschini, F 805
Frasco, B.A 13522
Fraser-Chanpong, G.M 10708
Fraser-Smith, E.B 6118, 6251
Fraser, B A. 6932
Fraser, C.A.M 8910
Fraser, D W 742, 3482, 10354,
10510, 13151
Fraser, G.L 4528
Fraser, R A 8971
Fraser, R.S 13348
Fraser, W 10647
Frauenfelder, H.C 3139
Frautschy, S. 1695
Fray, A 9005
Fraysse, B. 9127
Frazier, J.J. 7068
Frazier, W 10334
Frech, E.R 9420
Freche, C 4382
Frederiksen, V.J 9118
Frederiksen, W 1316
Fredrickson, A G 4616, 6405
Fredrickson, H.L. 12712
Fredriksson, T 1933
Freedman, A.P. 11717
Freedman, L.R. 6077
Freedman, M.L. 6331, 7667
Freedman, R. 6694
Freeman, A.E 13381.
Freeman, A.P 2235
Freeman, E. 7972
Freeman, J. 2326, 3542, 10518,
10521, 10570, 11879
Freeman, J.D 10496
Freeman, J.P. 13064
Freeman, R.B. 969, 10384
Freeman, Z.S. 2235
Freer, J.H 7923, 11101, 11504.
Freese, E. 2612, 6532, 6632,
9647, 12338.
Fregnan, R.C. 11664.
Frehel, C. 4221
Freier, B 1945
Freifelder, D 7674
Freimer, E.H. 8766
Freist, W. 3979, 5741
Freitag, V. 7016.
French, E.R 10737
French, G 8060
French, G.L 2548
French, R.A 8126
French, W.J. 5503, 9551
Frengley, J.D. 4422
Freour, P. 9120
Frere, J.-M. 4914, 4915
Frere, J.M. 12584
Freter, R. 75, 76, 81, 82.
Fretwell, M.D 10967
Freudenberger, J.S. 9913
Freund, L.G. 1982
Freund, M. 4877 4886, 9301, 13277
Freund, T.S. 4035, 4891
Freundlich, L F. 8913
Freundlich, M. 2873.
Freundlieb, S. 8601
Freundt, E.A. 3611, 9568.
Frey, H.M. 1925
Frey, P. 8044
Frias, R. 3690.
Friberg, J. 2519
Fribourg-Blanc, A. 4456
Fricke, R. 10611
Fridkin, M. 5152.
Fridlevski, A. 11733.
Fridovich, I. 4036, 6323
Friebolin, H. 1532.
Fried, D. 10372.
Fried, M. 3686
Fried, V.A 6622, 6711
Friedberg, E.C. 5854, 6615
Friedberg, F. 3961
Friedberg, M. 6219.
Friedel, U. 1062
Friedl, P. 2748
Friedland, G.H. 11875.
Friedlander, G. 2205.
Friedlander, I. 711.
Friedman, A.D. 5366
Friedman, B. 2518
Friedman, E.A. 1027
Friedman, E.M. 1989.
Friedman, G.D. 13198
Friedman, H 5383, 11582, 12884
Friedman, H.M 3086
Friedman, J. 7039
Friedman, R.L. 6910
Friedman, R.S 5388.
Friedman, S.M. 3553
Friedmann, H.C. 7618, 9671, 12577.
Friedrich, B. 8561, 12641
Friedrich, C.G 1553, 8561, 12641
Friedrich, I.A. 9292
Friend, E.J 2962.
Fries, D 3402, 4302, 7051.
Friesen, A. 5056
Friesen, J.D. 243, 1597, 6701, 6755.
Friesen, W.T 2268, 5330, 9147
Friesinger, G.C. 3478
Friesner, R. 8476.
Frieyro Segui, J.E. 7969
Frigeri, L.G 9811
Frigerio, M. 10164
Friis-Moeller, A. 5435.
Friis-Moller, A. 10382
Friis, N F 1083
Frik, J.F 10659
Friman, G. 7221
Frimodt-Moller, C. 867
Frimodt-Moller, N. 10451
Frioni, L. 8171, 8181
Frisch-Niggemeyer, W. 11985.
Frisch, C F 525
Fritsch, A 9826
Fritsch, P 13241
Fritz, P 7428
Fritz, R.W 1374.
Frnaz, R.D 410
Froehlich, B 255.
Froehlich, J L. 4241
Froeland, S.S 11568
Froescher, W. 4441
Frolov, A.F. 13049
Frolova, M.A. 578.
Frolova, T.T. 12569
From, E. 10188
Froment, Y. 2943, 5877
Fromm, H J 7572.
Fronda, G.R 7090
Front, D. 13221.
Frosch, D. 12285
Frosheiser, F.I. 10739, 13427.
Frost, A.J 380, 2365, 4567, 13399
Frost, J.A. 8744, 9907
Frost, S 6847
Frostell, G. 705, 6953, 8629

Frottier, J. 6269, 9297, 11715.
Fruchter. L. 3547
Fruchtman, R.B. 5307.
Frueh, H. 2766.
Fruehmorgen, P. 7028.
Fruehwald, A. 10754.
Frunzke, K. 6538.
Fry, D.E. 3630, 10446, 13407
Fryer, A. 4406.
Fu, K.P. 345
Fuchs, P. 11980, 11986.
Fuchs, P.C. 391, 5089, 6807, 6810.
Fuchs, R.L. 5818.
Fuchs, R.P.P. 11318.
Fuckui, T. 3958
Fudenberg, H.H. 799
Fueller-Baartz, F. 7806.
Fuerer, E. 10166
Fuglesang, J.E. 9973
Fuhrer, H. 2981, 6772.
Fujh, R. 996.
Fujihara, S. 8170.
Fujihashi, T. 3970.
Fujii, A. 7596.
Fujii, M. 5866.
Fujii, R. 895, 985, 2320, 3187, 4407
Fujii, S. 3919.
Fujii, T. 2248, 2782, 2784, 5576, 5746, 8163.
Fujii, Y. 6013, 11626.
Fujikawa, N. 3004, 4159.
Fujikawa, S. 6261, 12328.
Fujimaki, Y. 1998
Fujimoto, K. 9915.
Fujimoto, S. 4109.
Fujimura, S. 189.
Fujio, Y. 46, 123, 7633, 7634.
Fujioka, H. 10885.
Fujisawa, H. 6648
Fujisaws, N. 9879.
Fujishima, Y. 2436
Fujita-Yamaguchi, Y. 4837.
Fujita, H. 322, 2503
Fujita, K. 5437, 6946.
Fujita, M. 1740, 2316, 4534.
Fujita, N. 9452
Fujita, N.K 7215, 11938.
Fujita, T. 3950.
Fujita, Y. 6717
Fujiwara, A. 12914.
Fujiwara, H. 10189.
Fujiwara, K. 3574, 3575, 3955, 8581.
Fujiwara, M. 7743.
Fujiwara, T. 355, 1025, 2134, 3016, 3032, 4183, 4184, 4185, 7517, 8782, 11089
Fujiyama, K. 12538
Fujiyoshi, T. 11185.
Fujuwara, A. 7743.
Fukagawa, Y. 11359.
Fukami, K. 2496, 3866, 6437.
Fukasawa, K.M. 4006.
Fukase, H. 290.
Fukata, T. 4579.
Fukaya, K. 7762.
Fuke, H. 794.
Fuks, P.P. 13395
Fukuda, A. 4740, 5732.
Fukuda, D.S. 7561
Fukuda, H. 8580.
Fukuda, K. 2758
Fukuda, Y. 1908, 5018.
Fukuhara, K.-I. 12595.
Fukuhara, Y. 11297.
Fukui, S. 4055.
Fukui, T. 3960, 9768.
Fukumoto-Hato, M. 451.
Fukumoto, Y. 3565.
Fukumura, T. 7528, 8410, 8627.
Fukunaga, K. 869, 2738.
Fukushi, K. 10109.
Fukushi, S. 7328.
Fukushi, Y. 5239, 5328, 11598.
Fukushima, H. 8713.
Fukushima, K. 221, 2749.
Fukutome, H. 3909
Fukuyama, K. 3944.
Fulco, A.J. 4788, 6656
Fulghum, R.S. 6182.
Fulginiti. V.A. 611.
Fuller, C. 4181.
Fuller, R. 1044, 2330, 3809
Fuller, R.C. 142, 4723, 6548, 8479.
Fuller, R.W 2073.
Fuller, W.H. 9475.
Fulton, R.W. 13365.
Fultz, P.N. 1490
Fumarola, D. 4297, 6989, 7889, 12986.
Fumoux, F. 6079.
Funakoshi, S. 6099
Fung, D.Y.C. 6477.
Fung, J.C. 7903
Fung, W.-P. 72
Funk, C. 2907.
Funk, D.A. 13381.
Funke, P.T. 294.
Funke, R. 823.
Furano, A.V. 2871.
Furcht, L.T. 1331.
Furenhed, B.S. 8958.
Furey, W.,Jr. 7490, 8520.
Furman, B.L. 993, 3137.
Furnari, G. 1767, 4216.
Furniss, A.L. 9493.
Furr, P. 2192.
Furr, P.M. 3386, 3569, 8007, 9510, 10169, 10399.
Furtado, D. 2132, 4180.
Furtado, G.L. 12256.
Furuhata, K. 365.
Furuichi, M. 5718.
Furukawa, K. 12368.
Furukawa, Y. 1427, 7894.
Furumai, T. 7811.
Furusaka, C. 5145.
Furuta, J.A. 11645.
Furuta, K. 6381.
Furuta, N. 843.
Furutani, Y. 3108.
Fuse, H. 3622
Fusey, P. 129.
Fuska, J. 8653.
Fussell, S.J. 379, 725, 7839.
Fussle, R. 5172.
Fustec, E. 4748.
Fuster Lozano, M. 11960.
Futai, M. 6721, 6722, 8666, 11054.
Futral, J.G. 9395.
Futrovsky, S.L. 7387.
Fuxench-Lopez, Z. 7004.
Fuyama, S. 4243.
Fyfe, J.A.M. 397, 1566.

Gaafar, H.A. 11527.
Gaafar, S.M. 3577.
Gaastra, W. 514.
Gabarro-Arpa, J. 272, 6571.
Gabay, E.L. 4880, 8851.
Gabay, J. 7511, 8526.
Gabellini, N. 11154.
Gabig, T.G. 7937.
Gabignon, O. 12116.
Gabinskaya, K.N. 10997.
Gabler-Sandberger, B.H. 7131.
Gabler-Sandberger, E. 7129.
Gabler, A. 11911.
Gabriel, R. 1990.
Gabrielli, G.B. 5302.
Gabrielsen, J. 786, 3331
Gacek, V. 11607.
Gacouin, F.V. 13137.
Gadagkar, R. 7429.
Gadal, P. 2429, 10767.
Gadebusch. H.H. 9982.
Gadoth, N. 6868
Gadwood, K.A. 5315.
Gadzala, C.A. 4427.
Gaegauf-Zollinger, R. 6103.
Gaertner, H.-V. 9228.
Gaertner, K. 2302.
Gaertner, W. 3873.
Gaeuman, J.V. 5392.
Gaffin, S.L. 664.
Gaffney, D.F. 2597.
Gaffney, K.A. 767.
Gaffney, T. 5867.
Gafni, A. 6586.
Gafter. U. 13148.
Gagliardi, R. 1346.
Gahlot. A.K. 10085.
Gahnberg, L. 573, 9014.
Gaidar, Yu.A. 12979.
Gaiha, M. 10421.
Gaill, F. 129.
Gaillard, M.C. 6812.
Gaillat, J. 4444
Gailly, C. 8387, 11222.
Gailonskaya, I.N. 10063.
Gainer, B.J. 5425.
Gaines, C.G. 2817, 8616.
Gaitan, V.I. 12423.
Gaitonde, B.B 5223.
Gajdos, P. 6270.
Gakis, C. 4318
Galaev, Yu.V. 206.
Galakhova, T.V. 1825.
Galankin, V.N. 11728.
Galanos, C. 230, 8890, 10158
Galant, S. 11730.
Galant, S.P. 6091.
Galask, R.P. 10280, 11808
Galast, D.J. 5035.
Galatenko, O.A. 10932, 13461.
Galblum, L.I. 774.
Galbraith, N.S. 11889.
Galbreaith, J.D. 10651
Galchenko, V.F 12263, 12271
Galderisi, R. 9697.
Galdos, P. 1012.
Gale, J. 427.
Galelli, A. 10208.
Galgiani, J. 796.
Galgoczi, B. 1255.
Galiana, C. 7100.
Galiano, F. 11454.
Galitzer, S.J. 10876.
Galizzi, A. 2593, 8501.
Galkina, N.I. 13325.
Gall, Le. 11906.
Gallagher, B.M. 1766.
Gallagher. C.A. 9368.
Gallagher, I.H.C. 725.
Gallagher, J. 7228.
Gallagher, P.J. 11884.
Galland, R.B. 10520, 11965.
Gallant, J.A. 8685.
Gallardo, R.M. 2146.
Gallegos, T.A. 8115.
Galleguillos M., F. 11600.
Gallemore, G.M. 2012.
Galli, G. 10345.
Galli, M.G. 4310.
Gallina, M. 4288.
Galloway, R.W. 10360.
Gallucci, V. 3476.
Galluppi, E. 1318.
Gallyas, A. 11601.
Galpin, J.V. 1123.
Galsky, A.G. 3661.
Galsworthy, S.B. 10181.
Galuppo, L. 9274.
Galvez, B. 5293.
Galyean, M.L. 9627.
Galynina, N.I. 12467.
Galzy, P. 8613.
Gambacorta, A. 8643, 9667.
Gambert, S.R. 10529.
Gamble, C.N. 7942.
Gamble, D. 2382, 8092.
Gamborg, O.L. 4140.
Games, L.M. 4753.
Gammelgaard, P.A. 876.
Gamon, K. 11092.
Gan, E. 577, 1076, 2277.
Ganapati, R. 11670.
Gandiol, C. 11857.
Ganelin, V.L. 10011.
Ganesan, V. 784.
Ganeshaiah, K.N. 7320.
Gangadharam, P.R. 417, 4212, 4714, 6162.
Gangopadhyay, S. 5501.
Ganguli, D.D. 13249.
Ganguli, L.A. 7357.
Ganguly, U. 4086.
Ganiere, J.P. 4575, 8325.
Ganjam, V.K. 10680.
Ganji, S. 6972.
Ganju, P.L. 5038.
Gannon, J. 1060.
Gannon, J.E. 133.
Ganong, B.R. 1284, 6655.
Ganry, F. 9442.
Gansser, R. 9110.
Gantotti, B.V. 12448.
Garaev, M.M. 9880.
Garagulya, A.D. 12269.
Garagusi, V.F. 7017.
Garavito, R.M. 8553.
Garbara, S.V. 10995, 12376.
Garber, D.A. 4372.
Garber, E.A.E. 12425.
Garber, M.J. 1747.
Garber, N. 1857.
Garces, J.L. 8984.
Garces, J.L.G. 4246, 6876, 7072, 7139.
Garcia Iglesias, M.C. 9968.
Garcia Rodrigo, S. 7070.
Garcia San Miguel, J. 10426, 10609.
Garcia Sanz, M. 11960.
Garcia-Carrillo, C. 3768, 4327, 13052
Garcia-Del-Castillo, H. 3447.
Garcia-Fuentes, F. 11959.
Garcia-Iglesias, M.C. 938.
Garcia-Lobo, J.L. 7836.
Garcia-Melgar, M. 6829.
Garcia-Ortigoza, E. 3177.
Garcia-Patrone, M. 9690.
Garcia-Quintana, H. 4125.
Garcia-Rodrigez, L.K. 6520.
Garcia-Rodriguez, J.A. 8777, 8779, 9927, 10485.
Garcia-Sainz, J.A. 1910.
Garcia-Sanchez, J.E. 8777, 10485.
Garcia-Zabarte Casal, A. 5396.
Garcia, A. 2519.
Garcia, A.C. 10317
Garcia, C. 10398.
Garcia, C.E. 4752.
Garcia, C.S. 11948.
Garcia, E. 6728, 12304, 12324.
Garcia, F.S. 6876, 7072, 7139, 8984.
Garcia, J.-L. 9442.
Garcia, L.B. 10507.
Garcia, M. 6829.
Garcia, M.C. 1272.
Garcia, M.E. 6966.
Garcia, M.J.M. 12019.
Garcia, P 12304.
Garcia, P.P. 11383.
Garcia, R. 857.
Gardella, A. 9951.
Gardener, S. 13526.
Gardiner, T.M. 6173, 7025, 8015.
Gardiol, A. 12412, 12439.
Gardner, A. 6621.
Gardner, D.E. 2338, 7919, 11727.
Gardner, G.A. 8289.
Gardner, I.A. 13388.
Gardner, M.J. 5090, 5092.
Gardner, R.C. 284.
Gardner, R.W. 3586.
Gardner, S.D. 1596.
Garfinkel, D.J. 6769.
Garfunkel, A.A. 10201.
Garg, D.N. 5599.
Garg, F.C. 3089, 12944.
Garg, G.K. 4766, 7550.
Garg, R.K. 402, 403.
Garges, S. 7502.
Garibaldi, R. 1975.
Garibaldi, R.A. 2227, 10405, 11702.
Garibdzhanyan, B.T. 4206.
Garlaschi, C. 6780.
Garlaschi, L. 10345.
Garner, H.E. 1824, 10126.
Garner, J.S. 10530, 10577.
Garnick, J. 6952.
Garnier, J.M. 6267.
Garnier, M. 74, 3361.
Garrett, C.M.E. 13424.
Garrett, R.A. 6581.
Garrett, S. 1673.
Garrett, T.J. 10454.
Garrido-Pertierra, A. 2818.
Garrido, N. 7859.
Garrison, R.N. 10446.
Garrity, F.L. 6143.
Garrity, G.M. 10321.
Garrone, C. 7090.
Garrott, D.G. 10750, 13438.
Gartner, A. 11909
Gartner, R. 2171.
Gartner, S.L. 5166.
Garton, J.D. 13365.
Garty, B.Z. 4493.
Garty, H. 6565.
Garvey, R.J.P. 2207.
Garwin, J.L. 6598, 12723.
Garza, C. 8959.
Garzelli, C. 4314, 10220.
Gaspar, M.C. 5104.
Gaspar, S. 5021.
Gasparini, R. 4309, 4317, 4351.
Gasparini, S. 13095.
Gasponi, A. 10157.
Gassen, H.G. 3901, 8498, 11074.
Gasser, F. 8737.
Gassmann, G. 10983.
Gassner, A. 11883.
Gasson, M.J. 4112, 5590.
Gast, P. 143, 7489.
Gastanaduy, A.S. 1981.
Gaston, L.W. 12977.
Gatell Artigas, J.M. 10609.
Gatell, J.M. 10426, 13213.
Gates, C.E. 5904.
Gates, G.A. 11913.
Gates, J.E. 8215.
Gates, N.L. 10652.
Gatley, S.J. 5447.
Gatner, E.M.S. 5291, 7104, 11675.
Gatt, S. 9632, 12689.
Gatti, J.E. 953.
Gatti, M. 1318.
Gatti, R. 8839.
Gau, Y.D. 13501.
Gaucher, A. 5400.
Gaudin-Terrasse, D. 2236.
Gaudin, C. 1473.
Gaudin, O.G. 10388.
Gaudreau, C. 4512.
Gaugler, B. 8280.
Gaugler, R.W. 4949, 7540, 7606.
Gauguere, J. 11619.
Gaul, A. 7992.
Gaunt, H. 338.
Gaur, A.C. 7445.
Gaur, A.K.S. 3704.
Gaur, N.K. 7550.
Gaur, U.C. 693.
Gaur, Y.D. 1179.
Gaus, E. 11775.
Gaus, W. 6156.
Gause, G.F. 10912
Gausing, K. 4808, 4994.
Gautam, K.D. 753.
Gautam, O.P. 3228.
Gauthier, D. 12117.
Gauthier, M. 6776.
Gauvreau, D. 7756.
Gauze, G.F. 311, 8750.
Gavan, T.L. 5089, 6807, 877
11379, 11388.
Gavilanes, J.G. 8893.
Gavillon, C. 5395.
Gavini, F. 9554, 9561.
Gavis, G. 13332.
Gavrilenko, S.A. 12571.
Gavrilovic, L. 9735.
Gavrish, O.G. 12483, 12870.
Gavristov, A.V. 12620.
Gawler, S 4401.
Gay, B. 7213, 10204.
Gay, G. 5524, 10798.
Gay, R. 4409, 7601.
Gay, R.M. 1944.
Gaya, H. 1704.
Gayda, J.P. 11112.
Gaydos, C.A. 7387.
Gaydos, J.M. 3782.
Gayon, F. 14.
Gayot, G. 13047.
Gayral-Taminh, M. 7944.
Gazquez, A. 13383.
Ge, W.-F. 13183.
Gearty, J. 9141.
Geary, I. 8006.
Gebebou, M. 4201.
Gebers, R. 4708.
Gebesh, V.V. 2033.
Gebhardt, B.M. 6083.
Geboes, K. 11782.
Gebray, A. 4377
Gebre-Medhin, M. 3229.
Gebre-Sellassie, L. 7381.
Gebre-Yohannes, A. 7381.
Gebre, Z. 13239.
Gebrosky, J. 5775.
Geczy, A.F. 4324.
Gedde-Dahl, T.W. 12028.
Geddes, A.M. 9141.
Gedebou, M. 6231, 9998.
Gedek, W. 5105, 5106.
Gedra, T. 7377.
Gee Jackson, G. 11921.
Geering, A.H. 11684.
Geesey, G.G. 5630.
Geffers, I. 4720.
Geffner, M. 4406.
Gegenheimer, P. 7519, 8502.
Geha, R.S. 7950.
Gehring, F. 3306, 3649, 7968.
Gehrz, R.C. 769.
Geib, L.W. 8085.
Geider, K. 5002, 7495.
Geiduschek, E.P. 2890.
Geisler, N. 8680.
Geissinger, H.D. 10236.
Gelb, M.H. 6534.
Gelderblom, H. 3776.
Gelender, H. 13334.
Gelfand, J.A. 540.
Gelhoff-Volanaki, M. 942.
Gellert, M. 7646.
Gelmann, E. 2194.
Gelmont, D. 13364.
Gelugne, J.P. 5836.
Gelvin, S.B. 2905, 7691.
Gelzer, J. 3072.
Gemmell, C.G. 5232, 5992, 8760
10222.
Gemmer, H. 5113.
Genadry, R. 13189.
Genco, R.J. 1363, 5281, 7312.
Gendre, J.P. 2043.
Genee, E. 7185.
Genghof, D.S. 4905.
Geniaux, M. 7080.
Gennaro, M.L. 8876.
Gennaro, O. 2298.
Gennis, R.B. 3983, 7558, 11143, 11146, 11177, 11197.
Genova, F. 5353.
Genta, V.M. 7021, 7351.
Genther, C.S. 6646.
Genthner, B.R.S. 115.
Genti, G. 6944.
Gentile, D.E. 7370.
Gentile, T. 4323.
Gentilini, C. 3453.
Gentilini, M. 4456.
Gentry, L. 7128.
Gentry, L.O. 5071, 5937, 7999, 13121, 13226.
Gentry, R.F. 6122.
Geoffroy, C. 11477, 11506.
George, A. 1368.
George, A.M. 1485, 8589.
George, B.A. 4218, 5455, 6834, 13406

rge, B.L. 5321.
rge, C. 7155, 8074
rge, G. 6280
rge, J.R. 6026
rge, M.F. 3893
rge, R.H. 3351.
rge, W.L. 5401, 9217
rge, Y. 6570.
rges, A.M. 11639.
rgescu-Braila, M. 4430
rghiou, D. 1653.
rgiopoulos, A.N. 11739
rgopapadakou, N.H 7727, 820, 11150.
rgopapadokau, N.H. 7738
rgopoulos, C. 5813, 5825
aci, D. 9008
aci, J.E 9958, 10572, 10575
aghty, M. 13271.
al, J.L. 13409
ami-Nejad, M. 3098
ard, A. 6207, 6268
ard, Y. 3523
asimenko, D.D. 11428
asimenko, L.M. 12216
aud, G. 3480
baud, C. 1605
baud, G 6766.
rber, A.U. 5966, 9284, 12879, .2907, 13123.
rber, F 10348
rber, L 1472
rber, M 4010
rber, M A 11811
rber, N N 8480
rchakov, S M 10933
rde, L S 9287
rfaux, G 11652
rhardt, D C 3528
rhardt, E B 9335
rhardt, G G 8241
rhardt, P 13, 13243
rhardt, R R 6366, 10696
rhardt, U 3812
richter, B 7205
richter, C B 3181
rken, A 9162
rken, T A 7525
rlach, E H 320, 5089, 6807, 6810
rlack, E H 391
rlinger, E 3977
rmain, B F 1010
rmain, P 6629
erman, A 520
erman, C 689
ermanier, M 8488
ermanier, R 6125, 10166
ermer, S 900
ermon, J C 5534
ermouty, J 13140
erpheide, S A 2990
erraed, S P 11093
errard, S P 8610
erritsen, G C 4539
erritsen, N 5827
ersh, B J 4480
ershman, M 6479, 10877
ershon, A A 1925
ershwin, M E 6078
ersonde, K 3953
erstner, G 9070
ertside, P S 3688
ervais, M 9826
erver, A U 10619
esheva, V.I. 11216.
eskina, O.D. 10362
Gessler, C. 8141
Gessler, K. 2372.
Gest, H 2682, 4786
Gething, M.-J 9827
Gething, M.J. 6720
Geuenich, H.H. 10868
Geuther, R. 5021, 10004
Gewurz, H. 3206, 6090, 6096, 10959, 11611
Geyer, S.J. 9092.
Ghai, B.S. 10792
Ghai, O.P. 7878
Ghai, S.K 5804, 9797
Ghani, B.A. 1465.
Ghani, R. 10536.
Ghannoum, M.A. 7985
Gharagozloo, R. 2269
Ghau, V. 3917
Ghazi, A. 8374.
Ghei, O.K. 1422.
Ghelardini, P. 11338
Gheorghiu, E. 1137
Gheorghiu, M. 9060
Gheorghiu, T. 11759.
Gherardi, S.G. 2350.
Gherbna, R L. 2746
Gherna, R.L. 11006
Ghesquiere, F. 4503
Ghidossi, G. 7686
Ghildyal, B.P. 1223
Ghisalba, O. 7741, 11246
Ghnassia, J.C. 4538
Ghodekar, D.R 4942
Gholson, R.K 5783, 6631
Ghommidh, C. 9815, 12692
Ghoneim, A.T.M. 1038
Ghoos, Y. 5264
Ghorbanian, S.N 13129
Ghosal, A.K. 7226.
Ghosal, S. 12513.
Ghosh Dastidar, P 8861
Ghosh, D. 7490, 8520
Ghosh, R.K 8612
Ghosh, S 8861
Ghosh, S.K 11436
Ghozlan, R 5405
Ghumman, J.S. 5470
Ghuysen, J.-M. 2583, 4914, 4915
Ghuysen, J.M. 12584.
Ghysels, G. 3064, 11332
Giacchino, M. 3514.
Giacchino, R. 11886
Giacchno, M. 6990
Giacoia, G.P. 780
Giacomoni, M.A. 10629
Giacomoni, P. 11526.
Giallongo, A. 9008
Giam, C.Z 4958
Giamarellou, H. 942, 1035, 1749, 5075, 5443
Giambartolomei, G. 1977
Giammanco, G. 30, 1318, 1500
Giammara, B 3630
Gianinazzi, S 8144
Giannella, R.A 4419
Giannelli, F 5353
Giannico, L. 5360
Giap, G. 5491
Gibbons, R.J 8401
Gibbs, H.A 2363
Gibbs, G. 13096
Gibbs, J.H 9073
Gibbs, P.A. 1412
Gibbs, R.S 2232, 3381, 11809
Gibelin, M 3060
Gibelin, P 3060
Gibert, C 2182, 6135
Gibert, R 10153
Gibney, S. 11945
Gibson, A.H 2669, 4630, 9480
Gibson, A.M 474, 1796
Gibson, D.M 9526
Gibson, D T 5668, 7447
Gibson, F. 1589
Gibson, G 13217
Gibson, G.L 8058
Gibson, I H N 2284, 9276
Gibson, J.R 7185
Gibson, K J 8559
Gibson, L.A.S. 5467
Gibson, L.F 9512
Gibson, M 2071
Gibson, M.F 3273, 8792
Gibson, M.J 1398
Gibson, P.J 10471
Gibson, Q H 4063
Gibson, R.J 9662
Gibson, R.W 10120, 10125
Gibson, W.A 6954
Gicquel-Sanzey, B. 4104, 12551
Giddens, J E. 1182
Gidley, M.J 411
Gidvani, C H 406
Giebink, G.S 638, 654, 3196, 5256, 5376, 6999
Giege, R 6593
Giercke, S 1252
Gierl, A. 9782, 11132
Giesbrecht, P 10960
Giesecke, W.H 3624
Giesy, J.P.,Jr. 8248
Giffhorn, F. 211, 9772, 12626
Gijon Banos, J 3533
Gijskuenen, J 5561
Gil Pujades, A. 2128
Gil-Turnes, C 8945
Gil, G.M 2541
Gil, J. 7146.
Gil, J.A.B 11742
Gilardi, G.L. 3801, 8766, 10882
Gilas, T 13351
Gilbert, A.S 5792
Gilbert, G.L. 976, 2069
Gilbert, J P 4190
Gilbert, P 10028, 10039
Gilbert, R.J 13158.
Gilbert, W 9719
Gilbertson, J D 126
Gilbertson, J.R. 126, 438
Gilboa-Garber, N 1857
Gilburt, D.J 9328.
Gilchrist, M.J.R 818, 5556
Giles, G.R. 7973
Giles, N.H. 9760
Giles, R.C.,Jr. 4562.
Gill, C.O. 1399
Gill, D.M. 471, 6014, 6308
Gill, I.J. 7237, 12066
Gill, J.S. 2590
Gill, P.R. 8537
Gill, R.E. 89.
Gill, V.J. 2297, 5954, 6458.
Gill, W.W. 12039
Gillaspie, A.G 4077
Gillebert, Ch. 11494.
Gilleece, E.S. 12927
Gilleland, H.E.,Jr. 2837, 12928.
Gilles, H.H. 1538
Gillespie, W.A. 7103.
Gillett, R. 6154.
Gillies, K. 1414.
Gilligan, P.H. 7021.
Gillis, T.P. 3177
Gillissen, G. 13370.
Gillum, A.M. 8754.
Gilman, A.G. 6003.
Gilman, M.Z. 159.
Gilman, R.H. 544
Gilmer, T.M 9862
Gilmore, D.S. 7112.
Gilmore, M.S. 5020
Gilmour, J.S. 8123, 8124.
Gilmour, N.J.L. 7288
Gilquin, C. 10947.
Gilstrap, L.C. 7053.
Gimautdinova, O.I. 1447.
Gimenez-Gallego, G. 1415.
Gimeno-Alava, A. 2108.
Ginardi, E. 5048.
Gineston, J.-L. 7009
Gingras, G. 3880
Ginies, G. 878
Ginsberg, B.H. 11499
Ginsberg, G.S. 681.
Ginsberg, M.B. 902, 4461, 10525.
Ginsburg, A. 9738, 11136.
Ginsburg, C.M. 679, 848, 10336, 11850, i1990
Ginsburg, I. 10201
Gioia, B. 3035, 7805
Giolma, P. 8949
Giometti, J. 11597
Giordano, G. 4929
Giorgi, W. 1835, 9339
Giorla, F. 813
Giovanardi, A 4347.
Giovane, A. 12539
Giovannini, I. 10549
Giovannoni, S.J. 3740.
Gipp, J.J. 12953.
Giraldi, P.N. 9949, 9953
Girard-Pipau, F.R. 1922
Girard, A.E. 361
Girard, R. 2889, 10135
Girardeau, J.P. 11445, 12049
Giraud, E 8737
Giraud, F. 6267
Girdhar, B K. 6145
Gire, R 4501
Girgis, N.I. 899, 901
Giri, I. 12767
Giron, J.A. 11495
Girouard, Y. 6236
Girouard, Y.C. 333
Giroux, M 2451, 13480
Girshovich, A.S 165, 8503
Gitaitis, R.D 2409
Gitelzon, I.I 12472, 12490
Gitlin, N 13070
Gitnick, G. 12991
Giudici, F 9953, 11397
Giuliani, E R 10572, 10575
Givens, S.J 5298
Givental, N.I 7821, 9930
Givner, L.B 4530, 9257
Giza, P.E. 5025
Gjoennaess, H. 3403.
Gladko, I.A 12709.
Gladkova, N.S 7085
Glaeser, H. 13458
Glagolev, A.N. 1343, 1350, 8393, 10946, 10949, 12330
Glansdorff, N. 1586, 5865, 12507, 12795
Glanser, M. 8397
Glase, C. 8151, 8152, 8153.
Glase, E. 8154
Glaser, G 7665
Glasgow, A 8063
Glasgow, L.A. 6914
Glasier, C.M. 871.
Glasinovic, J.C. 13208
Glass, E. 4295
Glass, H.W.,Jr. 10696
Glass, R. 11830.
Glass, R.E. 6687, 12773
Glass, R.I. 11754
Glass, R.L. 721.
Glatt, H 1603
Glatzer, L. 11311.
Glaus, L. 6227.
Glauser, M.P. 6077, 6235, 9272.
Glavind, L. 707
Glazier, J. 5409.
Gleason, C. 13122.
Gleason, C.H. 10404.
Glebova, N.S. 10951.
Gleckman, R.A. 6217.
Gledel, J. 6821, 11332
Gledhill, T. 6299
Glemzha, A.A. 12633, 12677.
Glenchur, H. 2014, 9266.
Glenn, A.R. 1155, 3678, 5648, 5794, 12322.
Glenn, G. 5863.
Glenn, H. 8977.
Glenn, J. 2944.
Glenzen, W.P. 3243
Glette, J. 6105.
Glick, B.R. 6755.
Glick, J. 1857.
Glickman, B.W 11044, 11282.
Glickman, L.T. 767, 1116, 4345.
Gliozzi, A. 9667
Glisan, G.L. 12930
Glista, G. 6237
Glitz, D.G. 8497
Glode, M. 4273.
Gloeckner, C. 12535
Glogowski, W. 5953
Gloor, M. 8621
Glorioso, J.C. 534
Glotz, C. 1459.
Glover, S.C. 904.
Glover, S.G. 13313.
Gluckman, S.J. 994.
Gluender, G 2360, 2372.
Glukhova, A.A. 12409
Glunder, G. 4330.
Glupczynski, Y. 5442.
Glushko, N.V. 13382
Glynn, A.A. 505.
Gmajnick, B. 10617
Gmeiner, J. 2826, 4078, 11226
Gmuender, F.K. 6840
Gnanamanickam, S.S. 5133
Gnann, J.W.,Jr. 7789.
Gnarpe, H. 2230, 13030.
Goas, G. 9466.
Goble, M. 6168.
Gochev, A.D. 1424.
Gochnauer, T.A. 2400.
Gocke, K. 8228, 9793
Godany, A. 5892.
Godard, C. 10929.
Godbarge, E. 13335
Godbout-DeLasalle, F 7234
Goddard, A.D. 10387
Goddard, J. 9176
Goddeeris, P. 2305.
Godeau, C. 13282.
Godenir, J.P. 3497
Godfrain, J.C. 4575.
Godfrey, A.J. 382, 6823
Godik, V.I. 5686
Godinho-Orlandi, M.J.L 2487, 2488
Godinho, K.S 3621.
Godleski, J.J. 13154.
Godoy, P. 13147
Godson, G.N. 11051.
Godteredsen, W O 5979
Godwin, J.R 6204
Goebel, M 8824, 11418
Goebel, W. 9887, 9888, 11479, 12779.
Goeckschu, G. 12842
Goei, S.H. 5334.
Goekalp, H.Z. 879
Goel, M.C 603
Goelz, S.E. 4857, 8624
Goering, H.D. 1897
Goering, R.V. 12917.
Goerisch, H. 3962
Goerl, R. 8586
Goersch, R. 8080
Goetsch, A.L 9627
Goette, D.K 4476.
Goetter, W.E. 7789
Goetz, M. 2107.
Goetz, P. 4598.
Gofman, I.L. 13008
Gogacz, E. 3117.
Gogel, G. 6546, 6547.
Gogia, Z.V. 1480, 4815.
Gogilashvili, L.M. 10160
Gogotov, I.N. 11140, 11212, 11219.
Gogotova, G.I. 12427
Goh, K.T. 10375
Goh, T.H. 927.
Goheen A.C 2410
Goheen, A.C. 11486
Goichot, J. 10135.
Going, R.E. 7857.
Golaisova, E. 1186.
Gold, B.G. 3490
Gold, L. 6573.
Gold, L.M. 6572.
Gold, R 988, 4326.
Goldacre, M.J. 3375.
Goldberg, A.L. 1525, 5755, 6636, 9750, 9788, 12578.
Goldberg, B 10086.
Goldberg, E.B. 4120, 7673.
Goldberg, I. 9636.
Goldberg, J. 1953
Goldberg, M.E. 7590.
Goldberg, R.B. 9832, 12647.
Goldberg, R.L. 10094.
Goldblum, R.M. 8959.
Goldblum, S.E. 1895, 6948.
Goldemberg, S.H. 3910, 6577.
Goldenberg, D. 11167.
Goldenberg, D.L. 930.
Goldfarb, D.S. 8811.
Goldfogel, G.A. 4662.
Goldhar, J. 11784.
Goldie, A.H. 4858
Goldin, B. 10037.
Goldin, B.R. 5448.
Golding, B.T. 109.
Goldman, A.S. 8959
Goldman, B.J. 10781.
Goldman, D.J. 8385.
Goldman, M. 11625.
Goldman, R.C. 1479, 3168, 13015.
Goldman, R.L. 11860
Goldman, R.S. 6948.
Goldman, S. 8646.
Goldman, S.M. 9074.
Goldman, W.D. 2249
Goldman, W.E. 6869
Goldmann, D.A. 949, 3542, 8942, 11875, 11924, 11944.
Goldner, M. 7967.
Goldner, W.L. 9291.
Goldsand, G. 6301.
Goldschneider, I. 3211.
Goldstein, E. 887.
Goldstein, E.J.C. 1027, 2314, 6813.
Goldstein, I.F. 6188.
Goldstein, I.M. 5388.
Goldstein, J.C. 327.
Goldstein, J.D. 13154.
Goldstein, R. 4116, 9861
Goldthorp, S.L. 2187
Goldwater, P.N. 3372.
Golematis, B. 9071.
Golimbet, V.E. 12148.
Golish, J.A. 804
Gollakota, K.G. 8831.
Gollop, N. 5757.
Golmeier, D. 13191.
Golod, B.I 12667
Golomb, H.M. 2194.
Golovacheva, R.S. 13517
Golovanov, A.M. 2303
Golovchenko, D.Ya. 5348
Golovchenko, N.P. 10867, 12203.
Golovinsky, E. 4873.
Golovlev, E.L. 10908, 12404, 12562
Golovleva, L.A. 1393, 10996, 11001, 12391, 12643
Golub, E. 8399.
Golub, E.I. 6706.
Golubev, A.M. 478.
Gombas, D.E. 5770.
Gombert, M.E. 885, 1716.
Gomes da Silva, R. 12120
Gomes, R A 6568
Gomez Agudo, G. 12019
Gomez-Eichelmann,M. 2942
Gomez-Estrada, H. 10214
Gomez-Fernandez, J.C. 7404.
Gomez-Garcia, A.C. 8779
Gomez-Lus, R 10010
Gomez, B. 9859, 11291.
Gomez, I. 12489
Gomez, M.L. 11948.
Gomez, R.F. 154, 1332, 6525, 7468, 8661, 9723
Gomez, X. 13208.
Gompels, B.M. 13291
Gonchar, N.A. 3998, 12631
Goncharova, G.I. 1921.
Gong, C.-S. 8420.
Gong, W.-H. 9503.
Gongora, J.C. 6966.
Gonzales, F.R 6963
Gonzales, L. 7794.
Gonzalez B., A. 7982
Gonzalez del V., M.C. 11600.
Gonzalez-Gabaldon, B. 2146
Gonzalez-Lopez, J. 10874.
Gonzalez-Mendoza, A. 10214
Gonzalez, C.J. 982
Gonzalez, F.P. 7130
Gonzalez, J.M 8036.
Gonzalez, L.C. 2415, 4605
Gonzalez, R. 866
Gonzenbach, H.R. 10503

Gooch, J.A. 8369.
Good, J.T. 4387.
Good, R.C. 2578, 3482.
Good, R.E. 13522.
Good, R.F. 10238.
Goodall, R.G. 973.
Goodard, J.P. 5717.
Goodbody, M.M. 9987.
Goodell, S.E. 2158.
Goodfellow, M. 2514, 8316, 12691.
Goodgal, S.H. 1365, 12415.
Gooding, A. 452.
Goodman, L. 11717.
Goodman, R. 4719.
Goodman, R.N. 1152, 3662, 4604, 4944, 6403.
Goodman, R.S. 1997.
Goodnow, R.A. 635, 3645.
Goodwin, C.S. 849, 10146.
Goodwin, C.W. 7965.
Goody, R.S. 11084.
Goonatilake, P.C.L. 9215.
Goosen, D.J. 4583.
Gootz, T.D. 3062, 12917.
Gopalakrishna, G.S. 1401.
Gopalakrishna, K.V. 4468.
Gopalakrishna, Y. 1458, 7506, 8511, 11039.
Gopaul, D.L. 8011, 8039, 9211.
Gopinath, C. 2349
Gopinathan, K.P. 2695, 4025, 4984, 7429.
Gorbach, S.L. 2184, 2282, 5448, 6290, 7882, 7916.
Gorbunov, J.A. 5740.
Gordienko, A.S. 12483.
Gordienko, S.A. 12497.
Gordin, H. 3596.
Gordon, A.J. 1192.
Gordon, A.S. 10933
Gordon, D.T. 9398.
Gordon, H.A. 1122.
Gordon, J.K. 2613, 2808.
Gordon, J.M. 374, 5097
Gordon, L.K. 9730
Gordon, L.M. 3163.
Gordon, M. 7691.
Gordon, M.A. 3636, 11956
Gordon, M.P. 2905, 6769, 7686.
Gordon, P.H. 736.
Gordon, R.C. 4496.
Gordts, B. 5073, 5441, 8802
Gore, M.S. 3123.
Gorelic, L. 5724.
Gorelyshev, A.S. 12821.
Goren, E. 4574.
Goren, M.B. 6059
Gorham, J.R. 612.
Gorkova, A.V. 1825.
Gorlatov, S.N. 12140, 13509
Gorlatova, N.V. 12643.
Gorman, G.M. 8758.
Gorman, G.W. 3779, 10895.
Gormova, L.A. 12339.
Gornicki, P. 9685.
Gorshkov, V.P. 2214, 2500.
Gorshkova, R.P. 4943
Gos, Z. 3106, 3113.
Goss, J.A. 4042.
Gossele, F. 3847, 12084.
Gosselin, F.M. 11005
Gossling, H.R. 10491.
Gossling, J. 8083, 8084.
Gosting, L. 564.
Goswami, R. 5925.
Gotev, N. 10931.
Goth, R.W. 9401.
Gothe, R. 6356.
Gothefors, L. 6053.
Goto, A. 3804.
Goto, I. 13354.
Goto, J. 13354.
Goto, K. 2625
Goto, S. 1998, 5951, 7761, 8452, 9955.
Goto, T. 4294, 9980
Goto, T.-A. 7595.
Goto, Y. 3152.
Gotoff, S.P. 4427.
Gotoh, H. 8576.
Gots, J.S. 1357.
Gottesman, M.E 4993, 5009.
Gottesman, S. 273, 1619, 5010.
Gottfried, E.B. 9292.
Gottlieb, D. 3675.
Gottlieb, S.F. 6443.
Gotto, D.A. 1439.
Gotto, J.W. 9746
Gottschal, J.C. 5561, 5810
Gottschalk, F. 4546.
Gottschalk, G. 238, 2582, 4071, 8645, 9770, 9771, 11250, 12262, 12454.
Gotuzzo, E. 1010.
Goueffon, Y. 4209
Gouet, P. 12049
Gouet, Ph. 11445.
Gougeon, J. 5403.
Gougoutos, J.Z. 2975.
Goulbourne, E.A.,Jr. 2615.
Gould, D. 5269.
Gould, R.O. 3869
Gould, R.W. 564.
Gould, W.D. 4621, 4747, 9437.
Goullet, P. 4932, 5395, 12665.
Goullet, Ph. 392.
Goulon, M. 6270.
Gounot, A.M. 7630.
Gourlay, R.N. 5574, 10685, 10702, 10706
Gouskos, A. 1777.
Govan, J.R.W. 1566.
Govan, J.W.R. 397.
Govil, D.C. 693.
Govindarajan, R. 13377
Govindjee, R. 7409.
Govindu, H.C. 1140, 6395.
Govorukhina, N.I. 11217, 12463.
Gowland, G. 2768.
Gowrishankar, J. 12801.
Goyal, A.K. 2521.
Goyal, M.K. 6424.
Goycoolea, M. 10086.
Graber, C.D. 7054.
Grabowski, M.W. 10273.
Gracea, E. 4430.
Gracey, M. 2026, 2551, 3120, 7019, 10071.
Gracey, M.S. 11657.
Grachev, M.A. 4901.
Grachyova, I.M. 12569.
Gracia Velasco, F. 9253.
Grado, C. 5200.
Grady, C.P.L.,Jr. 10973.
Graef, W. 10045.
Graefe, U. 2960, 4961, 11251.
Graeslund, A. 8560.
Graf, E.-G. 4871, 9747.
Graf, H. 11684.
Grafe, U. 7733.
Grafford, K. 13124, 13126.
Graft, E. 426.
Gragerov, A.I. 8509.
Graham, A. 2589
Graham, D.R. 1261, 4443
Graham, G.S. 1764.
Graham, I. 8828.
Graham, J. 3234, 11850, 12777.
Graham, J.A. 7919.
Graham, L. 11850.
Graham, P.H. 1206, 13481.
Graham, R.A. 1190, 1193, 9478.
Graham, R.D. 4643.
Graham, S. 2499.
Graham, T.E. 1804.
Graifer, D.M. 11071.
Grain, E.,Jr. 7258.
Grall, Y. 5242.
Gralla, J.D. 7647.
Gramstad, N.D. 3436, 5349.
Granath, L.E. 13115.
Granato, P.A. 1262, 5931, 10900
Grand, L.F. 9388.
Grande Icaran, D. 9139.
Grandi, G. 2919, 2924.
Granena, A. 2313.
Granett, S. 1341.
Granfors, K. 1693, 7911.
Grange, J.M. 8296.
Grangeot-Keros, L. 9066.
Granger, D.L. 9009.
Graninger, W. 1036, 5333, 8772, 11883.
Granof, D.M. 6911.
Granoff, D.M. 4524, 4694, 5597, 11999.
Granouillet, R. 2236, 10388
Grant, C. 1125.
Grant, G.A. 5781.
Grant, J.M. 1997.
Grant, M.A. 10971.
Grant, P.G. 8497.
Grant, R.B. 7698.
Grant, W.D. 1557, 8643
Grante, K.Ya. 6986.
Granum, P.E. 5045, 5159.
Grappelli, A. 8650.
Grassi, F. 531, 532.
Grassi, G.G. 12882, 13549.
Grassi, L. 10629.
Grasso, S. 1767, 4216
Gratacos, R. 4363.
Gratten, M. 11945, 11950.
Grau, O. 2899, 3865.
Grau, W. 5984.
Graudal, C. 2153.
Graveaud, M. 10477.
Graverol, D. 11842
Graves, G.R. 8064
Graves, L.M. 9662
Graves, P.S. 2271.
Graves, R.C. 5298.
Graves, S. 1420.
Graves, S.W. 9749.
Gray, A. 2850.
Gray, B.A. 1970.
Gray, B.M. 3200, 8640.
Gray, C.W. 2902.
Gray, D.O. 12450.
Gray, E.D. 10193.
Gray, G.L. 1626, 8557, 9843.
Gray, J. 5834, 8903.
Gray, J.A. 1761, 13087.
Gray, J.E 5850.
Gray, J.G. 1106, 3543.
Gray, L. 1091.
Gray, M.W. 7520, 8499.
Gray, P.P. 302, 7463.
Gray, R.J.H. 12720.
Gray, T.C. 6367.
Grayson, G.G. 9025.
Grayston, J.T. 4499.
Grazi, G. 395, 8787.
Graziano, R. 12011.
Grebenshchikova, O.G. 12631.
Grechushkina, N.N. 12709.
Greco, D. 9996.
Greco, M.A. 7048, 7122.
Greco, R.S. 13403.
Grecz, N.S. 2659.
Greeff, A.S. 3635.
Green, H.T. 9260, 10444.
Green, J. 772, 986, 10146.
Green, J.B. 11844.
Green, L. 260.
Green, L.R. 2132.
Green, M. 5308, 11468.
Green, N. 4335.
Green, P. 1634.
Green, P.R. 4874.
Green, R.M. 731, 3647, 4376, 6962, 13103.
Green, R.S. 492.
Green, S. 3338.
Greenaway, P.J. 1596, 8876.
Greenaway, S.D. 9516.
Greenberg, B. 12796.
Greenberg, B.G. 10121.
Greenberg, D.J. 742.
Greenberg, E. 191, 12632.
Greenberg, E.P. 2615, 4653.
Greenberg, H. 3371, 6115, 11757.
Greenberg, M.S. 6271.
Greenberg, R.N. 3132, 5173, 6815, 10402.
Greenberg, S. 7128.
Greenberg, S.B. 3311, 7001.
Greenblatt, J. 11302.
Greenblatt, J.J. 10138.
Greenburg, A.G. 11876.
Greene, G.R. 6091.
Greene, J.,Jr. 3356.
Greene, J.G. 5213.
Greene, J.W. 10533
Greene, R.C. 1639, 12783.
Greene, W.H. 6366, 10696.
Greenfield, D.J. 3491
Greenfield, R.A. 8763
Greenlee, D.V. 7581.
Greenman, R.L. 765.
Greenstein, M. 1742.
Greenstein, T. 8605, 12648.
Greenwood, B.M. 656, 10185.
Greenwood, D. 351, 3010, 3024, 6811, 9946.
Greenwood, D.E. 3605.
Greenwood, J.D. 12059.
Greenwood, J.R. 3890.
Greenwood, K.T. 9786.
Greenwood, R.M. 2449.
Greer, S. 11286.
Gregerson, D. 6283.
Gregg, C.R. 10124, 11825.
Gregg, C.T. 12244.
Gregori, T.J. 4143.
Gregory, D. 1495.
Grehn, M. 11410.
Grein, A. 6683, 7744.
Gremillion, D.H. 3330.
Gremmen, J. 6396.
Grenier, B. 1968, 6012, 6238.
Grenier, J.F. 10621.
Gress, F.M. 20.
Gresser, I. 8886.
Gresshoff, P.M. 5509.
Grewal, K.K. 8523.
Grewell, C.M. 5556.
Grewing, B. 10888.
Grgiulo, A.W. 5244.
Gribble, M.J. 2245, 11411, 11524.
Gribunov, Yu.P. 2301.
Gridasova, V.D 3272.
Gridel, F. 686.
Grieble, H.G. 5956
Grieco, M.H. 11438.
Grieder, A. 496.
Griedrich, C.G. 5776.
Grief, H. 1266.
Grier, N. 11448.
Griffee, M.B. 1265.
Griffin, C.W. 2531.
Griffin, D.M. 13506.
Griffin, J.B. 2525
Griffin, J.W. 476.
Griffin, K.P. 155.
Griffin, W.M. 8414.
Griffiss, J.M. 6129.
Griffith, J.K. 12244.
Griffith, J.P. 8571.
Griffith, R. 8139.
Griffiths, C.L. 10817.
Griffiths, D.A. 10247.
Griffiths, D.T. 4523.
Griffiths, E. 5713.
Griffiths, R.P. 2643.
Grignon, B. 2242, 5355, 13323.
Grignon, G. 3540.
Grigorieva, G.P. 12383.
Grigorova, R.T. 2920.
Grigoryan, E.G. 9957.
Grigoryev, N.I. 9202.
Grigovich, I.N. 831.
Grilo-Reina, A. 9312.
Grilo, A. 11959.
Grimaldi, G. 8684.
Grimaud, J.A. 3841.
Grimellec, C.L. 8379.
Grimes, D.J. 12170
Grimfeld, A. 7990.
Grimm, H. 5091.
Grimm, L. 7073.
Grimm, L.M. 9180.
Grimont, F. 4712.
Grimont, P.A.D. 2297, 4712.
Grimshaw, C.E. 1506, 1520.
Grimstone, J. 8012.
Grimwood MB, K. 11848.
Grinberg, M.E. 2239.
Grinberg, Z. 664.
Grinblat, J. 11736.
Grindal, R.J. 3621, 10683.
Grindley, N.D.F. 8662.
Grinev, A.N. 7861.
Grinsted, J. 2946, 9904.
Gripenberg, L. 5404.
Gripenberg, M. 6093.
Grishanova, N.P. 12475.
Grishina, I.A. 1041.
Grist, N.R. 941.
Gristina, A.G. 1283, 6535
Grivaux, M. 7151.
Groat, R.G. 8191.
Grob, P. 496.
Grodzinskaya, K.P. 13489.
Groening, K. 12188.
Groenroos, M. 3392.
Groenroos, P. 1693.
Groff, J.P. 11193.
Grogan, R.G. 5697, 11036.
Groh, C. 2107.
Grojec, P.L. 11548.
Groleau, D. 7587.
Grolle, K. 4484.
Grolleau, J.Y. 11901.
Grollier, G. 2242, 5355.
Groman, N.B. 1640, 1642, 1661.
Gromet-Elhanan, Z. 3825, 6557.
Gromisch, D.S. 7216.
Grommers, F.J. 1058
Gromska, W. 8655, 9799.
Gron, G 13323.
Gronan, J.E.,Jr. 8624.
Groneman, A 442.
Gronenborn, A. 7553.
Gronenborn, A.M. 4014, 4839, 6659, 11117, 11180.
Groothuis, D.G. 1102.
Groppi, V.E. 1813, 10072.
Groppi, W. 9242.
Gros, P. 6903.
Grose, W. 9296.
Grosfeld, L. 12981.
Grosicki, A. 3117.
Gross, D.C. 249, 8285.
Gross, G.N. 6109.
Gross, K.C. 1259.
Gross, P.R. 5274.
Gross, R. 2234.
Gross, R.J. 833, 6825.
Gross, W.B. 10722.
Grossato, A. 4667.
Grosser, H. 11719.
Grosset, J. 11584.
Grossman, L. 6604.
Grossman, M. 4453, 5950, 10539.
Grossman, N. 12428.
Grossowicz, N. 8709.
Groth, J. 8968.
Groudev, S.N. 6853, 7436, 7460.
Groudeva, V.I. 6853.
Grove, D.A. 516.
Grover, A. 1570.
Grover, R.K. 3089, 12944
Groves, M.G. 577, 1076,
Growdon, J.H. 7050.
Groyer, G.S. 5138.
Grub, R. 8937.
Grubb, J.A. 5451.
Grubb, R. 4270.
Grubb, W. 12459.
Grubb, W.B. 8738.
Grubbauer, H.M. 11966.
Grubbs, B. 6108.
Gruber, C. 1030.
Gruber, D.K. 1030.
Gruber, J.J. 10665.
Gruber, M. 2708, 4820.
Gruber, S. 6997.
Gruenberger, W. 9070.
Grueneberg, R.N. 5326, 11
Gruft, H. 6440.
Grula, E.A. 8127.
Grula, M.M. 8415.
Grulich, R.E. 9983.
Grumbein, S. 9352.
Grumbles, L.C. 5263
Grumet, G. 2194.
Grun, M. 10190.
Grunberg-Manago, M. 5707
Grundfast, K.M. 10332.
Grundmann, R. 3489.
Grundstroem. T. 2869.
Grundstroem, T. 5742, 9744 11043, 11268.
Gruner, M. 7044.
Gruner, S.M. 7410.
Gruninger, R.P. 2621, 3006, 8026, 8821.
Grunt, J. 10607.
Grushina, V.A. 11018.
Gruss, B. 9345.
Gruszkiewicz, J. 13221.
Gryaznova, N.S. 7840.
Gryczan, T.J. 2908.
Gryglewski, R.J. 4069.
Grzelak-Puczynska, I. 1295, 1298, 5192, 5193.
Grzelinska, A. 10755.
Grzybowski, S. 10634.
Gschnait, F. 2159, 3197.
Gstrein-Reider, E. 12660.
Gu, H.-Y. 12240.
Guagliardi, L. 7808.
Guaguere, J. 9351.
Gualerzi, C. 2739, 9676, 125
Guandolo, V.L. 761.
Guardiola, J. 8684.
Guaydier-Souquieres, G. 925.
Gubanov, V.V. 4978, 7663, 1
Gubanova, N.Ya. 13433.
Gubish, E.R.,Jr. 11554.
Guckian, J.C. 3215, 3224.
Gudding, R. 2550, 7244.
Gude, H. 4772.
Gudkov, A.T. 2707, 11113, 1
Gudz, O.V. 12942.
Guegan, M. 2043.
Guelain, J. 2127.
Guemes, F.S. 10664.
Guenounou, M. 6883.
Guenther, E. 4964.
Guenther, H. 7563.
Guenther, K.L. 2563.
Guenthert, U. 4877, 4886.
Guerin, J.-M. 13342.
Guerin, V. 13342.
Guerina, N.G. 8942.
Guerineau, M. 1605.
Guerinon, J. 7151.
Guerinot, M.L. 2402, 8349.
Guerlesquin, F. 8468, 9709
Guerra T., F. 7982.
Guerra, B. 2143.
Guerrant, R.L. 3132, 3337, 5173, 6815.
Guerrato, A. 9761.
Guerrero, M.L. 7072.
Guerrero, M.L.F. 7139.
Guerrero, R. 2743.
Guerrero, R.J. 9347.
Guerrero, S. 10304.
Guerriero, A.C. 369.
Guest, J.R. 1524, 1610, 1630, 5823, 5851, 12813.
Guevarra, A.B. 10771.
Guggenheim, B. 6103.
Guha, A. 11069.
Guha, C. 2721.
Guhathakurta, B. 222.
Guhlow, L.J. 6292.
Guibert, J. 6213, 7776, 7997.
Guibourdenche, M. 5118.
Guidet, B. 10463.
Guidi-Rontani, C. 2709.
Guidolin, R. 9038.

lotti, R.J. 10409.
lry, A J 4274
gnier, M. 7891.
id, W.R. 4096.
lard, J.-M. 7061.
llaume, J.C. 912.
llon, J. 9277.
llot, C.F. 5271.
llot, F. 4501.
llot, J.F. 7825, 13326.
lluy, R. 1444.
lmot, J.L. 878.
loff, A. 13238.
maraes, W.V. 5033.
n, J.D. 5275.
nan, M.E. 10409.
nee, P.A.M. 6886, 11557.
net, M. 7865.
ney, D.G. 8863, 11306.
ney, M.C.M. 12064.
nn, G.A. 4460.
nto, R.S. 694.
onie, M. 2788, 5120.
otto, A. 11456.
raud-Dauriac, H. 10027.
iraud, H. 1773.
irguis, N.I. 6033.
isan, J.M. 4894.
iscafre-G, H. 6829.
ivarch, G.,Jr. 11906.
iyoule, A. 5395.
jral, J.S. 10466.
levskaya, S.A. 12873.
lletta, E. 12772.
llstrand, P 10615, 11955.
mp, D. 6115.
mp, D.W. 2071, 9994.
ndermann, K.-O. 12414.
ndermann, K.O. 10481.
ndlach, H. 3511, 4505.
nn, B.A 1314.
nn, R. 3362.
nn, R.A. 5320.
nnarsson, L.A.H. 12162.
nner, H.B. 6416, 7873.
nning, M. 5288.
nsalus, I.C. 3885, 3886, 8522, 11307, 12479.
nsalus, R.P 7401, 11257
nschera, H. 10179
nselmann, W. 3161.
nson, J.R. 3623
nther, E. 4845
nther, R. 1837, 10114
uo, B -F 11620
uo, S -H 12802
uo, Z 6646
uozong, P 836
upta, A 13071
upta, A K 10151
upta, A P 13071
upta, B.R. 1324, 2352, 4588, 6130
upta, D.K 13428
upta, H.P 3615
upta, J S 5507
upta, K C 10944
upta, K G. 1219, 2781, 3116
upta, P. 11436.
upta, P.K. 8221
upta, P.N 7874.
upta, P.S. 5254, 10421
upta, R. 161
upta, R.P. 1185, 10488
upta, S.C. 693, 4588, 9011
upta, S.K. 701, 3615.
Gupta, U. 4704.
Gupta, V.K. 6221.
Gurevitz, M. 11085
Guriev, S.O. 12572.
Gurleva, G.G. 9957
Gurlitz, R H.G. 6512
Gurney, T.,Jr. 8281
Gurney, T.R. 5615.
Gursel, E. 11902
Gurtivnik, A.I. 6470.
Gurumurthy, P. 841.
Gurwith, M.J. 7899.
Guryev, S.O. 7663.
Gurzadyan, G.G. 275.
Gusev, M.V. 11007, 12363.
Guseva, E.V 8972.
Gushima, H. 2976.
Guss, R.B. 6871.
Gussmann, S. 5112
Gustafson, T.L. 9149.
Gustafsson, B. 4224, 13007
Gustafsson, B.E. 1126, 4594, 6936, 6938, 6939, 11659
Gutell, R.R. 2850.
Guterman, S.K. 9683.
Guthrie, R.K. 5144, 5981, 7423
Gutierrez-Nunez, J. 5902.
Gutierrez, A. 1706
Gutierrez, A.N. 10507
Gutierrez, G.G. 12040
Gutierrez, J.C. 7063.
Gutkin, M 2296
Gutman, R. 11784.
Gutmann, L. 172, 7824.
Gutnick, D L. 8646, 12697.
Gutorova, L.D. 13066.
Gutschick, V.P. 9454.
Gutschik, E. 8097, 8098.
Gutstein, R. 8667.
Gutterman, J.U. 3251.
Gutzwiller, F. 3072.
Guy, G.R. 9757.
Guy, H. 6277, 9281.
Guy, I. 920, 6244.
Guymon, L.F. 6478.
Guze, L.B. 862, 7046, 8267.
Guze, P.A. 7046, 8267, 9153, 9154, 9294.
Guzman, A. 2215.
Guzman, M.A. 10062.
Guzman, V.H. 9373.
Gvozdiak, P.I. 12870.
Gvozdyak, P.I. 108, 12483
Gvozdyak, R.I. 13433, 13435.
Gwaltney, J.M.,Jr. 6121, 13133.
Gwazdauskas, F.C. 12069.
Gwynn, M.N. 3026.
Gybson, D.W. 1930.
Gyles, C.L. 4542, 8310, 11539.
Gyr, K. 1046.
Gyulai, F. 7310.
Gyves, M.T. 2190.
Gyzev, V.S. 13471.

Ha, K. 644.
Haack, T.K. 7338.
Haaf, J. 1009.
Haag, R. 3039, 7217, 10545.
Haahtela, K. 3817.
Haake, D.A. 11555.
Haanaes, O.C. 9118.
Haas, C.N. 454.
Haas, D. 6696, 10057.
Haas, H. 12964.
Haas, J.E. 6792.
Haase-Aschoff, K. 12377.
Haassnoot, C.A.G 7522.
Haavik, H.I 8396
Habel, M.L 6781
Haber, K.J. 6734
Haberer, J.P. 13273
Haberer, K 4991, 4992, 12285
Haberkorn, R 12486
Habermann, E. 497, 3134, 6010
Habib, M. 9177
Habig, W.H. 10094
Hable Rhodes, K. 10569
Hable, M. 9841
Habte, D. 2028, 3229, 6019
Hachimori, K. 2020, 3541
Hachisuka, Y. 5589, 12323
Hackbarth, C. 6039
Hacker, J. 8991, 11479
Hackett, J. 7650
Hackett, R.H 6849
Hackl, R.P 9642
Hackstadt, T. 2670
Hadad, J.J. 4542.
Haddad, N. 11664
Haddad, T 7248
Haddock, B.A. 1587, 4929, 7485
Haddy, R.I 4496
Hadfield, S.G 505
Hadi, S.M. 9775
Hadi, T.R. 13338
Hadiputranto, H. 8282
Hadiputranto, S.H. 7827
Hadjivulcheva, E.N. 8438
Hadley, W.K. 915, 5950, 11407
Hadziomerovie, A 3488
Haefelein, J. 9941
Haefeli, C. 12841
Haeger, K.P. 5782
Haeggman, S. 8954
Haeggstroem, M.H. 8160, 9791
Haeivae, V.-M. 8632
Haenel, H. 9376
Haenninen, M.L. 7275
Haerkoenen, M. 3525
Hafeez, F. 1217.
Haferkamp, O. 7212
Hafez, H.M. 13379.
Hafez, K. 3926, 6033
Hafford, J. 889
Hafiz, S. 2929, 8770.
Hafner, E.W. 2641
Hagedorn, C. 1169, 9432, 13472
Hageman, R.V. 4927.
Hagen, D. 7676.
Hagen, N. 9507.
Hagenmaier, H. 293.
Hagenmuller, F. 4505.
Hagens, F.M. 7259.
Hagenzieker, J.G. 12332
Hager, D. 796.
Hager, L P 3983, 4908.
Hager, T.A. 190.
Hagerdorn, H.J. 9184.
Haggard, D.L. 10262.
Hagihara, B. 7466.
Hagino, H. 2730.
Hagiwara, K. 2100.
Hagiwara, M.K. 595.
Hagstad, H.V. 13365.
Hagstroem, A. 12163.
Hahn, G. 13016.
Hahn, H. 9004, 9017, 11567, 11599, 11648.
Hahn, M.G. 3102.
Haibara, K. 2991.
Haidaris, C.G. 11593.
Haider, F. 9972.
Haider, K. 7435.
Haidri, A.A. 6006.
Haight, K. 10350.
Haile, G.S. 3277.
Hair, J.A. 8901, 10697.
Haire, M. 5238.
Hajema, E.M. 10686.
Haji, T.C. 11781.
Hajiro, A. 7168, 8037.
Hajjar, J.-J. 7015.
Hajnal, A. 9219, 10017.
Hajsig, D. 12887.
Hakey, A. 3370.
Hakkarainen, K. 9853.
Haladjian, J. 4777.
Halasa, L.N. 4233, 9741.
Halbert, S.A. 10277.
Haldane, E.V. 1753, 3321.
Haldar, S.K. 4561.
Haldenwang, W.G. 1584, 1613, 7503, 12624.
Hale, C.N. 2441, 6858.
Hale, D.C. 1307.
Hale, G. 11160, 11161.
Hale, J. 2511.
Hale, T.L. 9830.
Halen, P. 6340.
Hales, B.J. 12729.
Hales, S.G. 12426.
Halevi, J. 9282.
Haley, A.B. 2416.
Haley, M.S. 3785.
Haley, R.W. 3553, 10522, 10526, 10530, 10537, 10540, 10567, 10577, 10581, 10585, 10587, 10590.
Halfenger, G.M. 1705.
Halford, J.G., Jr. 946.
Halford, S.E. 11139
Halim, A.J. 13215
Hall, A.P. 3503
Hall, B.D. 11273
Hall, B.G 4850
Hall, C.C. 12527, 12528.
Hall, C.E. 9372, 10642
Hall, C.F. 5263.
Hall, C.V 2941
Hall, D.H 13445.
Hall, D.O. 3934, 11115.
Hall, G.A. 1118, 7273.
Hall, G.H. 7339
Hall, G.W 9733
Hall, K. 4370
Hall, L.P 13538
Hall, M. 8531
Hall, M.J 1732, 11463.
Hall, M.L.M. 3610.
Hall, M.N 6709, 7511, 7533, 9693
Hall, R.A. 12087
Hallan, H. 11806
Hallander, H.O 1751, 5124
Hallas, L.E. 7868, 8833, 9643
Hallas, R. 11417
Hallberg, C. 2679
Hallen, A. 13204
Hallenbeck, P.C 6626, 12623
Haller, I. 8826, 11444
Halliday, K. 4418
Halling, S.M. 4110.
Halonen, P. 3392.
Halperin, J.J. 11849
Halpern, E. 1619.
Halpern, Y.S. 78.
Halpin, T.J. 6996.
Halsey, M.J. 2635.
Halstead, S.A. 81.
Halterlein, A.J. 1151
Halterman, L.D. 6815
Halushka, P.V. 5162.
Halvorsen, K. 6994
Halvorsen, S. 4232.
Halvorson, E. 10721.
Ham, G.E. 2447
Hama, M. 1708.
Hamada, M. 2796, 3040, 7595, 7635, 7802, 7814, 7931, 12908
Hamada, S. 5199, 6114, 9201
Hamada, Y. 4213.
Hamaguchi, S. 214.
Hamalle, R.J. 1130.
Hamamoto, Y. 4281.
Hamanaka, T. 3872, 4784.
Hamatani, K. 1724.
Hambie, A. 6025.
Hambie, E.A. 4248.
Hambleton, P. 10084, 11501.
Hamburger, K. 3677.
Hamby, M.K. 8369.
Hamdorf, G. 1136.
Hamdy, M.K. 3122.
Hamed, M.M. 8870.
Hamelik, R.M. 11114.
Hamill, R.L. 6774, 7639, 11355.
Hamilton-Miller, J.M.T. 324, 452, 3267, 5066, 5267, 9096, 11797, 11820.
Hamilton, B.K. 13442.
Hamilton, D.L. 4802.
Hamilton, D.V. 6266.
Hamilton, I.R. 5632, 6495, 9753.
Hamilton, L.J. 2082.
Hamilton, R. 2079.
Hamilton, W.A. 10968.
Hamilton, W.K. 1986.
Hamir, A.N. 5466.
Hammann, R. 11779.
Hammel, K.E. 144.
Hammen, C.S. 610.
Hammer-Jespersen, K. 11037.
Hammer, C.H. 8994, 10202.
Hammer, E. 4336.
Hammer, M.C. 1883, 8762.
Hammerschmidt, R. 13452.
Hammock, B.D. 5150.
Hammon, J.W.,Jr. 3478.
Hammond, B.F. 5171.
Hammond, R.C. 3850, 3883, 5657.
Hamon, D. 8706.
Hamoudi, A.C. 4696.
Hamp, S.E. 4373.
Hampshire, P. 3031.
Hampton Rich, R. 5376.
Han, C.H. 5735.
Han, S.Y. 5380.
Hanada, T. 3585.
Hanau, R. 12647.
Hanbekjan, L.M. 1426.
Hancock, E.B. 5280
Hancock, E.M. 725.
Hancock, G.A. 9662.
Hancock, I.C. 1564, 1569, 4074
Hancock, J.G. 5496
Hancock, R.E.W. 6513, 7627.
Hancock, R.L. 5827.
Hancock, R.W 6605
Hancok, J. 4103
Hancox, J. 5926
Handa, A. 1429, 6563
Handa, F. 10298.
Handa, T. 5638, 6438, 8451, 8458.
Handler, S.F. 704, 718, 724.
Handsfield, H. 2177.
Handsfield, H.H. 917, 2167, 7081, 7701, 11853.
Haneberg, B. 12028
Haneda, K. 11346
Haneda, S. 2316.
Hanefeld, F. 11868
Haneishi, T. 4153, 4160
Hang, M.M 12819
Haniu, M 8522, 12479.
Hank, J.A 11627.
Hanka, L.J. 2990.
Hanker, I. 1354
Hankin, L. 12143.
Hankins, W.A. 6121.
Hanks, J.H. 1581, 4761
Hanks, K. 9475.
Hanlin, J.H. 3093.
Hanlon, G.W. 1409
Hanlon, R D.G. 12160
Hanna, A. 4437
Hanna, B.A. 13270.
Hanna, J. 6351
Hanna, J E. 11827.
Hanna, L.S. 901.
Hanna, N.F. 10399
Hannelore, 1706.
Hanni, C. 6764.
Hanno, P.M. 1374.
Hannover Larsen, J. 529
Hanrahan, J.P. 13332.
Hansa, J.G. 6620.
Hansch, C. 6646.
Hanschke, R. 8129.
Hanselmann, K.W. 11003.
Hansen, E.B. 12515.
Hansen, E.J. 525, 8856.
Hansen, F.G. 12515.
Hansen, J.B. 11272.
Hansen, J.I. 13525.
Hansen, J.N. 2631, 2741.
Hansen, K 5979.
Hansen, O.H. 5435.
Hansen, W. 6475.
Hanski, E. 6003.
Hanslo, D. 1717, 5067.
Hansman, D. 3355, 9971.
Hanson, B. 13130.
Hanson, B.A. 2607.
Hanson, C.J. 12074.
Hanson, G. 11910.
Hanson, G.R. 11730.
Hanson, L. 6223.
Hanson, L.A. 2091, 3208, 4293, 5260, 6053.
Hanson, L.E. 24.
Hanson, V. 3502.
Hansson, H. 829.
Hansson, H.A. 11129.
Hansson, H.B. 837.
Hansson, P. 13124.
Hantke, K. 3826.
Hantman, I.E. 858.
Hanukoglu, A. 10372.
Hanus, F.J. 2454.
Hanwell, D.R. 5844.
Haot, J. 11496.
Haq, I. 8087.
Hara, C. 10533.
Hara, N. 1752.
Hara, O. 7753.
Hara, S. 3975.
Hara, T. 3891, 3894, 3896, 6594, 8448, 8677.
Harada, K. 4154, 7444, 7464, 8257.
Harada, M. 4006
Harada, S. 3975.
Harada, T. 215, 4403, 4931, 5804, 12708.
Harada, W. 3940.
Harada, Y. 6649, 8049, 11931.
Harai, T. 9716.
Haraphongse, M. 13348.
Harasawa, R. 10273.
Harayama, S. 8373, 8541, 12793.
Harber, M.J. 92.
Harbison, K. 8417.
Harboe, A. 4338.
Harboe, M. 1870, 3240, 5195, 8947.
Hardarson, G. 6426, 9482.
Hardas, U. 2004
Hardas, U.D 2219.
Hardaswick, V. 8100.
Hardebeck, H. 4724.
Hardegree, M.C. 10094.
Harden, L.B. 7214.
Harder, A. 8276.
Harder, K.J. 246.
Harder, W. 2776, 2794.
Harders, S.J. 3322.
Hardesty, B. 2705.
Hardham, L.E. 2828
Hardie, J.M. 8490, 10928.
Harding, G. 1787.
Harding, G.K.M. 3410, 8795.
Harding, M.M. 3869.
Harding, N.E. 5698
Harding, R.B. 2348.
Harding, S.A. 950.
Harding, S.M. 1037.
Hardison, C.D 10522, 10585.
Hardisson, C. 1403, 2627
Hardman, D.J. 1503.
Hardwick, D.H. 3146.
Hardwick, J.L. 13110.
Hardy, G.J. 11904.
Hardy, J.A. 4649, 10968.
Hardy, J.H. 10299.
Hardy, J.L. 10709.
Hardy, K. 12841.
Hardy, N. 7051.
Hardy, S. 8541.
Hardy, T.L. 893.
Hare, D.R 6585.
Hare, J.W. 3941
Hare, M.J. 11818.
Hare, R.S. 9936.
Haregewoin, A. 8947.
Hares, M.M. 3263
Harford, S. 11317.
Hargadon, M.T. 1923.
Harger, J.H. 6314.
Hargis, J.W. 1518.
Hargiss, C.O. 12225.
Hargrett, N.T. 10098, 10107, 10118.
Harikane, O. 10325.
Harkema, J.M. 1832, 5174, 5179
Harker, A.R. 4899.
Harlan, J.E. 6276.
Harley, R.A. 799.
Harlow, D.R. 6725, 7681
Harman, D.J. 1940.
Harman, G.E. 1200, 1248, 8136.
Harmer, M.A. 6609.
Harmon, M.C. 8326.
Harmon, R.J. 8951.

Harms, R H 2327
Harnisch, J P 3477
Harnish, B W 6700
Harold, F M 9597, 12286
Haroun, B 449
Harousseau, J L 13281
Harp, J A 10652
Harper, A.A 10088
Harper, D B 12728
Harper, H T 1145
Harper, J M 4481
Harper, P B 357, 5065, 5910
Harpster, N.K 2375, 8093
Harrell, J H 4402
Harrell, W K 6026
Harnes, H C 8148
Harriman, G R 5225
Harrington-Fowler, L 6925
Harrington, J M 13267
Harrington, P T 5902
Harrington, R ,Jr 1319
Harrington, T M 956
Harris, A B 2062
Harris, A M 2391, 5910
Harris, C L 8689
Harris, D L 1112
Harris, G C 6343
Harris, G G 10542
Harris, J A 4180
Harris, J R W 5324
Harris, L F 741, 868
Harris, M C 383, 966
Harris, M E 8935
Harris, P P 2007
Harris, R 3153
Harris, R F 7053
Harris R H 10081
Harris, R I 2406, 3375
Harris, S C 528
Harrison, A R 797
Harrison, C A 5702
Harrison, D F F 2822
Harrison, G I 113, 12329
Harrison, K J 789
Harrison, M D 2418, 5498
Harrison, M R 10592
Harrison, T G 13150
Harrist, T J 11947
Harrop, H A 2699
Harry, E G 4703
Harshey, R M 8721
Hart, A J L 10386
Hart, A L 1172
Hart, C 8792
Hart, C A 3273
Hart, D A 10076, 10083
Hart, L T 8251
Hart, M G R 1431
Hart, R J C 10260
Harter, D H 5339
Harth, G 5002
Hartig, W 6928
Hartigan, D A 5241, 6987
Hartl, D 9663
Hartl, D L 1588
Hartle, R J 9581
Hartlein, K 9621
Hartley, B S 11076, 12771
Hartley, L 4143
Hartley, M R 193
Hartley, M W 10541
Hartman, B 1461
Hartman, F C 6638, 11178
Hartman, P S 8717
Hartmann, D 4342
Hartmann, D W 5234
Hartmann, E 1769
Hartmann, G R 2744, 9684, 11042
Hartmann, H 10646
Hartmann, M 1654
Hartmann, V H 10661
Hartung, J 6462
Hartung, M 6067
Haruna, I 2893
Haruta, T 355, 895, 1025, 2134, 3016, 10578
Harvey, B A M 596
Harvey, I C 12112, 12113
Harvey, J W 10700
Harvey, K J 367, 8828
Harvey M J 9754
Harvey, R A 13403
Harvey, R F 6955
Harvey, R W S 2508, 3452
Harvie, N R 10263
Harwood, C S 169, 2723, 8245
Harzmann, R 2072
Hasan, M Z 2483
Haschke, F 2107
Hase, T 2736, 2863, 3927, 3944
Hasegawa, J 214
Hasegawa, T 3041, 4821, 6052, 6060
Hasegawa, Y 1724
Haseltine, W A 9730
Hasenbank, R 6590
Hash, J H 5153
Hashemi, S 11604
Hashi, H 6852
Hashia, R 8867
Hashimoto, A 7241
Hashimoto, H 296, 1691, 2993, 7706, 8234, 9876, 9879, 12800
Hashimoto, I 1026, 2046, 2317
Hashimoto, K 822, 4131, 6850, 12863, 13390
Hashimoto, M 300, 5934
Hashimoto, N 4275, 6137, 8341, 8950, 9318, 10259
Hashinguchi, S 6684
Hashino, H 2321
Hashira, S 985, 996, 4407
Hashizume, H 6913
Hashizume, K 322
Haska, G 12582
Haskell, C M 9036
Haskell, T.H 3022, 9948, 11395
Haskins, M E 5481
Haslam, B T 3377
Haslam, G C 4924
Hassall, C H 1732
Hassan-King, M 10185
Hassan, S 9385
Hasselgren, P O 2289
Hasselquist, S M 9216
Hassemer, C A 11872
Hassouna, S 1191, 10781
Hastings, J W 9759
Hastings, M J G 535, 7208
Hastings, R C 13413
Hasty, D L 9016, 11560
Hasuda, K 9866
Hata, Y 6438, 8451
Hatano, H 7149, 7574
Hatano, K 290
Hatano, M 3867, 5437, 9762
Hatano, T 2306
Hatat, D 6883
Hataya, M 10707
Hatch, G E 11727
Hatch, T P 2588, 6540
Hatcher, C R Jr 10448
Hatchikian, C E 6539
Hatchikian, E C 6612
Hatfield, G W 5834
Hathaway, S C 602, 3601, 5472, 6353, 9336
Hatheway, C L 3140, 7025, 8015
Hathirat, S 2292
Hattingh, M J 10743
Hattman, S 12768
Hattori, A 2756, 8195
Hattori, H 1719, 4404
Hattori, T 777, 5040, 7750
Hattori, Y 8768
Hau, T 10173
Hauber, J M 4044, 4935
Haubrich, D R 1319
Hauer, B 12377, 12436
Haug, A 3811
Haug, R H 2550, 3805
Haugejorden, O 1957, 6959
Haupt, H M 882
Hauschild, A H W 7026
Hause, L L 14
Hausen, G 13434
Hausen, H 709, 713, 714, 6950, 11689
Hauser, C A 5834
Hauser, P 11639
Hausermann, V 3572
Hausinger, R P 7534
Hauska, G 11154
Hausler, W J Jr 12192
Hausmann, R 4123
Haussmann, A 2072
Haustein, U F 8969
Haustein, U F 1943
Haut, T 3710
Hautala, J A 11263
Hauxhurst, J D 1246
Havard, C W H 9096
Havelaar, A H 6257
Havemeister, G 11002
Haverkamp, J 2555, 5583
Haverkos, H W 11748
Haviv, F 3019
Havlicek, J 12292
Hawari, A D 3632, 4547
Hawerlandova, D 11328
Hawiger, A 540
Hawk, W C 7233
Hawkins, A R 4848, 9760
Hawkins, D J 11515
Hawkins, J M 4517
Hawkins, P 11755
Hawkins, R L 7033
Hawley, D A 12532
Hay, A 2479
Hay, D R 11888
Hay, J 11688
Hay, R J 3503
Hayakawa, K 4718
Hayakawa, M 7871
Hayakawa, S 5043
Hayakawa, T 181, 182, 7604
Hayakawa, Y 5932, 6487
Hayasaka, S S 1088, 1177, 7344
Hayasaki, M 2060
Hayashi, E 7702
Hayashi, F 8257
Hayashi, H 3867, 7567, 12945
Hayashi, J 10956
Hayashi, K 51, 2789, 3033, 3994, 9452
Hayashi, M 2801, 4154, 6614, 7694
Hayashi, N 8234
Hayashi, S 123, 2099, 4958
Hayashi, T 7715, 11360, 11362
Hayashi, Y 4253
Hayashida, S 270, 6668, 6854
Hayaski, I 759
Hayatsu, E 6894
Hayday, H 2344, 10302, 10679, 13100
Hayden, G F 10404
Haydock, K P 4549
Hayers, F 11445, 12049
Hayes, A L 4624, 12131
Hayes, M L 5277
Hayes, M V 5802
Hayes, P S 742, 7142, 9662
Hayes, S F 9383
Haygood, R A 9389, 9421, 12106
Hayja, Z M A 2416
Haymond, R E 2113
Haynes, V 4406
Haynie, T P 8977
Hayward, A C 3668
Hayward, S B 6550
Hayzer, D J 171
Haz, T C 6895
Hazela, S 2603
Hazelbauer, G L 8373, 12793
Hazenberg, M P 10223, 10278, 11618
Haziza, C 6695, 8664
Hazlett, L D 997, 6008
Hazlewood, C F 2240
Hazlewood, G P 1540, 2811
Hazuda, D 8672
Hazum, S 4096
He, G 12237
Head, J 1342
Headings, D L 4485
Heagerty, A M 6151
Heald, C 5380
Heald, C W 2393, 8951, 12069
Heap, A J 1161
Heap, H A 6788
Heard, J T Jr 2870
Hearne, P 12814
Hearst, J E 6596
Heasley, L E 6725, 7681
Heath, H E 12683
Heath, K B 13412
Heaton, F 6173
Heaton, J W Jr 10473
Heaton, T C 3656
Hebbel, R P 9204
Hebert, J C 3609
Hebert, W O 465, 3122
Hebertson, R 11987
Hehjoern, S 11814
Hechemy, K E 11528
Hecht, D W 2947
Heckels, J E 5603, 10267
Hecker, R V 8385
Heckly, R J 5704
Heckmann, R 2347
Heckmann, R A 3586
Heckscher, T 12010
Hectors, M P C 10725
Heczko, P B 667, 3270
Hederstedt, L 8603
Hedges, R W 4986, 4998, 5004, 6756
Hedgpeth, J 12779
Hedley Whyte, J 13149
Hedley, J 12112
Hedlund, K W 5157
Hedlung, K W 7905
Hedrick, J L 3281
Hedrick, L 12379
Hedstroem, S A 1935, 7161, 8979, 11571, 11583, 12973, 13023
Hedstrom, R C 2742
Hedstrom, S A 2203
Heefner, D L 9596, 9597
Heel, R C 3038, 4171
Heeren, R 7551
Heessen, F W A 9950
Heffernan, L 4797
Heffron, F 5826, 7685
Hefti, A 6103, 6158
Hegazi, N A 7417, 9483
Hegde, S V 7322
Hegeman, G D 2687, 2786, 6681
Heger, J 422
Heggers, J P 5430
Heggie, A D 2190
Hegna, I K 38
Hehre, E J 4905
Heichel, G H 5542, 6426, 9482
Heidbrink, P J 6109
Heidelberger, M 7920
Heider, G 12056
Heider, L E 7363, 13389
Heider, V G 10644
Heidt, G A 5452
Heierson, A 1657
Heifetz, C L 3022
Heifetz, S B 10308
Heiland, I 6720, 9827
Heilig, B 10623
Heilmann, L 9689
Heilmann, P 7930
Heim, H 1103
Heimbach, D.M 6152
Heimburger, D.C 2067
Heimdahl, A 9069, 10282
Heiming, E 9268
Heimpel, H. 6156
Hein, H 3510
Hein, J 7918
Heindel, N D 437
Heinemeyer, O 2456
Heinicke, W 12056
Heinkel, K 11764
Heinonen, J 2754
Heinonen, O P 709, 713, 714, 6950, 11689
Heinrich, E 7733, 11251
Heinrich, R 13341
Heinrich, S 11444
Heintz, N 5857
Heinzel, M 11470
Heinzer, F 11246
Heinzer, I 504
Heipert, J 13177
Heise, V.H 2171, 8805
Heisey, G B 1076
Heisler, O.R 306
Heisterberg, L. 11814
Heite, H J 9182, 9183
Heitmann, J 3576, 5486, 7229, 9359
Hejl, B L 11814
Hekman, A 5245
Hekster, Y A 2268, 5330, 9147
Helander, I 3131, 5176, 5604, 12980
Helbach, M 1578
Held, H R 175
Held, K D 2699
Held, S 10775
Helfman, W B 12675
Helgason, S. 2554, 2561
Helgerson, S D 11489
Helias, J -P 2115
Helin, I 6017
Helinski, D.R 5833, 11309, 11313,
Hellberg, K 3475
Heller, A 1857
Heller, I 497, 3134
Heller, K 2901
Heller, K.B 4739
Hellerqvist, C G 492
Hellgren, L 4069, 12717
Hellgren, V.L. 1927
Helling, B 1667
Helling, R B 1667
Hellingwerf, K J 146, 2591, 4715, 11027
Helliwell, C J.V 6252
Hellmann, A 11908
Hellmann, E 7934, 11484
Hellwig, D 6343
Hellwig, M 2645
Helm, E.B 3511, 4505, 10545
Helman, J 11686
Helmick, C 2271
Helminen-Pakkala, E 712
Helms, C M 7184, 11490, 11943
Helmstetter, C.E 2931, 6698, 6740
Heloe, L A 6959
Hemken, R H 4570
Hemken, R W 3563
Hemmeloff Andersen, K E 7132
Hemmi, K 300, 5934
Hemstreet, G.P ,III 13337
Henckes, G 5721
Hendawy, D S 10318
Henderson, C 5929
Henderson, F W 11745
Henderson, P J F 9593
Henderson, R A 2340, 11025
Hendler, S S 12675
Hendley, J O 6121, 7071
Hendrickx, B 4442
Hendriks, W D H 7223, 13361
Hendrix, R 5825
Hendrix, R W 5849
Hendry, D.A 7293.
Hendry, G.S 8214
Hendson, M. 1631
Hendy, P.G. 2391
Hengstenberg, W 7526, 11
Henis, Y 1430, 2649, 3660, 3701, 3725, 8258, 12096
Henley, M W. 1101
Henmi, K 7168, 8037
Hennam, J. 11265.
Hennekens, C H 8000
Hennemann, H. 9
Hennemann, H.H 9110
Hennessey, R. 3498.
Hennessy, J.N 2082, 9987
Henning, U. 6608, 9590, 12
Henning, V.T 13442
Henningsen, E.C. 3083
Henretig, F M 4449
Henriksen, K 13525
Henry, M.-F 7573, 9669
Henry, R L. 3317, 4385
Henry, S. 12718
Henry, S.C. 10645
Hensel, H 11563
Henson, C.L. 2537
Henstridge, R.M 9476.
Hentges, D.J 1543.
Hentschel, A.P L. 13136
Hepburn, A.G. 13423
Hepler, C.D 1937.
Hepp, W 2299.
Heppel, L.A. 4854
Herath, H M W 2467
Herbage, D. 3841
Herbert, D.A. 948, 8061
Herbert, D.L. 5315
Herbert, R A. 1545, 8421
Herceg, M 5489, 12075.
Herchl, R 4260
Herczegh, O. 12820
Hergt, T 410
Hering, C 8691
Heringer, M.R. 10744
Herlihy, E 3538
Herlihy, K.J 10089
Herlihy, W.C 4926
Herlin, T 594
Herman, A.G 493
Herman, G.E. 7613
Herman, L G 8347
Herman, P G 13154
Herman, R.E 5013
Hermann, G. 504, 3268
Hermann, T.E 3042
Hermanns, W 13397
Hermans, P.E. 13328
Hermansson, M. 12162
Hermerath, C.A 6056
Hermle, M 8890
Hermodson, M.A 6628, 7535.
Hernalsteens, J.P 5880
Hernandez Gimenez, E. 5963.
Hernandez-Cardona, J.L. 8778
Hernandez-Velarde, R 6829
Hernandez, F 9678, 11090
Hernandez, J.J.C. 7063
Hernando Avendano, L. 877.
Herr, S 6, 6345, 12064, 12065 12070
Herraez, M.A 11153
Herrault, A. 4366
Herren, C.E 10704
Herrera, N 1706
Herrero, C.C. 11948
Herrero, E. 2743, 8437
Herrick, M. 7351
Herrin, G.L 11426
Herrmann, K.M 6628
Herschman, H.R 1827.
Hersh, E.M 3251, 8977
Hershey, J W B 1445, 7504, 12
Herskowitz, I 7676
Hersman, L.E 3692, 8168, 820
Herst, P.M 12794
Herten, R.J 9185
Hertz, J B. 4308, 8931
Herva, E 553, 775, 3313
Herve, P 13028
Herwaldt, L A. 10115
Herzog, A. 11430
Herzon, F S 13262
Hespell, R.B 97, 370, 2671, 9320, 9324, 12455
Hess, B 3887
Hess, D 1214, 4623
Hess, J E 10986
Hess, M.L 484, 6873
Hess, R T 12086
Hesse, V 6350
Hester, M.G 4176, 4465
Hetherington, C M 6218
Hetland, L 11685
Hetrick, F M 4267
Heumann, H 6170, 11159

enroeder, M.W. 70
itt, J. 1901, 9783, 11545, 13243.
le, E. 11138.
den, G. 11687
m, G.A. 1620.
man, M.B. 11774
mes, R. 5058.
nig, V.H. 10807
t, R.A. 13198
ard, B.M. 13322
no, K. 7633.
tey, A.J. 6315
din, M.D. 2576
cman, F.W 3485, 6484, 7261
ts, W G 5453
tson, I D 5840
ton, C M 6208
ck, P I 6465
aka, H 4149
aka, M 4095
e, G A 4607
rholzer, W 964
maux, J 10159
maux, J R 8967
sse, C 4331
tala, S 8845
t, W 4354
aki, M 5148
ashi, G.I. 7289, 7936
ashi, S. 3834, 8636
ashi, Y. 5607, 12748, 12755
gins, C.F. 1601, 2861, 11040
gins, G.A. 11786
gins, I J. 2642, 2769, 3850,
3883, 5657.
gins, M.L. 1333, 1372, 12516
gins, R 109, 1078, 1096.
1121, 7234
ggins, R J 5469
ggs, I 8014
ghsmith, A K 9662
ghtower, A 3377
ghtower A W 10509
go, K -I 7524
guchi, J.H. 7979
guchi, M. 8466
guchi, R. 4144
guchi, T. 5961
guchi, Y. 3868, 5683
jnen, W.A.M. 12392
kasa, Y. 2321, 7168, 8037
lbers, C.W. 7522
ldebrand, D.C. 1326, 12104
lgert, I. 8653.
ll, A. 2546, 3413
ll, A.J 436.
ll, A W 1120, 2365, 4567
ll, C D 13146
ll, C W 6700
ll, D 2336
ll, D E 12143
ill, G 12185
ill, G D 7249.
ill, G W. 7807.
ill, H R. 4341, 5248, 6105
ill, J M. 8072, 13347
ill, M J 7371
ill, M J 13065
ill, N O 8072
ill, P L 11866.
ill, R H 8082
ill, W E 4806, 4822, 4824, 9689
Hillbom, M 10432
Hille, J 2914, 2926
Hillebrand, G 9101
Hilleman, M R 640
Hillen, W. 5817, 7659, 8680, 12778.
Hillenbrand, G. 4141
Hillier, A.J. 12468
Hilliger, H.G. 6462.
Hillman, J.D. 9084
Hills, F.J. 1153.
Hilson, G.R.F. 3202.
Hilton, M.D. 6575
Himeno, K. 5208.
Himeno, M. 83.
Himes, E.M. 501, 6337
Himes, R.H. 4924
Himmel, M.E. 8868
Hinaidy, H.K. 1115.
Hinchliffe, E. 5878, 5882
Hinckley, L.S. 7271.
Hindennach, I. 9590.
Hindley, J. 12090.
Hinds, M. 6742.
Hines, M.E. 12154
Hinkle, A.M. 341
Hinkle, D C 5702
Hino, H 7413.
Hino, Y 10618
Hinoo, H 7750
Hinostroza, S. 1010.
Hinotozawa, K. 11346.
Hinrichs, A. 9919
Hinshaw, L.B. 8881, 8894, 11962
Hinterberger, W. 1036.
Hintermann, G. 250, 7496.
Hinton, D.M 9821.
Hinton, J.F 11350, 11351
Hinton, N.A. 2082, 9025
Hinz, H.J 4912
Hinz, K.-H. 2372, 4330
Hinz, U. 11300
Hinze, H 239
Hipskind, R. 2935
Hira, J. 3507
Hira, S.K. 9192, 10434
Hirachi, Y. 6913.
Hirai, K. 1514, 3566, 3633,
7241, 7256, 7397, 10031
Hiraiwa, M 2320
Hiraki, K. 3872, 4784
Hirama, Y 1743, 3539, 9087
Hiramatsu, R. 12328.
Hirano, A. 296, 2993, 11346
Hirano, S 3863, 6522, 6531, 9660
Hirano, S.S. 12121
Hirano, Y 445
Hiraoka, A. 5218
Hirasawa, K. 5278
Hirasawa, M. 1124.
Hirasawa, S. 2046, 2317
Hirata, A. 7241
Hirata, H 2625
Hiratsuka, M 2035, 9214
Hirayama, N 298, 7149, 7470
Hirayama, T. 1002, 6047, 12721.
Hirche, H. 3524.
Hirel, B. 10767
Hirochika, H. 6736, 12849.
Hiromatsu, K. 354, 2191, 5099
Hirono, I. 10723
Hirose, K. 1692, 3129
Hirose, M. 1752
Hirose, S 4930
Hirose, T. 3194, 8091
Hirota, N 2623, 6517
Hirota, T. 9794
Hirota, Y 83, 95, 2911, 8163,
8700, 12799, 12814
Hirsch, C.F 10977.
Hirsch, G. 10445
Hirsch, H.A 7056
Hirsch, P. 4708.
Hirsch, P.R 2921
Hirschl, A. 11985
Hirschl, A. 7846
Hirschmann, J.V 615, 6284
Hirschowitz, A.S. 708
Hirsh, D C 3050
Hirshaut, Y 506
Hiruma, R 10964
Hirvelae, V 4685
Hisamatsu, M. 5804, 12708
Hisamatsu, T. 7809, 11364
Hisaoka, M 5923
Hisatsuka, K. 5639
Hisatsune, K. 5801, 9796, 10075
Hitchener, B.J. 9552
Hitchner, S B 7397
Hither, E. 9301
Hiti, A.L 1624
Hiura, H 3936
Hjelm, E. 13204
Hjerten, S. 5051, 10356
Hladikova, B 9703
Ho Ahn, C. 776
Ho, C. 4730
Ho, G.-H. 10896.
Ho, G.,Jr. 7204, 11968
Ho, I. 5300, 5302, 5333, 5439, 9731
Ho, K J 5380
Ho, P 10494
Ho, P W.L. 314.
Ho, R.I. 6624
Ho, S.U 5339
Hoare, J.H. 9751
Hoare, R.J.T. 10672
Hobbs, G. 8252, 8287, 8288,
8289, 8290, 8291, 8292, 8421,
8422, 8591, 8728, 8819, 8935,
8936, 9230, 9231, 9232, 9450,
9499
Hobbs, W.B 3608.
Hoben, H.J. 12210.
Hobom, G. 2859
Hobot, J.A. 9598.
Hobson, D 4683, 5559
Hobson, P.N 1125, 6380
Hoch, J.A. 2855.
Hochberg, F.P. 8913
Hochhut, R 7189.
Hochman, A. 1548, 3876
Hochmannova, J. 8742, 9878
Hochstein, L. 4202.
Hodapp, N. 1413.
Hodate, K. 5624, 10046
Hodges, G.R. 1020, 2195
Hodges, N.A. 1409.
Hodgson, D.A 2851.
Hodson, M.E 9261.
Hodson, R.E. 2481, 6530
Hoebeke, J. 588
Hoede, N. 1947
Hoeffler, D 6228, 12017.
Hoeffler, U 667, 3270, 8621, 11439.
Hoefle, G. 3100, 7713, 11361
Hoegberg, P. 12144.
Hoegenauer, G. 12934.
Hoeiby, N. 4308, 11396, 11712.
Hoejer, H. 10381.
Hoejgaard, C. 12010.
Hoeks, J 8208.
Hoeksema, H. 7721, 11348.
Hoekstra, W P.M. 12831
Hoeller, H. 3558
Hoenger, B. 2270
Hoenig, E.M. 5340, 11914.
Hoeoeg, J.-O. 11149, 12553.
Hoeprich, P.D. 887, 5444
Hoerhold, C. 7457
Hoernchen, H 3327
Hoerning, R. 13296.
Hoerstke, M. 13060
Hoerz, W. 8510.
Hoest, J.H. 12028.
Hof, D.-G. 3196.
Hof, H. 3583, 3627, 6116, 8991,
10040, 10923.
Hof, T. 12356.
Hofer, H W. 4004, 4928.
Hofer, M. 11267
Hoff, A.J. 143, 7489.
Hoffer, E. 7991.
Hoffer, M.A. 6923.
Hofferek, B. 3489.
Hoffken, G. 9100
Hoffman, B.M 3886.
Hoffman, H.J. 6239.
Hoffman, J.A 9704.
Hoffman, J.H 186.
Hoffman, L.H. 11825
Hoffman, P.S. 2688, 3997
Hoffman, R.E. 7171.
Hoffman, T.A. 765, 3029
Hoffmann-Berling, H. 7495
Hoffmann, D. 3227, 6076
Hoffmann, D.F. 1129
Hoffmann, E.M. 6029
Hoffmann, H.-G. 10431
Hoffmann, H.G. 8013
Hoffmann, J. 6076.
Hoffmann, W. 10412
Hoffmeier, C 5021, 10004
Hofhuis, F.M 10221.
Hofhuis, F M.A. 3235, 4343
Hofkin, G.A. 1029
Hofler, K.-H. 637
Hofmann, C.E. 10473
Hofmanova, J. 1282
Hofnung, M 2887, 2888, 8696, 12766.
Hofschneider, P.H. 9828
Hofstad, T. 1572, 1864, 3500,
8321, 9795, 11386, 12719
Hofsteenge, J. 7545.
Hofstetter, A. 5056, 9163
Hofstra, H 3183.
Hogaki, M. 2103
Hoganson, E.D. 3972
Hogben, E.M. 12051
Hogenkamp, H.P.C. 4775
Hogg, R.W 265, 7525, 7535
Hohenauer, L. 11881
Hohenberg, J.S. 2437, 13504
Hohenfeldt, P R. 11381.
Hohl, H.R 3072
Hohl, R 4671
Hohn, B. 5030
Hohn, T 5030
Hoiby, E. 3460
Hoiby, N. 8931, 12026.
Hoidal, J R. 1331, 3196, 4322, 6088.
Hoisie, S. 6180, 6181
Hokonohara, M. 7110
Holbein, B.E. 1085, 4283, 13009
Holbert, D. 10697
Holbrook, K. 10525
Holbrook, W.P 6260, 12735, 13176.
Holck, S.E. 3363.
Holdeman, L.V. 6101, 8319, 12611
Holden, F.A. 10350
Holder-Franklin, M.A. 2491
Holder, I.A. 1763, 5614, 10177
Holdstock, G. 8038.
Holl, W.H 7029
Holladay, L.A. 5153.
Hollaender, R. 9666, 10888, 13356
Holland, E.J. 10186.
Holland, I.B. 6601, 8437, 8540
Holland, J W 3688.
Holland, K.T. 677, 2768, 4360
Holland, R.L. 479
Holland, S. 11133.
Hollen, C.R. 9102.
Hollenberg, C.P. 5819.
Holley, E.A. 261.
Holley, H.P.,Jr. 6967.
Hollick, G.E. 2762, 5795.
Holliday, M. 5504
Holliday, M.G 6985.
Holliday, M.J. 2404, 3672
Hollis, A.B. 1441
Hollis, D.G. 4951, 6474, 6484,
6677, 8331, 10897.
Hollocher, T.C. 4049, 4639,
6515, 8404, 12421, 12425.
Holloway, B.W. 2918, 2927,
3073, 9864, 10001
Holloway, L. 1095
Holloway, W.J. 7163, 11855, 13225.
Holloway, Y. 9622.
Holm, E. 3425
Holm, J. 2289.
Holm, S. 3471
Holm, S.E. 550, 1685, 1702, 11550.
Holmberg, L. 6219
Holmberg, L.A. 4313.
Holme, T 4737, 13007
Holmes, B 2562, 8315, 8331, 9146.
Holmes, D.R 4480
Holmes, D.S. 8736.
Holmes, E. 11561.
Holmes, F.F. 5409, 6204.
Holmes, G.L 889
Holmes, K.K. 916, 917, 919,
2158, 2177, 2511, 2542, 5345,
6100, 7041, 7187, 7701, 8378,
11802, 11853, 13202, 13226.
Holmes, K.V. 6512.
Holmes, M.B. 12927.
Holmes, R.K. 11032
Holmes, S.W. 1732.
Holmgren, A. 3942, 11129,
11149, 12553.
Holmgren, J. 11785, 11787.
Holmlund, D. 550.
Holmstroem, B. 6936, 6938, 6939.
Holowachuck, E.W. 243, 1597.
Holschuh, K. 8498.
Holshuh, H.J. 7236.
Holson, B. 7166.
Holst, E. 6017, 9560.
Holt, E.C. 9429
Holt, G. 8788, 8789, 9820
Holt, G.R 6199, 11913.
Holt, J.G. 8275.
Holt, P. 7107.
Holt, P.A. 8058
Holt, P.E. 9209.
Holt, R.D 11681.
Holt, R.G. 11272.
Holt, S.C. 2364, 9564, 12325.
Holten, D. 2683.
Holth-Haug, R. 2534.
Holton, J 7976.
Holtsclaw, S.A. 758
Holtzer, E. 8709.
Holtzhauer, F.J. 6996
Holubova, I. 2910
Holz, I. 7398, 9782
Holzer, H. 239
Holzer, T.J. 6090
Holzle, E. 3262.
Holzman, R.S. 2249, 3553
Holzman, T.F. 1423.
Holzmann, A. 11985
Homberger, F. 7786, 7823
Hombrecher, G. 12803, 12851, 12862.
Homma, J.Y 1891, 3129, 3187,
4299, 4729, 7800, 7933.
Homma, K. 3944.
Homma, N. 13305
Homma, Y. 10149.
Honda, T. 3126, 3127, 3128,
5148, 10111, 12972
Honegr, K. 5276.
Hong, J.-S. 244, 5616.
Hong, M.M. 12840
Hongo, M. 7532
Honig, B. 12284
Honigman, A. 5030.
Honigman, J.L. 3292.
Honkala, E. 710.
Honke, K. 670, 1918
Honkonen, E. 3392.
Honma, M. 2913, 4048, 7557.
Honour, J. 9072.
Honour, P. 2517.
Hontelez, J.G.J. 7664, 11334.
Honzatko, R.B. 5791, 12630
Hood, L.E. 11093.
Hood, M.A. 8239, 8243, 11929.
Hoogsteen, K. 1555.
Hook, L.A. 4772.
Hooke, A.M. 10264
Hookham, A.B 10442.
Hooper, A.B. 4865, 11182, 11189
Hooper, D.C. 11058.
Hooper, G.R. 9392.
Hoopes, J.M. 3396.
Hooton, T.M 10522, 10526,
10537, 10585, 10587, 10590.
Hoover, W.H. 10994.
Hooykaas, P.J.J. 5037, 12807, 12825
Hope-Simpson, R.E. 7978.
Hopf, H. 3873
Hopfer, R.L. 3368, 3796, 5445.
Hopkins, D.L. 13441.
Hopkins, J.D. 11271, 12927.
Hopkins, R.S. 1934.
Hopner, F. 7129, 7131.
Hopp, H.U. 2974.
Hoppe, H.-U. 7636.
Hoppe, H.U. 11247
Hopper, R.J. 5255
Hopwood, D.A. 6760, 11315, 12846
Hoquet, F. 1096.
Horadam, V.W. 10464.
Horak, E. 7859.
Horan, A.C. 2986, 8300.
Horan, N.J. 12703.
Horan, T.D. 6896
Horatz, M. 563.
Horenstein, S. 7065
Horh, S. 290.
Hori, K. 3965, 4862
Hori, M. 895, 1720, 1721, 3015,
4028, 4940, 5044, 7595.
Horie, K. 3909.
Horie, M. 1899.
Horie, S. 9630
Horie, T. 4911
Horii, T. 3927
Horikawa, A. 10885.
Horikawa, M. 3314.
Horikawa, S. 3067, 6600, 7595.
Horikoshi, K. 4089.
Horino, I. 5655.
Horinouchi, S. 6744, 6745.
Horio, T. 3936, 8576.
Horiuchi, M. 7270.
Horiuchi, N. 9942.
Horiuchi, T. 4026.
Horiuchi, Y. 2796.
Hormaeche, C.E. 4271
Horne, D. 388.
Horne, R.D. 10715, 12053.
Horner, I.S. 5212.
Hornick, D.L. 1357.
Hornick, R.B 1401.
Hornor, S.G. 9433
Hornstein, S. 10408.
Horodniceanu, T. 7838.
Horowitz, B.Z 995.
Horowitz, H. 1460, 7648, 7649,
13115
Horowitz, H.S. 3303.
Horowitz, I. 7143
Horowitz, P.M. 12609.
Horrigan, S.G. 1234.
Horsch, F. 10644
Horsley, R.W. 8427.
Horstmann, H. 10245.
Hortling, L. 819.
Hortobagyi, G.N. 3251.
Horton, I.M. 704, 724, 4378
Horton, J. 11997, 13319.
Horton, J.E. 2355.
Horvath, I. 5562, 5663.
Horwitz, A.H. 4797.
Horwitz, P.M. 8567.
Hose, J.E. 7261.
Hosea, S.W. 557, 10195.
Hoshino, T. 7743, 12914.
Hoshiwara, I. 13310.
Hoshiwara, T. 2199.
Hosking, N. 5402.
Hosny, I. 12384
Hosono, A. 6471.
Hostalek, Z. 7421.
Hostetler, C. 13271
Hostetter, M.K. 9057.
Hoszowski, A. 3115.
Hotani, H. 10938.
Hotu, S.L. 9377.
Hotson, J.R. 931.
Hotta, K 3054, 3068.
Hotta, M. 1719, 1752, 4404.
Hotta, S. 9068, 9233, 9452.
Hotz, P. 11684.
Hou, C. 1554.
Hou, C.T. 4015, 8416, 12590.
Hou, J.-L. 12276, 12278.
Houang, E.T. 797, 6196.
Houck, L.V. 910.
Hough, J.A. 1248, 8136.
Houghton, M.P 1259.
Houghton, R.L. 4250.
Houghton, S.B. 1044, 2330, 3809
Hourdebaigt-Larrusse, P. 7151.
Housley, P.R. 7614.
Houssin, C. 8374.
Houston, C.W. 447, 461, 4122.
Houvenaghel, A. 11494.
Houwers, A. 3689.

Hovding, G. 3265
Hovig, B. 4435, 5421.
Hovind-Hougen, K. 5203.
Hoving, H. 7579.
Hovis, J.G. 1497.
Hovom, B. 2859.
Howard-Flanders, P. 8671.
Howard, A. 3884.
Howard, A.J. 8014.
Howard, C.J. 4332, 5574, 9012.
Howard, E.B. 850, 7236.
Howard, J. 6993.
Howard, J.B. 5778, 7534
Howard, K.S. 12344.
Howard, L.V. 8383.
Howard, R.J. 17.
Howat, A.P. 1965.
Howe, J.G. 12749.
Howell, J. McC. 8879
Howell, J.T. 1754.
Howie, V.M. 648.
Howland, C. 3241.
Howland, K.H. 2403, 8634.
Howlett, C.R. 4278.
Howlett, G.J. 9739
Howse, J.N. 3612.
Hoy, M.A. 12086.
Hoy, W.E. 969.
Hoyer, H. 2149.
Hoyme, U.A.B. 7056.
Hoyt, D.B. 11876.
Hoyt, E.M. 7162.
Hoyt, J.W. 10532.
Hoyt, N. 11880.
Hoyt, N.J. 9112.
Hoyt, P.R. 12114.
Hrabak, E.M. 2630, 13483.
Hradil, V. 5545.
Hranueli, D. 12224
Hrebenda, J. 11283.
Hren-Venclj, H. 4383.
Hribalova, V. 7900.
Hribernik, T.N. 9356
Hryncewicz, K.G. 9006
Hsiao, H.Y. 1392.
Hsieh, W.-T. 9702.
Hsu, C. 6009.
Hsu, C.-C. 10108, 11510, 12209.
Hsu, C.-Y. 11091.
Hsu, C.C. 6870.
Hsu, C.Y.J. 7514.
Hsu, H.-Y. 11917.
Hsu, J.C. 10811.
Hsu, P. 89.
Hsu, S.C. 7857.
Hsu, Y.-P. 3232.
Hu, C.-K. 13245
Hu, C.Y. 4849, 9739.
Hu, P.C. 7919, 11727.
Hu, Q. 12279.
Hu, S.I. 4889
Hu, Z.-H. 10857.
Hua, A. 684.
Hua, S.-S.T. 1542.
Hua, S.S. 7530.
Hua, T.-C. 1675.
Huaifeng, M. 9684.
Huang, C.-H. 10746.
Huang, C.-Y. 2439.
Huang, C.T. 3481.
Huang, G.G. 3022.
Huang, H. 13013.
Huang, K. 3574.
Huang, M.-L. 8415.
Huang, M.T.F. 610.
Huang, P.-M. 13183.
Huang, P.Y. 9391.
Huang, S. 5169.
Huang, W. 12237.
Huang, W.-R. 10896.
Huang, X.-C. 10857.
Huang, Y. 7919.
Huange, C.T.L. 1401.
Hubacek, J. 2910, 5019, 8807, 9881.
Hubald, J. 7930.
Hubalek, Z. 9553
Hubbard, G.B. 1077.
Hubbard, M.J. 580.
Hubbard, T. 6100.
Hubbell, D.H. 5519
Hubbell, G. 11939.
Huber, E.G. 13057.
Huber, H.E. 8872.
Huberman, M.H. 1669.
Hubert, P. 5534.
Hubrechts, J.M. 8802.
Hubschmann, O.R. 6241.
Huby, C.L. 1761.
Hucheson, R.H.,Jr. 9149.
Huck, S. 485.
Huckstep, L.L. 11349.
Hucul, J.A. 6740.
Huddleston, R.L. 8413.
Hudiono, H. 11669
Hudson, J.R. 9589
Hudson, P.B. 7808.
Hudspeth, A.S. 1993.
Huebner, J. 12632.
Huebner, K. 5863.
Huedig, H. 11203.
Huehnermund, G. 7282.
Hueller, E. 7457.
Huelsheger, H. 5143.
Huelsmann, W.C. 1814
Huet, Y. 8045.
Huetter, R. 250, 3713, 5647, 7496, 8599.
Huf, E. 7786.
Huff, E. 6671.
Huffaker, R.C. 5665.
Huge, T.L. 3688.
Huger, A.M. 9385.
Huggins, M.B. 1858, 8722.
Hugh, R. 10882.
Hughes, A. 3840.
Hughes, C. 3045, 5952, 8991, 11479.
Hughes, D.L. 1118, 7273.
Hughes, E.S.R. 2287.
Hughes, G.R.V. 4508.
Hughes, J. 107.
Hughes, J.B. 4250.
Hughes, J.M. 7017, 13160.
Hughes, P.E. 12738.
Hughes, R.K. 7424.
Hughes, T.A. 3682.
Hughes, T.B. 11804.
Hughes, T.P. 1849.
Hughes, V. 6752, 10007.
Hughes, V.M. 9891.
Hughes, W.T. 5292, 10519.
Hugo, W.B. 2686.
Hugoson, A. 3290, 4368, 11693.
Hugovieux-Cotte-Pattat, N. 11269.
Huguenel, E.D. 8439.
Huguet, B. 6232.
Huhta, N. 3200.
Hui, L.K. 6856.
Hui, W. 2523.
Huijghebaert, S.M. 12613.
Huisman, H. 1440.
Huisman, O. 12766.
Huisman, O.C. 5496
Huisman, W. 9715.
Huizenga, K.A. 818.
Hulanicka, D. 248, 12651, 12790.
Hulcher, F.H. 11223.
Hulett, F.M. 6620.
Hull, B.P. 5312.
Hull, D.S. 5431.
Hull, R.A. 89.
Hull, S. 11289.
Hull, W.E. 3977.
Hultman, E.H. 8021.
Hultmark, D. 543, 3227.
Hultqvist, E. 13101.
Humbert, G. 3535, 9939.
Humble, M.W. 12900.
Hummel, I. 2974.
Hummell, D.S. 3186.
Humnabadkar, K.M. 10884.
Humphrey, A. 9624.
Humphrey, A.E. 12600.
Humphrey, B.A. 12359.
Humphrey, D.T. 12592.
Humphrey, J.D. 9353, 9355.
Humphrey, T.J. 9325.
Humphreys, G.O. 2912.
Humphries, M. 7403.
Hungate, R.E. 7461, 12037.
Hungerford, D.S. 7135.
Hunkapiller, M.W. 11093.
Hunt, A.G. 5616.
Hunt, B.W. 8914.
Hunt, D.A. 1274.
Hunt, H.W. 9437
Hunt, J. 3652.
Hunt, J.B. 5777.
Hunt, J.C. 12664.
Hunt, J.G. 4458.
Hunt, J.L. 10543.
Hunt, J.M. 465.
Hunt, P.G. 9470.
Hunt, T.K. 10562.
Hunter, A.M. 1991, 10341.
Hunter, A.R. 6374, 10699.
Hunter, D. 4551.
Hunter, E.F. 1844, 10660
Hunter, J. 10877.
Hunter, J.E. 2411, 10742.
Hunter, J.M. 2062.
Hunter, K. 2495.
Hunter, M.G. 12773.
Hunter, P.A. 3445.
Hunter, P.T. 9225.
Hunter, S.W. 219.
Hunter, T. 9824.
Huovinen, P. 11458, 12956.
Huq, A. 4648.
Huq, M.I. 11754, 13160.
Hurley, L.H. 3053, 7632.
Hurley, R. 8075.
Hurse, A. 367, 3472.
Hurst, A. 3840, 4152.
Hurst, G.A. 776, 6165.
Hurst, J.K. 6926.
Hurst, L.C. 5432.
Hurt, E. 11154.
Hurtgen, J.P. 1272.
Hurtrel, B. 5249, 10215, 12424.
Hurtrel, M. 5249.
Hurvell, B. 9230.
Hurwitz, B. 9410
Hurwitz, J. 4128.
Husain, S.S. 1518.
Husebye, T. 12028.
Huser, H. 1496, 4057, 11507.
Hushovd, O. 11211.
Hushovd, O.T. 11118.
Hushoved, O. 3805.
Huss-Danell, K. 10783.
Huss, H.H. 9450, 13535.
Hussain Qadri, S.M. 2556, 4702.
Hussain, I. 12547.
Hussain, M. 8515.
Hussain, Z. 4432.
Hussein, S. 3826.
Husseini, R. 3085.
Husseini, R.H. 7863.
Hussels, H. 8855.
Hussels, H.-J. 11376, 11446.
Husson, J.L. 3520.
Husson, M. 2999, 5096.
Hussong, D. 5575.
Hustedt, H. 11173.
Hutchinson, C.R. 7696.
Hutchinson, E.C. 5337.
Hutchison, D.M. 12611.
Hutt, M.P. 3022.
Hutter, R. 9629, 12198.
Huttunen, R. 6291.
Huwe, B.B. 1981.
Huxsoll, D.L. 577, 1867, 6046, 10732.
Huybregts, A.W.M. 3560.
Huyghe, D. 9305.
Huynh, B.-H. 11107.
Huynh, B.H. 9740, 11103.
Huynh, T.V. 1613.
Hvidman, L. 7941.
Hyakutake, S. 7252.
Hyams, K.C. 685.
Hyatt, A.C. 4398.
Hyde, C.S. 7367.
Hyde, D.R. 7707.
Hyde, J.P. 2284.
Hyde, R.M. 555.
Hyinsky, V.V. 11007.
Hylton, W.E. 10656.
Hyman, I.S. 10142.
Hyndiuk, R.A. 2229.
Hyndrakova, A. 8201.
Hynes, R.K. 12733.
Hynes, W.L. 12910.
Hyodo, S. 8963.
Hyslop, N.E.,Jr. 3342.

Iacono, V.J. 12325.
Iandolo, J.J. 5997.
Iannotti, E.L. 8419.
Iaria, S.T. 5995, 7342.
Ibata, G. 4554, 11578.
Ibe, S.N. 12792.
Ibrahim, A. 13314.
Ibrahim, G.F. 1505.
Ichihara, S. 8515.
Ichihashi, H. 3339, 4479.
Ichihashi, Y. 985, 1752, 4404.
Ichikawa, G. 1998.
Ichikawa, K. 10862.
Ichikawa, S. 2782, 2784, 6459.
Ichikawa, T. 2585, 2677, 5608, 5625, 8551, 8592, 9809.
Ichiman, Y. 6016, 7353, 8921, 13055.
Ichishima, E. 195.
Idaka, E. 4754, 7458.
Idigbe, E.O. 6051.
Idlbek, J. 9555.
Idris, M. 3707, 3720.
Iegri, F. 1729.
Ielpi, L. 5800, 12711.
Iflah, Y.D. 13415.
Igarashi, K. 702, 4369, 4930.
Iglewski, B.H. 190, 198, 4266, 6008, 6910.
Iglewski, W.J. 190.
Ignatovich, V.F. 578.
Iguchi, K. 760.
Iguchi, T. 9796, 10075.
Ihara, I. 13025.
Iida, H. 10067.
Iida, M. 6685
Iida, S. 1278, 5024, 6764, 8551.
Iida, T. 7730, 7732, 9608, 11339, 11373.
Iijima, S. 2506, 4861, 6905.
Iijima, T. 6717.
Iijima, Y. 3821.
Iino, S. 7871.
Iino, T. 254, 2503, 2872.
Iitaka, Y. 2971.
Iizuka, H. 3104, 4219, 6685, 6848, 11645.
Ijichi, H. 10618.
Ike, Y. 1691, 7706, 9879.
Ikeda, A. 8745.
Ikeda, D. 7635.
Ikeda, H. 7497, 7501, 7755, 11064, 11330.
Ikeda, T. 221, 2749, 10009.
Ikeda, Y. 7635.
Ikegami, A. 4789, 6623, 7400.
Ikehara, M. 12538, 12545.
Ikekawa, N. 2958, 7758, 11366.
Ikemura, T. 8484.
Ikenaka, T. 3975.
Ikeuchi, T. 5889, 6750.
Ikezawa, H. 9756.
Ikonnikov, N.P. 12524.
Ikura, Y. 4089
Ikwuegbu, O.A. 10637.
Ilarionov, S.A. 12734.
Ilbaeck, N.-G. 7221.
Ilfeld, D. 1873.
Ilias, M.I. 11669.
Iljina, T.P. 5706.
Ilkinsy, Yu.A. 4471.
Illarionova, R.P. 13051.
Illiano, G. 1366, 9697.
Illing, K. 3573.
Illner, H.P. 11975.
Ilmavirta, V. 12197.
Ilnicka-Olejniczak, O. 1575.
Ilyaletdinov, A.N. 11209, 12372.
Ilyicheva, R.F. 13289.
Ilyinsky, V.V. 12363.
Im, S.W.K. 9856.
Imada, A. 2991.
Imae, Y. 2623, 6517.
Imagawa, D.T. 963.
Imagawa, M. 5625.
Imagawa, T. 12748, 12755.
Imahori, K. 2719, 4147, 4837.
Imai, K. 4220, 4742, 4745, 7583, 10087.
Imai, M. 12545.
Imai, T. 9765, 11187.
Imai, Y. 9818.
Imaizumi, S. 12432.
Imamura, N. 2958, 7758, 11366, 12757.
Imamura, T. 6531.
Imanaka, H. 7637, 7638.
Imanaka, T. 1604, 5866, 12804
Imanishi, J. 6892, 13044.
Imanishi, K. 9179.
Imbembo, A. 2256.
Imber, R. 3968, 9722.
Imbert, Y. 5408, 11994.
Imbs, J.L. 7030.
Imhof, H.W. 8987.
Imkamp, F.M.J.H. 6150.
Imkamp, M.J.H. 11675.
Imler, M. 13161.
Immerman, R. 11495.
Imperial, J. 1739, 2812.
Imray, F.P. 4118.
Imsande, J. 5536.
Imshenetsky, A.A. 11009, 11220, 12282, 12299.
Imura, N. 6521.
Inada, Y. 5457, 6332, 6335, 6357.
Inagaki, K. 4851.
Inaguma, M. 9796.
Inamatsu, T. 4519.
Inami, A. 10964.
Inamine, J. 5943.
Infante, A.A. 5715.
Ingalls, M. 5954.
Ingemarsson, I. 6222.
Ingerselv, H.J. 2092.
Ingham, E. 2768, 4360.
Ingham, H.R. 2672, 4370, 5440, 8055.
Ingham, J.L. 1146.
Ingham, Z.Z. 6909.
Ingledew, M.W. 5.
Ingledew, W.J. 7485.
Ingram, G.S. 727.
Ingram, J.M. 9993.
Ingram, L.O. 5808.
Ingram, P.L. 9350.
Ingvorsen, K. 3738.
Inman, A.O.,III 6330.
Inman, R.B. 1663.
Innes, D.J. 6815.
Innes, J.A. 6298, 11971.
Inniss, W.E. 10870.
Inokoshi, J. 7517, 11089.
Inokuchi, H. 3868
Inokuchi, K. 9710.
Inokuma, K. 1710, 1726,
Inomata, T. 8466.
Inoue, J. 6071.
Inoue, K. 6653, 6904, 10
Inoue, M. 180, 1487, 151 2773, 3055, 4192, 5756 5938, 6645, 6743, 7711 8257, 9944, 9966, 1003 10148, 11353, 11455, 1 12589, 12702.
Inoue, S. 3108.
Inoue, T. 1008, 10068.
Inoue, Y. 2842, 5642, 579
Inouye, H. 6642.
Inouye, M. 1634, 3889, 39
Inouye, S. 2970, 2973, 39 4149, 4150, 4155, 5038 11364.
Inouye, Y. 7596.
Insel, A. 3195.
Insel, R. 3547.
Insel, R.A. 3243, 8934.
Inselburg, J. 278.
Inselman, L.S. 3318.
Intante, F. 10984.
Inukai, S. 7552.
Invernizzi, A. 9242.
Ioanid, L. 4430
Ioannides, H. 9071.
Ioannidis, C. 2733.
Ioneda, T. 6680.
Iordan, E.P. 12524.
Iordanescu, S. 11046, 1283
Iosipenko, A.D. 11000.
Ip, M.K.-Y. 6044.
Ip, S.M. 2570.
Ippen-Ihler, K. 5839.
Ippolitov, L.T. 10865.
Ira Cohen, B. 13368.
Iradyan, M.A. 4206
Irani, M. 5842.
Iravani, A. 11826, 13186.
Iri, H. 4175, 11792.
Iribarren, B. 10507.
Irie, M. 3949.
Irikura, M. 4016
Irikura, T. 10031.
Irino, K. 8946.
Irinoda, Y. 11922.
Iritani, Y. 511, 518, 4253, 6032, 9346.
Iriuchijima, S. 3851.
Ironside, A.G. 2000.
Irrgang, K. 4749.
Iruthayathas, E.E. 2467.
Irvin, J.E. 9993.
Irvin, R.T. 397, 10154.
Irvine, R.L. 2644.
Irving, T.E. 8.
Irwin, C.E. 10128.
Irwin, J. 861.
Irwin, R.M. 2688.
Irwin, R.S. 6143, 9116.
Isaac-Renton, J. 2245.
Isaac, C.A. 2097.
Isaac, D.H. 7626.
Isaac, I. 10769.
Isaacs, N.S. 7577, 11400.
Isaacson, M. 3616.
Isaacson, R.E. 2724.
Isaakyan, Z.S. 4206.
Isaev-Ivanov, L.S. 3912.
Isaev-Ivanov, V.V. 3912.
Isagai, K. 301.
Isaka, M. 10891.
Isakov, Y.F. 10205.
Isayama, Y. 475, 10008, 1151 13386.
Iseman, M.D. 4387.
Isenberg, H.D. 4482, 10859,
Ishaque, M. 5577, 10650.
Ishi, J.N. 12555.
Ishi, S. 11344.
Ishibashi, J. 8983.
Ishibashi, K. 2756, 11298, 12
Ishibashi, M. 8922.
Ishibiki, K. 10580.
Ishida, K. 3888, 8267.
Ishida, Y. 2640.
Ishigami, J. 9068.
Ishiguro, E.E. 1852, 1853, 12
Ishiguro, N. 1668, 1692, 3112 5871, 9558.
Ishihama, A. 12585.
Ishihara, C. 3799.
Ishihara, H. 1648, 2752, 7418
Ishihara, S. 2373, 6333, 1217
Ishii-Kanei, C. 3130.
Ishii, J.N. 8524.
Ishii, K. 7595.
Ishii, T. 7935.
Ishii, Y. 2094, 10325.
Ishikawa, H. 10643.
Ishikawa, M. 2102.
Ishikura, H. 2716, 4821.

ra, T. 11359.
aru, K. 7596.
aru, T. 2988
oto, M 3963
oto, N 4079
, F 7625
, S 9538
ka, S. 7324
ka, A 7935
ki, N. 1429, 6563.
ka, M. 11420.
nso, O.O.A. 11989
, M.R. 11785
r, H. 6094, 10191
lov, A. 7488
, K.T. 11626
C.A. 505
, K. 2966, 4957, 5822, 18, 9917
, M. 3023, 4174.
, D.W. 5523, 5528, 13487
, A.M. 8323
utz, A.C. 6865, 6867, 10203
c, C. 12777
G.R 342.
v, I.V. 1825.
an, V. 12124, 13485
A. 10031
E. 4079, 5803
H. 4219
I. Jr. 3257.
K. 2599, 2829, 2846, 8552, 814.
M. 42, 12470.
N. 1099, 6354
S. 10230
T. 328, 2321, 2970, 4213, 62, 5900, 6163, 7722, 11190.
Y. 4213
H. 2987, 5787, 7734, 11357
J. 4149, 4150, 7809, 11364
, K. 2060, 7241
, M. 2101.
, S. 1446, 3814.
, T. 2712, 7524, 8284, 12550.
, Y. 4153, 4160, 6082, 7638
iaga, R. 12366
aki, J. 3019.
i, S. 11172, 12618
skaya, G.A. 10991
, I 7957
, M. 12029
isova, I.M. 13069
nikova, L.A. 2453
off, B. 6117
ov, I.D. 12409
ov, I.G. 8572
ov, K.S 10419
ov, M.V. 12140, 13509
ov, V.N. 12433, 12435
ova, N.M. 599
ova, T.V. 10374.
ovics, G. 12820
yi, J. 11545.
yi, L. 1872
sen, N. 1244.
sen, O.J. 1863
sen, P. 3401, 9605, 10411
son, W.O. 12061
son, W.P. 1378
son, J.B. 12063.
s, B.E. 11032.
eva, M.S. 5347
hina I.B. 13519
buchi, M. 8485
de, S. 8580
do, S. 4160.
ahara, M. 7532
ai, N. 895, 1710, 1726, 1744, 5063
ai, Y. 2984, 2993, 4164, 7711, 7745, 9912, 11346.
ainsky, H. 1996.
aki, M. 4033
aki, S. 511, 670, 1918, 6032.
akura, M. 4027, 4939
amatsu, K. 4149, 4150.
ami, M. 7637.
amoto, Y. 8558
an, J. 2456.
anaga, S. 10069
anami, S. 2536.
asa, S. 2060
asa, T. 760.
asa, Y. 1508, 2738, 2783.
asaki, A. 1743, 2987, 3539, 7734, 8768, 9087, 11357.
asaki, K. 8495.
asaki, M. 5437.
asaki, S. 11198.
asaki, T 843
asaki, Y 1719.
ashima, A. 2600.
ata, K. 8990
ata, M. 4207
Iwata, S. 1719.
Iyama, S. 8163.
Iyengar, M.R.S. 5038.
Iyer, P K.R. 4588
Iyer, V.N. 2909, 6770
Iyobe, S. 3055, 9866, 9995
Izaki, K 4957, 5145, 11225
Izakson, I. 1311.
Izard, D. 3453, 9561
Izawa, M 9620.
Izhar, M. 8357
Izquierdo, C. 11153
Izsak, E. 10571
Izuchi, R. 13292
Izui, K 6650, 7652, 8459
Izumi, Y 2223, 2316, 4534, 4851.
Izumiya, N. 3834
Izumrudov, V.A. 4045

Jaartsveld, F.H J 2339
Jablonski, J.P. 10389
Jack, E. 2704
Jack, T 9580
Jackett, P.S. 1782, 10180
Jackowski, S. 2810
Jacks-Weis, J. 9022
Jackson, A.R.B. 5471.
Jackson, B. 12067
Jackson, C.V. 4459
Jackson, D. 348
Jackson, D E. 4278
Jackson, E.N 5848
Jackson, F.L. 1753
Jackson, G. 7098
Jackson, G.D.F 592, 4278, 5230.
Jackson, G.E. 9151
Jackson, J. 13244
Jackson, J.B 2685, 8367, 8474, 12312, 12355.
Jackson, L.K. 7451
Jackson, M.A. 12355
Jackson, M.T. 2415, 4605
Jackson, R.H. 1550, 9764
Jackson, R.T 9094
Jackson, S. 5470
Jackson, T.A. 8126.
Jackson, W.A. 13487
Jackson, W.B. 2224
Jackson, W J. 6613
Jackwood, D.J 10720.
Jacob, E. 10147
Jacob, H.E 3614
Jacob, H.S. 10090
Jacob, T.M 5722
Jacobs R.F 896
Jacobs, E 10240
Jacobs, G.P 3090
Jacobs, J.M. 5687
Jacobs, L. 7477.
Jacobs, M.R 350, 11896
Jacobs, N. 2123.
Jacobs, N.J. 5687
Jacobs, R.F 6792
Jacobs, R.L 5259
Jacobs, T. 10167.
Jacobsen, E. 9456
Jacobson, J.A. 1022, 2078, 3377, 10133, 10283, 10405, 11987
Jacobson, S.N. 1406
Jacobsson, B. 11796
Jacobsz, C.J. 1781
Jacoby, G.A. 6756, 9825, 9951.
Jacohson, E.R 10700
Jacoli, G.G. 3764.
Jacomb, P.A. 5636
Jacovleva, G.M. 177
Jacques, L. 3402, 4302, 7051
Jacques, N.A. 2819, 12656
Jacquesy, R. 4748.
Jacquignon, P. 12941.
Jadhav, M. 9170
Jaeger, A. 2117, 2246.
Jaegersten, C. 7631
Jaegle, M.L. 2117.
Jaehrig, A. 7860.
Jaeken, J. 4442.
Jaenchen, R 187, 1538
Jaenicke, R. 208, 7589, 11168, 11188.
Jaerhult, J. 3519.
Jaernerot, G. 671, 834.
Jaffe-Brachet, A. 6766
Jaffe, H.W. 2162, 6830, 7837
Jaffee, B.A. 12103.
Jafri, R.H. 4601, 12987.
Jagannathan, V. 12634
Jagars, G. 9507
Jagger, J. 4979, 7641.
Jagnow, G. 2456, 8203
Jago, G.R. 12468.
Jago, M.V. 2964.
Jagota, S.K. 4870.
Jagtap, P. 2004.
Jagus, R. 6859
Jahagirdar, V.L. 10884
Jahn, G. 1677
Jaime-C, M. 6829.
Jain, A.K. 8016
Jain, D. 735.
Jain, T.P. 735
Jaiswal, T.N. 4325.
Jaiyesimi, F. 2263, 2264.
Jakab, G.J. 3220
Jakobsen, A. 10383.
Jakobsen, B.H. 10382
Jakobsen, J. 723.
Jakobsen, P. 3716.
Jakobza, V D. 5268
Jakoniuk, P. 7947
Jaks, M. 9461, 9465
Jalanko, A. 5026.
Jalanko, H. 6293
Jamal, F 12243, 12937.
Jambu, P. 4748
James, A.C. 10708.
James, A.M. 2828, 3862, 4670, 9625, 12408.
James, D.G. 7114.
James, H.E. 11978.
James, J.F. 915, 3230.
James, L.S. 870.
James, M.A. 4245.
James, P.M.C. 737.
James, T.R. 13524.
Jamieson, A.F. 1678.
Jamieson, J. 6286.
Jamieson, J.A. 5427.
Jamil, J.J. 8770.
Jamnback, H. 3655.
Jamuna, R. 4240.
Janbon, F. 9238.
Janczura, E. 8387.
Janda, I. 4819
Janda, J.M. 2510, 6662
Janecek, J. 8609, 8617, 8622.
Janeckova, M. 8293.
Jangi, S. 12413.
Jani, V. 4733.
Janick, P. 11658.
Janin-Manificat, L. 9281
Janin, F. 10065
Janin, G. 1385
Janisch, R. 8362, 8715.
Jankevicius, K. 9329
Jann, K. 1905, 6485.
Jannasch, H.W. 1334, 1335, 5676, 8245.
Janney, A. 9221.
Janney, F.A. 2066
Jannuzzi, C. 662
Janovska, E. 8487, 8720
Janowiec, M 4205.
Janowitz, H.D. 2023.
Janowski, H. 3362.
Janse, J.D 3670, 8137, 8301.
Jansen, B.C. 1055.
Jansen, G. 10285.
Jansen, R.D 11898.
Jansen, W.H 6886
Janshekar, H. 7456
Jansma, M. 8422.
Janson, R. 9271.
Janssen, D.B. 12794
Janssen, D.L. 7913
Janssens, A. 5870
Jansson, E. 7910, 9853
Jansson, P.-E. 8630
Jansson, P.E. 12707
Jansz, H.S. 1655.
Jantzen, E. 1572, 12719.
Janulaitis, A. 6619.
Janulaitis, A.A. 8593, 12510.
Januzzi, J. 7173.
Janzen, E.D 5456, 8113.
Janzer, J. 1342.
Janzer, J.J. 12534.
Jarczyk, H.J. 8428.
Jardin, F. 11906.
Jarema, M.A.C 4097, 4816.
Jaret, R. 7747
Jarlier, V. 5052
Jarman, T.R. 1566, 12703
Jarnerot, G. 674.
Jarocki, F 11983.
Jarrell, H.C 8364, 8380
Jarrell, K.F. 6390, 8133, 9607, 12288, 12345.
Jarrett, J.A. 13402.
Jarrett, P. 12082.
Jarroll, E.L. 5673.
Jarstrand, C. 5100, 13020
Jarvest, R.L. 1549, 1664
Jarvis, B. 1280.
Jarvis, B.D.W. 8345.
Jarvis, C.W. 769.
Jarvis, W.R. 5343.
Jaskelavicene, B.P. 8593
Jaspar, N. 6280.
Jasper, D.E. 1843, 8975, 10698.
Jasper, N. 5441.
Jaswal, T.S. 10488
Jaszovszky, I. 6934.
Jatinanda, V. 11530.
Jaubert, F. 10190.
Jauffret, P. 9300
Jauhri, K.S. 12124
Jaurin, B. 2869, 5742, 9744, 11043, 11268.
Javor, B. 12327
Javor, B.J. 8231.
Jawai, Y. 6382.
Jaworowski, A. 8735.
Jay, E. 2951, 12536.
Jay, G. 2951, 12536.
Jay, J.M. 11462.
Jay, W.M. 11844.
Jayaraman, J. 2835
Jayaraman, K. 4240, 5722.
Jayaraman, M.S. 3628, 8813, 13377.
Jayatilake, G.S. 9744.
Jayaweera, K. 10818.
Jayet, A. 11749.
Jean-Jacques, W. 3485.
Jeanmougin, M. 6250.
Jeantils, V. 2005.
Jechova, E. 6634.
Jecquier, S. 2197
Jedlicki, E. 1646, 5001
Jedlickova, Z. 6783
Jedwab, M. 11617
Jeenes, D.J 9900
Jeffcoat, B. 2469, 2470.
Jeffery, J. 4883.
Jeffries, D.J. 5324.
Jeffries, L. 5760
Jegathesan, M. 6451, 9571, 9903.
Jekel, P.A. 7545.
Jelasi, G. 5361.
Jelinek, P.D. 12063.
Jeljaszewicz, J. 8096, 9024, 11548.
Jelokova, J. 4017.
Jemski, J.V 6134.
Jen, I. 11671.
Jenkins, B. 6704
Jenkins, E.M 6098.
Jenkins, G.N. 1351, 1963, 2632
Jenkins, J.A. 8553.
Jenkins, P.A. 1991, 5581, 6164.
Jenkins, S.G. 11402.
Jenkinson, D.M. 5261.
Jenkinson, H.F. 1476, 12797.
Jenkinson, S.R. 9509.
Jenneman, G.E 8649
Jennings, H.J. 5252, 6048.
Jennings, L.C. 1034.
Jensen, C. 1534, 13124
Jensen, E. 11918.
Jensen, J. 5282.
Jensen, J.P.T. 3588.
Jensen, J.R. 10188.
Jensen, K.F. 5816.
Jensen, M.M 6031, 6123.
Jensen, O. 2153.
Jensen, R.A. 2746
Jensen, S B. 723.
Jensen, S.E. 7748, 11356
Jensen, T.E 4733.
Jensen, V. 3707.
Jensen, W.I. 2366.
Jenss, H. 9228, 13219.
Jenssens, M. 2186
Jentsch, S. 4877
Jeon, K.W. 10759.
Jephcott, A.E. 12235.
Jericho, K.W.F. 8102, 10692.
Jerino, F. 6780, 7133.
Jerning, E. 659.
Jerrells, T.R. 5215.
Jerrett, I.V. 4590
Jertborn, M. 10514.
Jerve, F. 7906, 8965
Jervis, L. 11175.
Jeska, E.L. 3221.
Jessamine, A.G. 5364
Jessop, D.J. 1172.
Jessup, D.A. 8105.
Jett, J.R. 9114.
Jewkes, J. 814.
Jeyaseelan, K. 1524, 1610, 12813.
Jezova, E. 1208
Jezowa, L. 3316.
Jezyk, P.F. 5481.
Jhagroo, M 323.
Jiang, C.-R. 10896.
Jiang, L.-J. 11624.
Jiang, X. 11651.
Jiang, X.J. 12852.
Jiao, J.-H. 13012.
Jiayu, Y. 2291.
Jimenez-Alonso, J. 9312, 11959.
Jimenez-Pereperez, J.A. 9312, 11959.
Jimenez, E.M. 7112.
Jimenez, J.R. 2215.
Jin, C.K. 118.
Jin, O.M. 4861
Jin, Z.-H. 12787
Jing, D.-Z. 9035.
Jinnouchi, H. 1797.
Jiresova, M. 8609, 8617, 8622.
Jit, I.J 10032.
Jiwa, S.F.H. 4225.
Joachims, H.Z. 11686.
Joby, R. 2348.
Jochemsen, A.G. 1774
Jodal, M. 487
Jodal, U. 3208, 6223, 11796.
Joekes, A.M. 797
Joels, D. 11681
Joenje, H 1437.
Joens, L.A. 2376, 4301.
Joergensen, G. 3428.
Joergensen, J.B. 6062.
Joergensen, K.A. 1982.
Joergensen, N.O.G. 10809.
Joffe, M. 6150.
Joffre, A. 3841.
Jofre, M. 1706.
Joh, K. 4862
Johal, S. 7548
Johannes, A. 2771.
Johannisson, G. 852, 2053.
Johannsen, G. 1982.
Johansen, K. 5424.
Johanson, W.G.,Jr. 4390, 7979.
Johansson, K.-E. 7631
John, C. 9365, 10093.
John, D.W. 806.
John, J.F., Jr. 799.
John, J.F.,Jr. 7834, 9208.
John, T.J 5250
Johnova, V. 9628
Johnsen, J. 1380.
Johnsen, M 12542.
Johnson, A.D. 468.
Johnson, A.E. 1472, 11068.
Johnson, A.G. 10263.
Johnson, A.H. 4838.
Johnson, A.P. 5324, 6218, 8024, 10124, 13248.
Johnson, A.R. 4569.
Johnson, B. 1351.
Johnson, C.E 10315, 11115.
Johnson, C.M. 10569.
Johnson, D.A. 8175.
Johnson, D.C. 6349.
Johnson, D.E. 1819, 7467.
Johnson, D.W. 6128, 10137, 10262.
Johnson, E. 6086.
Johnson, E.M. 9868, 11632.
Johnson, G.R. 3623, 12736.
Johnson, I. 6389.
Johnson, I.H. 1111.
Johnson, J.A. 10216.
Johnson, J.E. 2539.
Johnson, J.H. 6546.
Johnson, J.R. 1639.
Johnson, K.A. 4903, 7585, 10249, 10251
Johnson, K.D. 7512.
Johnson, K.G. 2350.
Johnson, K.M. 6433.
Johnson, L.A. 8314.
Johnson, L.E.B. 8191, 9471, 10739, 13427.
Johnson, L.W. 1028, 1039.
Johnson, M. 3351, 11493.
Johnson, M.A. 2009
Johnson, M.C. 12111.
Johnson, M.K. 482, 3934, 3941, 4876, 7537, 8706.
Johnson, M.L. 9335.
Johnson, N. Mc.I. 7929.
Johnson, N.W. 6154.
Johnson, P. 7742, 7815, 11365.
Johnson, R.C. 635, 6112, 9044, 9046.
Johnson, R.H. 4334.
Johnson, S. 2568.
Johnson, S.D. 1558.
Johnson, S.E. 3779.
Johnson, S.R. 3765, 11319.
Johnson, T.A. 2032.
Johnson, T.L. 10676.
Johnson, W.M 1801, 1973, 12101, 12107, 13442.
Johnson, W.R. 2287.
Johnsson, T. 2028, 3310.
Johnston, A.W.B. 2921, 2922, 2923, 12803, 12845, 12851, 12862, 13464.
Johnston, D. 12724.
Johnston, H.H. 4523.
Johnston, J. 5077.
Johnston, J.H. 8077.
Johnston, J.M. 4328.
Johnston, J.W. 1207.
Johnston, K.H. 525, 4841.
Johnston, L.A.Y. 4549.
Johnston, M. 7557.

Johnston, N.A. 1292, 13242.
Johnston, P.D. 4811.
Johnston, R.B.,Jr. 3200, 6918.
Johnston, R.F. 11717.
Johnston, R.W. 4267, 8935.
Johnston, W.S. 3487.
Johnstone, K. 8352, 8353, 11241
Johnstone, M.C. 7987.
Joiner, G.N. 3222.
Joiner, K.A. 540, 8994, 10202.
Jokes, M. 2414.
Jokinen, K. 6995.
Jokipii, A.M.M 5286, 11457.
Jokipii, L. 5286, 11457.
Jolivet-Granger, M. 6193.
Jolivet, M. 11641.
Jolles, P. 10198.
Jollick, J.D. 1675.
Jolliffe, L.K. 93, 7822.
Jolly, D.W. 2349
Joly, B. 7027
Joly, J.R. 4265.
Jonas, E. 9359.
Jonas, M. 11942.
Jones-Mortimer, M.C. 11286.
Jones, A.M. 12242, 12246.
Jones, B. 2226.
Jones, B.A.H. 5489, 7287.
Jones, B.M. 8006.
Jones, C.A. 4242.
Jones, C.C. 2045
Jones, C.W. 7480.
Jones, D. 2925, 5598, 6545, 9544, 9545, 9802.
Jones, D.B. 2228, 5969, 6258, 7994.
Jones, D.M. 3352, 7983, 11835.
Jones, D.P. 7926
Jones, D.T. 1469, 2622, 3088, 5564.
Jones, E. 10626.
Jones, E.A. 1917
Jones, E.L. 11662.
Jones, G. 2357.
Jones, G.A. 1540, 2802.
Jones, G.E. 8123, 8124, 12154.
Jones, G.H. 4030
Jones, G.W. 7228, 8375
Jones, H.D. 4448, 10390.
Jones, H.G.R. 6363.
Jones, J. 846.
Jones, J.A. 4730.
Jones, J.B. 1141, 1143, 2409.
Jones, J.E.T. 5477, 8103, 8254.
Jones, J.F. 6909.
Jones, J.G. 1243, 2487, 2488, 2490, 3735, 3737, 13526.
Jones, J.M. 11824.
Jones, J.W. 6210.
Jones, K.L. 1243.
Jones, M.N. 8565.
Jones, M.R. 10719.
Jones, M.V. 2489, 2587.
Jones, N. 12426.
Jones, N.D. 7639, 11355.
Jones, O. 853.
Jones, O.G. 854.
Jones, P. 7624.
Jones, P.H. 4417.
Jones, P.K. 9055.
Jones, P.W. 1118, 7273, 9040, 10667.
Jones, R.B. 1876, 9278
Jones, R.F. 9570.
Jones, R.I. 12197.
Jones, R.K. 9388, 9389, 9391.
Jones, R.N. 320, 391, 1715, 5089, 6807, 6809, 6810, 9970, 12885.
Jones, R.S. 4640.
Jones, R.W. 11177.
Jones, S.B. 10749, 13440.
Jones, V.I. 7883.
Jones, W.T. 12396, 13491
Joniak, D. 10041.
Jonker, M.R. 3639.
Jonquet, A.O. 10479.
Jonquet, O. 9238.
Jonsen, M.E. 7950.
Jonsson, B. 13101.
Joosten, H.M.L.J. 12794.
Joplin, W.H. 10293.
Jordache, A. 3780, 4210, 4344, 4555, 4585.
Jordan, D.C. 1384, 3723.
Jordan, E.C. 10342.
Jordan, E.P. 12674.
Jordan, F.T.W. 6363, 10688, 10701.
Jordan, H.V. 1154, 3755.
Jordan, W.C. 13229.
Jordan, W.P. 11661.
Jordanova, V. 10019
Jorgensen, B.B. 112, 4455.
Jorgensen, J.H. 305, 1793, 8268.
Jorgensen, R.A. 2710, 4139.
Jornvall, H. 4883.
Jortner, B.S 6866.
Josefsson, L.-G. 8541
Joseph, M.K. 4988
Joseph, S.W. 6254, 9223
Josephs, D.S. 4417.
Josephson, A. 1027.
Josephson, B. 6294.
Joshi, A. 11432.
Joshi, K.C. 439.
Joshi, P. 2253.
Joshi, S. 4250
Joshioka, H. 5417.
Josse, M. 4564.
Josserand, A. 5524, 10798.
Jost, A. 11749.
Jouanneau, J. 12767.
Jouanneteau, B. 1444.
Jouany, J.M. 3312.
Joubert, J. 788.
Jouglar, J.-Y. 13378.
Jourdan, J. 9238.
Jouvenot, M. 281.
Jovanovic, D. 11639
Jover, A. 13383.
Joyce, C.M. 8662.
Jozaki, K. 1719, 4404.
Jozsef, F. 8390.
Juarez, A. 1739, 2812
Jubelirer, D.P. 2216.
Judd, R.C. 8550, 9698
Judson, F.N. 2177, 13231.
Judy, L.A. 11490.
Juergens, D. 1496, 4057.
Juez, G. 9975.
Juffali, F. 3754.
Juhlin, I. 837.
Juldorf, F. 929.
Jules, K. 9954.
Jund, R. 6710.
Jundal, S.K. 1946.
Jung, G. 10786.
Jung, H.D. 11660.
Jung, J.A. 1769.
Jung, M. 504.
Jungi, R. 4311.
Jungi, T.W. 585, 586, 4311, 5206.
Juni, E. 1620, 7167.
Junien-Lavillauroy, C. 13107.
Juniper, S.K. 8189.
Jurado, R. 782.
Jure, K.G. 2802.
Jurgenson, U. 10423.
Jurmanova, K. 1282.
Jurtshuk, P.,Jr. 4058
Jusatz, H.J. 13168.
Justice, G.R. 9218.
Justin, C. 6213
Juvakoski, T. 5329.
Juvanet, J. 10398
Jyoyama, H. 3129.

K-Sebunya, T. 2356.
Kaback, E. 9819
Kaback, H.R. 3808, 4831, 7410, 8598, 12293.
Kabanov, V.A. 4045
Kabat, W.J. 321.
Kabatova, A. 35.
Kaben, U. 1926.
Kabins, S.A. 6830, 7837, 10610
Kabishev, A.A. 5809.
Kabongo Muamba, M.L. 12389.
Kaca, W. 7678.
Kachan, V.I. 12383.
Kachaner, J. 9235.
Kachlolz, T. 10993.
Kaczorowski, G.J. 3808.
Kaden, J. 8968.
Kadir, S. 13309.
Kadis, S. 4436, 8862.
Kadner, R.J. 1616.
Kado, C.I. 11326
Kadota, H. 2640, 6476, 7412, 7444, 7464, 7499, 7500
Kadri, M. 7830.
Kaeaeriaeinen, L. 4799, 12645, 12655.
Kaeckenbeeck, A. 4195, 4564.
Kaelin, C.R. 3630, 13407.
Kaellenius, G. 3387, 6289.
Kaemmerer, V.K. 10052.
Kaemmerlen, J.T. 6143.
Kaffe, I 6956.
Kafkewitz, D. 8605, 12648
Kafrawy, A.H. 1265.
Kagaminyama, H. 12607
Kagamiyama, H. 4033, 5814.
Kagan, B.L. 1818.
Kagan, J.M. 11551.
Kaganov, S.Yu. 10486
Kagawa, H. 4738.
Kagawa, Y. 2625, 6654, 12283.
Kagen, S.L. 5307
Kager, L. 7101, 10282, 10286, 11654.
Kageyama, M. 2994
Kagonovich, E.L. 3430.
Kagramanova, V.K. 12543.
Kagumba, M. 7280.
Kahan, A. 8045.
Kahana, L.M. 7186.
Kahane, I. 1467, 2620, 9600, 9601, 10962, 11546.
Kahle, L.H. 3119.
Kahn, A. 477, 758, 951.
Kahn, A.J. 1839.
Kahn, J.M. 12379.
Kahn, M. 11063.
Kahn, M.F. 3512, 3529.
Kahn, R. 4107.
Kahn, R.A. 6003.
Kahrberg, M.W. 3377.
Kahrs, R.F. 9349.
Kai, T. 8642.
Kaier, B. 3019
Kaiho, T. 9768.
Kaijser, B. 550, 659, 4277, 4293, 5260, 6053, 6223, 8110.
Kainosho, M. 7574.
Kairaluoma, M.I. 6291.
Kaiser, A. 9006, 9295.
Kaiser, D. 9898, 12317.
Kaiser, H.P. 2985.
Kaiser, J.-P. 11003.
Kaiser, K. 5836.
Kaiser, P. 5534.
Kaiser, W.J. 9415.
Kajanti, M. 875.
Kaji, A. 2939, 3916, 4046, 11200, 12784.
Kajikawa, Y. 6521
Kakimoto, D. 6476, 9635.
Kakinuma, K. 2958, 7758, 11366.
Kakkar, S. 1003
Kaklamani, E. 909.
Kakudo, M. 3868, 3944, 3975, 5683.
Kakuno, T. 3936.
Kal'Nev, V.R. 12586
Kalacheva, G.S. 12725.
Kalager, T. 6105.
Kalakoutskii, L.V. 12138, 12351.
Kalankhodzhaev, A.A. 4380.
Kalapothaki, V. 909, 5555, 7361.
Kalb, A.J. 5791.
Kalbian, V.V. 2269.
Kalbitzer, H.R. 4829, 7526.
Kalbitzer, R. 11084.
Kale, V.V. 8022.
Kaleta, E.F. 2372.
Kalfa, G. 3546.
Kalhorn, S. 7477.
Kalimo, K. 3392
Kalin, M. 2122.
Kalin, M.E. 8021.
Kalinichenko, Ya.N. 10437.
Kalinina, N.M. 7414.
Kalininskaya, T.A. 10865.
Kalininskya, T.A. 2431.
Kalinka, C. 4252.
Kalish, .B. 12023.
Kalisky, O. 12500.
Kalkkinen, N. 4799.
Kalla, G.R. 7225
Kallenbach, N.R. 5841.
Kallick, C.A. 2272, 3485, 3501.
Kallings, I. 33, 6994, 11743.
Kallings, I.M. 6907.
Kallings, L.O. 10546.
Kallio, A. 7538
Kalman, Z. 6735
Kalmanson, G.M. 862, 7046, 8267
Kalmykova, N.P. 13382.
Kalofonos, H. 11739.
Kalomiris, E. 6675.
Kalra, M.S. 10082.
Kalthofen, W. 9886.
Kaltwasser, H. 7337, 10810
Kalugina, G.V. 13307.
Kalyananda, M.K.G.S. 8725.
Kalyanpur, M 2986.
Kalyanpur, M.G. 7731.
Kam-Hansen, S. 7945.
Kamalam, A. 10475.
Kamali, A. 13210.
Kamamoto, T. 5218.
Kamat, R.S. 9059.
Kambe, M. 46, 7633, 7634.
Kameda, K. 4853.
Kameda, Y. 2638, 2758, 7796.
Kamei, T. 2841.
Kamelhar, D.A. 2003.
Kamen, P.R. 11683
Kameneva, T.G. 13514.
Kamerer, D. 11748.
Kameyama, T. 5201.
Kamibayashi, A. 6641.
Kamidi, R.E. 9411.
Kamidono, S. 9068
Kamiki, T. 4175.
Kamikubo, T. 4827.
Kamimura, T. 1765, 11391.
Kaminski, A.R. 2448.
Kaminski, M. 9252.
Kamio, Y. 3823, 11225, 12830.
Kamiya, H. 760.
Kamiya, K. 2987.
Kamiya, T. 300, 5934, 11399.
Kamiyama, K. 702.
Kamme, C. 5299.
Kammer, R.B. 13264.
Kamoun, M. 13310.
Kampmeier, R.E. 7082.
Kamps, M.A. 3781.
Kan, T. 7227.
Kanai, A. 3344, 13276.
Kanai, K. 4558, 11287.
Kanai, M. 3798, 9942.
Kanamaru, T. 2988.
Kanamori, M. 4007.
Kanamoto, Y. 3565.
Kanao, M. 843, 2101.
Kanaoka, Y. 8575.
Kanarek, L. 1913.
Kanayama, Y. 1008.
Kanazawa, H. 6721, 6722, 8666, 11054.
Kanazawa, S. 12591.
Kanazawa, Y. 310, 1762.
Kanda, M. 3965.
Kanda, N. 1429, 6009, 6563, 6870, 10108
Kanda, Y. 10009.
Kandala, J.C. 4766, 6532.
Kandasamy, D. 7319.
Kando, I. 7092
Kane, A. 2397.
Kane, D.W. 3544.
Kane, J.F. 2809.
Kaneda, M. 2971, 3834.
Kaneene, J.B. 10137.
Kaneene, J.M.B. 6128.
Kanegasaki, S. 1638, 10101.
Kanegaski, S. 6898.
Kaneko, H. 7594.
Kaneko, K. 4275, 9318.
Kaneko, K.-I. 8341, 8950, 10259.
Kaneko, K.I. 6137.
Kaneko, M. 10964.
Kaneko, T. 1246, 10734.
Kaneko, Y. 5951, 8452, 9818.
Kanellakopoulou, K. 942.
Kanemitsu, T. 1719.
Kanerva, L. 5329
Kaneshiro, T. 9617.
Kaneuchi, C. 151.
Kangas, T.T. 9723.
Kangawa, K. 4137.
Kaniosho, M. 3971.
Kanner, D. 5667.
Kanno, H. 6900
Kano, Y. 4851.
Kanoh, S. 460, 488, 489, 10106.
Kanoh, T. 9844.
Kanopkaite, S.I. 12512.
Kanopkaite, S.J. 162, 12586.
Kanta, J. 7898.
Kantardzhiev, V. 1788.
Kantek Navarro, C.E. 9367.
Kantrowitz, E.R. 4863, 4935, 9736.
Kanz, E. 10821.
Kao, S.F. 9199
Kao, T.C. 1389, 2455.
Kapadia, A. 12930.
Kaper, J.B. 6448, 7343, 7654.
Kapfer, C.O. 1314.
Kapikian, A. 6115.
Kapikian, A.Z. 3371, 11757.
Kapila, R. 8020.
Kapitany, R.A. 1838.
Kaplan, A.M 12362.
Kaplan, B. 7247.
Kaplan, D. 3329.
Kaplan, D.A. 4995, 5006.
Kaplan, D.L. 12362.
Kaplan, E.L. 1981, 4254.
Kaplan, G. 3529.
Kaplan, H.S. 645.
Kaplan, J.M. 13216.
Kaplan, L. 12687.
Kaplan, M.H. 11996.
Kaplan, M.R. 7039.
Kaplan, R.L. 5578, 10899, 10959.
Kaplan, S. 1471, 3946, 3947, 7628, 8473, 11029, 12854.
Kaplan, S.E. 307.
Kaplan, S.L. 5109, 5336, 9176, 9309, 10322, 10425
Kaplina, N.V. 7861.
Kaplinsky, N. 13284.
Kapoor, N.K. 10422.
Kapoor, S.C. 3044.
Kapperud, G. 462, 12967
Kapral, F.A. 10077.
Kapralek, F. 2764, 6634.
Kaprelyants, A.S. 5809, 11022, 12302
Kaprio, E. 483.
Kaptein, R. 146, 3919, 56
Kaptijn, G.M.P. 3047
Kaptseva, G.S. 4654.
Kapulnik, Y. 3701, 3725.
Kapur, K.K. 13097.
Kapustik, L.A. 9026.
Kapustina, M.V. 7861.
Kar, E.G. 1450.
Karachalios, G.N. 11739.
Karalnik, B.V. 8322.
Karamata, D. 5635.
Karamitsos, D. 11739.
Karaoui, R.M. 4437.
Karaseva, A.E. 13307.
Karasseva, V. 6037, 6065
Karat, A.B.A. 5272.
Karaulnik, M. 3363.
Karavaiko, G.I. 2438, 110 11019, 12339, 12469, 12 13517.
Karayiannis, P. 4683, 5559
Karbach, U. 839.
Karch, F. 5024.
Karczag, E. 6037.
Kareha, M.J. 4371.
Karelova, E. 1208.
Karels, M.J. 11262.
Kargi, F. 7432, 9649, 1237
Karginov, V.A. 5739.
Kariakina, T.I. 2820.
Karibian, D. 5829.
Karickhoff, S.W. 7433.
Karimian, M. 1353.
Karimova, D.Kh. 13066.
Karir, I.S. 10792.
Karl, D.M. 1443, 1452, 265
Karle, E.J. 3306, 3649, 796
Karlovsek, M. 3835
Karlovsky, P. 4780.
Karlson, A.G. 6337, 10883.
Karlson, K. 8954.
Karma, P. 649, 775, 5286.
Karmali, M.A. 287, 6282, 7
Karmanov, P.A. 1821.
Karni, A. 3508.
Karns, J.S. 7453.
Karolcek, J. 10005.
Karoly-Haffly, E. 3019.
Karp, D 4397.
Karpas, A.B. 4261.
Karpen, J.W. 3916.
Karpenkova, N.I. 599.
Karpova, G.G. 1447, 11071.
Karpova, M.A. 12620.
Karr, A. 4719.
Karr, A.L. 4944.
Karr, D.E. 2838.
Karran, P. 8703
Karrenberg, F. 11108.
Karsanova, S.K. 5960.
Karsenti, P. 989, 2222.
Kartasova, T. 1440.
Kartoglu, G. 6961.
Karube, I. 2779, 4088, 4092.
Karuga, W.K. 6177.
Karutheim, P. 8605.
Kasai, M. 8983.
Kasai, N. 6011, 11513.
Kasai, T. 7800.
Kasai, Y. 1026.
Kasatova, T.B. 981, 13325.
Kase, H. 7723, 7730, 7732, 7746, 11354, 11373.
Kasenov, K.U. 6949.
Kashapov, R.I. 12518.
Kashchenko, V.B. 2147.
Kashiwagi, K. 4930.
Kashiwagi, S. 4572.
Kashiwazaki, M. 475, 11518.
Kashparov, I.A. 12530.
Kasian, P.A. 2479.
Kaskarelis, D.B. 6216.
Kaslow, H.R. 1813, 10072.
Kaslow, R.A. 3468, 11807.
Kaspar, H.F. 4628.
Kaspari, H. 1547, 4050.
Kasper, D.L. 608, 6048, 7916, 10256, 11574, 11629.
Kasper, W. 7069.
Kasprowicz, A. 667, 3270.
Kasra, R. 12342.
Kass, E.H. 3446, 8000
Kassovsky, V. 10931.
Kastanakis, S. 5443.
Kastelein, P. 13099.
Kastert, H.-B. 5322.
Kastl, P.R. 12218.
Kastner, C.L. 6477.
Kastner, L.S. 10117.
Kasumi, T. 51, 2789, 3994.
Kasumova, S.A. 13519.
Kasunic, D.A. 11263.
Kasweck, K.L. 5832, 6748, 12
Kasworm, E. 2078, 11987.
Kasymbekova, S.K. 10945

un. K [illegible]
ura. S 8963
ni. K 8961
no. T 474[illegible]
oka N 9068
a J M 4340
yama-Fujimura Y 12248
yama C 4153
yama. T 135.
are A D [illegible]
yn D O 13409
ka M [illegible]
ar V N 3379
F 1428
I 3129 6047 [illegible] 074, 10101, 12721
J. 179. 1791. 4834. 11346
K 7528
L 7368
N 2973 9052 9060. 55 11626
T 2989 7751 9995
Y 7314
b H 2046 2317
b M 7925 9608
n. R 8971
e. N V 4776 5695
u K 6743 9444
ube Y 9444 6376 [illegible]
ui N 5989 12328
uki H 6650 7652 8459
umata K 7792
umata R 1514
unuma T 13414
, B. 423 9508 13432
, E 9920
, G 13416
, L. 866
S 8357
, S M 11604, 11717
S S 4500
zestein D 11737
fers P M 1677
ffman H F 3875
ffman R E 10427
ffmann R H 2324
fman A F 2285
fman A K 3769
fman D 1497
fman H E 13276
fman, S H E 9017
fman, S.L. 13309
fmann, A F 6173, 8073
fmann, B 1018
fmann, S H E 9004, 11567, 11599
l H N 6792 8136
l S M 7426
len A D 7479
ur S 761 1946 2064 2087 1666
ara Y K 56 13410
urancer O [illegible]
ush M V 12667
ustova J 5545
utter D A 2652 5154
utz U 5178
uzmann M 9828
valenko T V 11019
wabata Y 3993
wabe H 343
waguchi A 5738 12635
waguchi H 4920 9944
waguchi Y 4095
wahara K 10009
waharada H 214
wai A 4757
wai C 6902 8989
wai K 5457 6332 6334 6335 6357 10653
wai M 4999
wai T 11792 12969
wai Y 5594 9375
awakami H 8234
awakami K 6163
awakami M 494 2713 13025
awakami Y 3798 4162 4744 7250 9942
awakita S 6071
awakubo Y 6894 12052
awamoto I 7725
awamukai, M. 83.
awamura, F 5824, 12815
awamura, J. 181, 182, 7604
awamura, K 12566
awamura M 2306
awamura S 1998
awamura T 5803
awamura Y 425 5040 7749
awana N 10964
awanishi C Y 9380
awanishi H 6061
awano J 6467 10898
awaoka, Y 8713, 8930, 10161
awasaki, H. 460, 3996, 4138
awase, N 4851
Kawashima. A 2972
Kawashima. H 8745
Kawashima. T 12207
Kawata. A [illegible]
Kawata. M 4813
Kawata. N [illegible]
Kawata. T [illegible] 5627
Kawauchi. K 7594
Kay. D 1242
Kay. F 928
Kay. R M 13159
Kay. W W 116. 170. 1422. 1852. 3853
Kayama. M [illegible]
Kayano. H 4088. 4092
Kayano. T 6721. 6722. 8666. 11054
Kaye. D 4721. 6140. 7035
Kaye. R L 11807
Kayser. F H 7786. 7823. 9988
Kayser. G 11478
Kazakova. O 2826
Kazanskaya. T B 12650
Kazantsev. V.A 1921
Kazar. J 507. 11238. 11643
Kazda J M 3648
Kaz[illegible] 1945
Kaz[illegible] R [illegible]
Kazmierczak A 361 6277 6812
Ke H M 5791
Ke N T 9574
Keast D 2941
Keane C T 861. 5987
Kearney. P C 8433. 8434
Kearns E A 2651
Kearns M 12985
Kearsley. J H 8463
Keas S E 1526
Keating M J 9296
Ke[illegible] A 293
Ke[illegible] P 2249
Ke[illegible] D G 4167
Ke[illegible] E 5663
Keen. B H 2529
Keeling J W 7158
Keen C A 4037
Keen N T 1146. 2404. 3672. 5504
Keene H J 704. 724. 4378
Keevil. C W 5812.
Kegal-Szerejki. M. 10491
Kegler. H 2417
Kehrberg. M W 10133
Keighley. M R B 668. 2037. 3263. 3351. 11493
Keilich. G 1532
Keinan. E 4888
Keiser. J 7387
Keiser. J F 7214
Keiser. J K [illegible]
Keister. D M 5453
Keith. D E. Jr 2714. 7508
Keiyu. A 3851
Keizer. M G 9427
Kekcheeva. N G 561
Kelch. L 4408. 13175
Ke[illegible] E 494
Kelkar S S 1713
Kell D B 9669
Kelleher D L [illegible]
Kellen. W R 1129
Kellenberger. E 4087. 4123. 9598
Keller-Juslen. C 7739
Keller-Schierlein. W 2985
Keller. B 9695 10990. 11097
Keller. E 9695. 10990. 11097
Keller. F 9. 8280
Keller. M A 7102
Keller. P 11868
Kelley. R L 7645
Kelley. R W 8319.
Kelley. W S 8562. 8662
Kelln. R A 1539
Kellogg. S.T 5884. 7453
Kelly. D.M T 6818
Kelly. D P 1407. 1563. 2665
Kelly. J 3785
Kelly. J.A 9785. 10078. 12584
Kelly. J H 9117
Kelly. M T. 958. 1307. 2505. 3822. 6779. 13528
Kelly N 5687
Kelly P C 4427
Kelly W J 456
Kelman A 12709
Kelsey. D.S 1993
Kelso. D W 2243
Kelstrup. J 4948
Kelton. C A 12839
Kemeny F 989
Kemeny J L 989 2005
Kemmer T 3106
Kemp C W 5284 5446
Kemp D J 7902
Kemp J 5467
Kemp J A 11896
Kemp J D 4136 7689
Kemper. J 1490
Kempers. O 8368
Kempler. G.M 240
Kempton. A.G 1312
Kendall-Morris. S 5197
Kendall-Tobias. M W 11242
Kendall. E J C 7993
Kendrick. J.H 12003
Kendrick. M I 8000
Kendrick. T H 7372
Kennard. C 8014
Kenne. L 5797
Kennedy. B W 7302. 13436
Kennedy. C 4132. 8704
Kennedy. E J 1844
Kennedy. G S 2407
Kennedy. J 3482
Kennedy. J F 7165. 7624
Kennedy. J R 3345
Kennedy. J W 619. 3252. 10244
Kennedy. M 6855
Kennedy. M J 1051
Kennedy. P.M 13360
Kennedy T J 5453
Kennedy V A 10406
Kenney. G.E. 10921.
Kenney. R M 1272. 10676
Kennis. H M 1048
Kennish. A 3320
Kenny. A 13252
Kenny. G E 4265
Kenny. M.A 387
Kent. R.B 9683
Kent R.L 10062 12927
Kent. T.A. 11103. 11189
Kenttaemies. H 7274
Kenwright. N.S. 12219
Kenyon. C.J 11278
Keogh. B 861
Kepes. A 3813. 3882. 12438
Kepkay. P E 8220
Keppen. O.I 13518
Keprtova. J 1282
Keraenen. N 12957
Kerber. N L 188
Kerboeuf. D 6147
Kerby. J 4358
Kerby. L R 5671
Kerekes. R 12385
Keren. D F 2048. 6906. 11773
Kerkhof. A 11016
Kerklaan. P 6703
Kerlen G 13397
Kermarec. J 6176
Kern. A 7212
Kern. S E 6906
Kernbaum. S 9297. 10314
Kernick. M 12608
Kerr. E.J C 8912
Kerr. J H 2109
Kerr. N W 1949
Kershaw. M 1990
Kershner. A 7731
Kersten. M C M 3235
Kersten. W 5709
Kersters. K 1300. 12084
Kertcher. J.A. 12715
Kesarwala. H H 6312
Keshavamurthy. B.S 6338
Keshet. E 8667
Kesler. R W 6292. 10464
Kessel. M 1467 8354
Kessel. R G 6427
Kessler. C 9684
Kessler. J 12606
Kessler. K.M 7093
Kessock-Philip. S 13201
Keswani. R K 10197
Ketterer. P.J 7238
Kettner. A 4556
Kettner. M 12678
Ketyi. I. 13203
Keweloh. H 4962
Keyhani. A 8038
Keynan. A. 2594
Keyserling. H. 11937
Keystone. E C 1105. 2192
Khader. T G 12077
Khadse. B G 6838. 6839. 10043
Khai. N 9175
Khairnar. V.L 6838. 6839
Khaitovich. A B 12405
Khalafallah. M 12384
Khaleel. P 3708
Khalezov. B D 2438
Khalil. R 9177
Khalili A.H 10420
Khalyapina. E.E 9957
Khalyl-Mawad. J. 7048
Khan. A.A 7330
Khan. A.J 13179
Khan. A.M 6442
Khan. A W 1492. 7462. 8389. 11234
Khan. B M 4921
Khan. K I 4601
Khan M 5317. 13160
Khan M I 2223
Khan M S [illegible]
Khan. M T [illegible]
Khan. M.Y 3006. 5418. 8026. 8821
Khan. N A 9172
Khan. O. 947
Khan. R.A. 5484
Khan. S A 5869. 6737. 11046. 11308.
Khan. W N 738. 13153
Khanaka. H 9923
Khananshvili. D. 6557
Khandelwal. R L 9753
Khandeparkar. J M S 10456
Khanijo. V 6168
Khanna. P.N 4561
Khanna. S.K 1006. 3359
Khanna. V K 2932. 5110. 6751
Khanolkar. S.R 9511
Khaoparisuthi. V 10496
Kharchenko. G I. 11327
Khardina. G A 1830
Kharizomenova. I.A. 7861
Kharole. M.U 2374
Khater. H.D. 8752
Khatib. A. 7037
Khattri. H.N 10466
Khaund. R.R 13313
Khayat. A. 13335
Khera. S.S 6379
Khimkina. L.N 6947
Khitrina. L.V 7479
Khlystova. M P 11358
Khmelnitskaya. D.L. 11008
Khodkova. E.M 2933
Khodova. O.M 11213
Khodyreva. S.N 9758
Khokar. R.S 11466
Khokhar. S.N 1217
Khokhlov. A.S 1697
Kholodnaya. L.S. 12296
Kholy. A.E 6033.
Khomenko. A.G. 4380.
Khomich. I I 998
Khomutov. R M. 177
Khor. S.Y 9903
Khorana. H. G 10155
Khorana. H G 4967
Khorobrykh. V.V 13371
Khosla. N 3229
Khosla. S.N 2034. 9138
Khoubesserian. P 4359
Khoury. G 2951
Khoury. N. 11988
Khramov. V.A. 12560
Khraptsova. G.I. 12460
Khuller. G K 1570. 4080. 6679. 8644. 9803 9806
Khupulsup. K 11534
Khurana. A.L. 7334.
Khurana. A.S. 7321
Khuri-Bulos. N 840
Kiamen. D.I 5631
Kida. M 346. 9620
Kidani. Y 4803
Kidawa. A.S 9181
Kidd. E A M 720
Kidin. V.V 2453
Kido. Y 5041. 5043
Kidson. A 6946
Kiefer. H 4441
Kiefer. S. 1214
Kieffer. R F 2256
Kiehn. T E 5909
Kieiman. M B 2279
Kielstein. P. 3589. 3780
Kielstein. V.P 665
Kienholz. J 3162
Kieninger. G 13404
Kierstead. M 6369
Kieser. T 7496. 11315
Kieval. J 7093
Kigel. J 3701. 3725
Kight-Olliff. L. 5831
Kihara. K 8366. 8443
Kihara. M 5617
Kihara. T 9917
Kiktenko. V S 9542
Kikuchi. K 1002
Kikuchi. N 7250
Kikuchi. T 9794
Kikuchi. Y 2814. 4093. 13386
Kilbane. J J 7453
Kilbertus. G 9484
Kilbourn. J.P 11803
Kilburn. J.O 2824
Kilburn. P 5069
Kilham. H.A 8798
Kilham. P 8227
Kilian. M 6043. 10881. 10893
Killar. L 6862
Killham. K 7315. 12150
Killios. L. 1669
Kilpatrick-Smith. L. 3135
Kilpatrick. G.S 10341
Kilpatrick. M.E. 3376
Kilpatrick. M.W. 12540
Kilpert. B. 13329
Kiltz. H H 11186
Kim. B.H 3853
Kim. C.H 4422
Kim. J -P. 10608
Kim. J.K 4472
Kim. J.S 2846
Kim. K.-H 10380
Kim. K.S 331. 2996. 3066. 5339. 6795. 6826
Kim. M.-A 4941
Kim. M H 2314
Kim. R 1623. 11134.
Kim. S -H. 11134
Kim. S -J 10608
Kim S Y 10347
Kim. Y. 9022.
Kim. Y.B. 7441. 7443. 8423. 8435
Kim. Y.H 10347
Kim. Y M 2687. 2786.
Kimball. A.M. 5320
Kimber. S.J. 11145
Kimberg. M. 863
Kimchi. A 7942
Kime. M.J 9679
Kimura. A 5018. 8580. 12402
Kimura. H. 1994
Kimura. I 10618
Kimura. J 1822
Kimura. K. 10067 10155
Kimura. M 3923. 4817. 9718. 10009. 12041.
Kimura. S 6467. 10009. 10898. 12618
Kimura. T 182. 2389. 5669. 6027. 9563
Kimura. Y. 3096. 4789. 6623. 7400. 7796
Kimzey. S.L. 2240
Kinare. S.G 7126.
King. A. 1717. 5067. 8822
King B F 609
King D L 9488
King. E.G 1130
King G M [illegible]
King. G.S. [illegible]
King. H.A. 10715. 12053.
King. H.D 7739.
King. K. 3502
King. R.D 8229
King. R E 12044
King. R.W 12610.
King. S.E 1116.
King. T.C 4466
Kinghorn. G.R 8006
Kingma. J G. Jr. 111
Kingsbury. D.T. 1432.
Kingston. D. 1871.
Kingston. D.J. 2.
Kingston. R.E 3892
Kinjo. T. 7256
Kinnebrew. P.S. 11500
Kinner. J A 5125
Kinney. T. 1667
Kinnunen. E 10432
Kino. K 7474
Kinoshita. S. 213. 11249
Kinoshita. Y 8922
Kinosita. K. Jr 4789
Kinsella. L 7514
Kinsman. O.S. 6102
Kintaka. K 2991
Kinyon. J.M 4301
Kiprianova. E.A. 11119. 12269. 12381
Kirby. B 9217
Kirby. R. 5874. 8489
Kirby. S.M 357
Kirby. T.W 4036
Kirchheimer. W. 3177
Kirchhoff. H 3576. 5486. 9359
Kirchhoff. V.H 7229
Kirchman. D 2499
Kirchman. D.L 10808
Kirchner. A 4691
Kirchner. D B 9287
Kirchner. F 485
Kirchner. G 1266
Kiredjian. M. 153. 10901
Kirev. T 4543
Kirillov. S.V 3912
Kirisawa. T 777
Kirk. G. 7410
Kirk. J.A 9325
Kirk. R.S 3385
Kirkland. J J 10284
Kirkland. J L. 2098
Kirkpatrick. J.R. 11874
Kirpal. G. 3632. 10682
Kirst. H.A 7639. 11355
Kirubakaran. C. 3355. 5311.
Kisaki. T. 4695
Kishi. F 5814

Kishi, K. 7737.
Kishi, T. 2988, 9620.
Kishida, T. 6892, 13044
Kishimoto, M. 173, 176.
Kishko, Y.G. 8712, 12247.
Kishore, G.M. 7564, 7566.
Kishore, K. 8842.
Kishore, R. 8274.
Kishsh, E. 10727.
Kislova, L.M. 10945.
Kislukhina, O.V. 12695.
Kiss, A. 1625.
Kiss, G.B. 6735.
Kiss, J. 8382.
Kissinger, J.C. 5140.
Kissling, M. 6227
Kist, M. 10240, 10890.
Kisumi, M. 2982, 3918.
Kita, M. 6892.
Kita, N. 6163
Kitada, M. 6517.
Kitagawa, T. 3955, 8581.
Kitahata, S. 4905
Kitajima, H. 12755.
Kitajima, J. 4156.
Kitajima, N. 270.
Kitamikado, M. 42, 1513
Kitamura, I. 2992.
Kitamura, S. 7723, 7730, 7732, 11354, 11373
Kitamura, Y. 10771.
Kitaw, Y. 4377.
Kitayama, Y. 4868
Kitchell, J P. 5791.
Kite, J.H.,Jr. 5184
Kito, M. 8470.
Kito, Y. 3872, 4784.
Kitts, P. 7692.
Kitzis, M.D. 6213, 7784
Kitzrow, D. 4692, 8604, 11585.
Kiuye, A. 5801.
Kiyasu, T. 8666.
Kiyono, H. 1124, 5199, 11519
Kiyoshima, K. 2977, 12908
Kiyoyama, K. 9360.
Kizer, K.W. 5385
Kizu, A. 10618
Kjeldaas, L. 38.
Kjellander, J. 671, 834, 2251, 12274
Kjellberg, E. 3425.
Kjelleberg, S. 12162.
Kjems, E. 3592, 3820.
Kjoller Larsen, I. 11083.
Kjosbakken, J. 12789.
Klaembt, D. 1578.
Klaenhammer, T.R. 2628, 2940
Klaiman, A.P. 2361.
Klapper, D.G. 6869
Klapwijk, A. 8184.
Klassen, L.W. 7184.
Klastersky, J. 313, 937, 1704, 2999, 3034, 4531, 5096, 8050, 9943, 11982, 13118, 13130.
Klaui, H. 13166.
Klaus, B. 11995.
Klaus, S. 1654.
Klaveness, D. 8157.
Klebanoff, S.J. 5209, 10184
Klebanov, G.I. 8992.
Klebba, P.E. 5731.
Kleber, H.P. 141.
Kleckner, N. 4110, 8673.
Klee, C.B. 4890
Kleeberg, H.H. 6256.
Kleeman, E.G 2628.
Kleibl, K. 4801.
Kleid, D.G. 1624.
Kleihauer, E. 3466
Kleiman, M.B. 11895.
Klein, D. 12584.
Klein, D.A. 2444, 3692, 8168, 8204.
Klein, G. 11723.
Klein, G.C. 7908.
Klein, H. 1961.
Klein, H.J. 3510.
Klein, J.O. 647, 6234, 7198, 10574, 11926, 13128.
Klein, M. 7295, 12097
Klein, O. 12496.
Klein, P. 10754
Klein, R. 2311.
Kleinberger, G. 11883.
Kleiner, A.R. 3912.
Kleinhempel, H. 2417.
Kleinhofs, A. 2816.
Kleinkauf, H. 12672
Kleinknecht, D. 2002
Kleinman, G.M. 11849.
Kleinman, W. 6873
Kleinpeter, C.C. 7233.
Kleinzeller, A. 12293, 13533
Klement'eva, T.A. 206.
Klemm, P. 514, 3920, 6499, 10168, 11104
Klemme, J.-H. 1537, 4050.
Klemme, J.W 2307.
Klempner, M.S. 7916.
Klenner, M.-F 7392.
Kleppe, G. 1862.
Kleppe, K. 1435, 8494.
Kleris, G. 13230.
Kleris, G.S. 7086.
Klesius, P.H. 10680.
Klesius, P.L. 6098.
Kleven, S.H. 1887, 6341, 6342, 6349, 10270, 13004, 13394.
Kleyn, J.G. 1973, 2468.
Klicker, R.E. 8821.
Kliger, A.S. 866.
Kligman, A.M. 3262, 5274, 13082.
Klima, H. 7231.
Klimek, J.J. 11860.
Kline, B.C. 11305
Kline, E. 6708.
Klingmueller, W. 3080.
Klinner, C. 9771.
Klinner, W 2252.
Klionsky, D.J. 12638.
Klipstein, F.A 4237, 11638, 12971.
Klish, W.J. 11767.
Klisiewicz, J.M. 3656
Klita, S. 7797, 9858
Klitsunova, N.V. 13372.
Klock, G. 12778.
Klock, G.O. 8167
Kloepper, J.W. 1213, 2427, 5498, 8269, 10750, 13438.
Kloos, W.E. 1441, 2569, 8338, 9733, 11961.
Klopfenstein, W.E. 3856
Kloss, M. 13502
Klotz, U. 11764.
Kluepfel, D.A. 7301.
Klug, M. 137.
Klug, M.J. 8226, 12161.
Klug, R. 11495.
Kluge, W. 2124.
Kluger, M.J. 2361
Kluger, R. 6657.
Klut, P. 920, 6244
Klyushnikova, T.M. 13516
Kmet, V. 9884
Kmety, E. 10500
Knaapen, J.W.M. 9427.
Knackmuss, H.-J. 114.
Knackmuss, H.J 2645.
Knaff, D.B. 3815, 3819, 4781, 5685.
Knaflic, T. 9661.
Knapp, C. 5210.
Knapp, J.S. 6817, 8378, 8426, 8900.
Knapp, W. 527, 3522, 5210, 9358, 13167.
Knappe, J. 1593.
Kneale, G.G. 2902, 2903.
Knie, B. 5086.
Knighorn, G.R. 2150.
Knight, H.D. 8845.
Knight, J.A. 2113.
Knight, R. 2681.
Knight, S. 4134.
Knill-Jones, J.W. 11049.
Knirel, Y.A. 6676, 10162, 10163.
Knittel, M.D. 7380.
Knobloch, J. 11779.
Knoblock, K. 11035.
Knoll, B.J. 7683.
Knoop, F.C. 481, 6023, 13181.
Knoroz, M.Yu. 11000.
Knorre, D.G. 1447.
Knothe, H. 5068, 10003, 11295.
Knott-Hunziker, V. 9744.
Knowles, C.J. 1383.
Knowles, C.O. 9612.
Knowles, J.R. 7554.
Knowles, M.A. 10444
Knowles, R. 3724, 6430, 12733.
Knox, K.W. 2036, 5634, 11230.
Knox, P.P. 12297, 12475.
Knudsen, J. 10382.
Knyazeva, V.L. 12217
Ko, F. 5430
Ko, H.L. 9024
Ko, W.H. 2461, 8194.
Kobara, Y. 4281.
Kobasa, W.D. 6140.
Kobashi, K. 5749.
Kobatake, H. 4946
Kobawila, S. 6629
Kobayais, A. 6900.
Kobayashi, A. 3070.
Kobayashi, F. 8768, 12588
Kobayashi, H. 6493.
Kobayashi, K. 760, 2966.
Kobayashi, M. 3872, 5754, 7109, 7735, 7751, 11370.
Kobayashi, R. 6814
Kobayashi, S. 2730.
Kobayashi, T. 1805, 3023, 4174, 8775, 9630.
Kobayashi, Y. 355, 895, 1025, 2134, 3016, 7227, 10578, 11181, 12830
Kobetz, N.D. 1447.
Kobori, J. 8547, 11676.
Kobori, N. 632, 1267.
Kobos, D.M. 3009.
Kobzeva, N.Ya. 12576.
Kocan, K.M. 8901, 10697.
Koch, A.L. 1333, 1345, 4196.
Koch, C. 12864.
Koch, D. 2021.
Koch, G. 3290, 4368.
Koch, H. 5070.
Koch, K.M. 7106.
Koch, M.H.J. 8588
Kochan, I. 2673.
Kochan, J. 5846.
Kocharova, N.A. 6676, 10163.
Kocherovets, V.I. 2304.
Kochetkov, N.K. 10160, 10162, 10163, 11544.
Kochi, H. 2956, 3020.
Kochkina, G.A. 12136, 12141.
Kochs, G. 11881.
Kociba, G.J. 2378, 9367.
Kock, N.G. 3462.
Kocur, M. 8346.
Kocy, O.R. 291.
Kodaira, R. 2782, 2784.
Kodaki, T. 8459
Kodama, H. 512.
Kodama, Y. 7809, 11364.
Kody, M. 10524.
Koechel, H.G. 166.
Koeda, T. 5116, 10054, 10055
Koehler, B. 2608, 3448, 13101.
Koehler, D. 11723.
Koehler, D.E. 12166.
Koehler, G. 2281.
Koehler, P.E. 5102.
Koehler, W. 1897.
Koehne, G. 2387, 4562.
Koekman, B.P. 12825.
Koellreutter, B. 13113.
Koelmel, H.W. 10431.
Koemm, S. 11914.
Koenen, M. 8665
Koenig, B. 4904.
Koenig, K.G. 717.
Koenig, W.A. 293.
Koepp, L.H. 220.
Koerber, F. 1535
Koermendy, B. 4668.
Koessel, H. 1459, 2706.
Koga, H. 4026.
Koga, N. 4026.
Koga, T. 180, 12702.
Kogan, M.G. 524.
Kogon, V.Yu. 130.
Koguchi, S.-I. 12531.
Kogure, K. 1376, 8161.
Kohjima, K. 7254
Kohl, D.H. 1171.
Kohl, S. 7068.
Kohler, F. 9387.
Kohler, R.B. 2008, 3207, 3343.
Kohn, D.F 4525
Kohn, D.F. 890.
Kohn, L.D. 5152, 10094.
Kohne, E. 3466.
Kohno, M. 1008
Kohsaka, M. 7637.
Kohvakka, A. 801.
Koide, M. 355.
Koide, Y. 4048.
Koike, I. 8195.
Koike, J. 8725, 8781.
Koike, Y. 5803.
Koistinen, J. 11694.
Koizumi, J. 10987.
Koizumi, K. 3184, 7359, 7360, 7362, 10854, 10856, 12137.
Kojima, A. 4281.
Kojima, K. 95, 5932, 9912.
Kojima, M. 2970.
Kojima, T. 9947.
Kojima, Y. 296, 2993.
Kok, K. 12959
Kok, S.H. 6150.
Kokas, E. 1122.
Koker, R.H. 9218.
Kokorin, I.N. 5419, 13372.
Kokubu, T. 2779.
Kokufuta, E. 7449.
Kokunov, A.V. 10865.
Kokusho, Y. 11198.
Koland, J. 3983.
Koland, J.G. 7558, 11197.
Kolar, J.R. 13063.
Kolator, B. 13242.
Kolb, A. 5710.
Kolbe, D.R. 10705.
Kolchinskaya, I.D. 12649.
Kolehmaines, L. 10306
Koleshko, O.I. 12172.
Kolesnikov, V.A. 5739, 5740.
Kolesnikova, V.Y. 524.
Kolhatkar, M.K. 13089.
Kolikova, T.G. 4654.
Kollek, R. 9887.
Koller, A.E. 3025.
Koller, Th. 7498, 11102.
Kolling, W.M. 2133, 3411.
Kollisch, N. 967.
Kollisch, N.R. 6288.
Kollitz, J.P.M. 838.
Kollman, V.H. 5735.
Kolmos, H.J. 7132.
Kolodkin, A.B. 5705.
Kolodrubetz, D. 2868, 8681.
Kolokolova, L.O. 13532.
Kolot, M.N. 12583.
Kolstad, J. 5790
Koltsida, K. 4178, 10594.
Koltukova, N.V. 12597.
Kolver, I. 11728.
Kolyadenko, V.G. 5348.
Komada, H. 7299.
Komaem, K. 11200.
Komagata, K. 8163.
Komaki, K. 4407, 4718
Komano, T. 83, 6533.
Komarova, N.V. 12631.
Komatsu, H. 762.
Komatsu, K. 2782, 2784, 11317.
Komatsu, K.K 3082.
Komatsu, S. 2513, 3070, 3314, 8756.
Komatsu, T. 8990.
Komatsu, Y. 2513, 2998, 3070, 5103, 6832.
Komatsuda, M. 3450.
Komel, R. 231.
Komemushi, S 9816.
Komersova, I. 7492.
Komorowski, R.A. 14.
Kon, H. 777.
Koncz, C. 1625.
Kondo, E. 4558, 5040, 7735, 11370.
Kondo, H. 6163.
Kondo, I. 6607.
Kondo, M. 2585, 2677, 3018, 3027, 4177, 5607, 5608, 5625, 7894, 8453, 8551, 8592.
Kondo, S. 2796, 4192, 5801, 7635, 9796, 10075.
Kondo, T. 6852.
Kondo, W. 4262.
Kondo, Y. 7722, 11190.
Kondon, M. 9809
Kondorosi, A. 253, 1625.
Kondracki, M. 3074.
Kondratenko, G.P. 12271.
Kondratenko, V.N. 13173.
Kondratyeva, E.N. 12410, 12434, 12560.
Kondratyeva, N.P. 6965.
Kongshavn, P.A.L. 3212, 5231.
Konheiser, U. 2663.
Konicek, J. 8686, 8690, 12747.
Konickova-Radochova, M. 8686, 8690, 12747.
Konickova, Z. 11991.
Konig, C.H.W. 1914.
Konigova, R. 11991.
Konigsberg, N. 2331.
Koning, G.A.J. 10410.
Koning, J.H. 7579.
Konings, W. 11027.
Konings, W.N. 146, 2591, 6503.
Konishi, H. 4803, 5626.
Konishi, K. 5596, 7324.
Konisky, J. 3071.
Konno, K. 10029.
Konno, S. 2342.
Kono, K. 5622.
Kononenko, A.A. 4790, 12297, 12475.
Kononkov, F.P. 12726.
Konopka, C.A. 13263.
Konopka, E.A. 6798.
Konova, I.V. 10945.
Konovalov, S.A. 12596.
Konovalova, S.M. 10903, 10930.
Konrad, M. 6768.
Konstantinov, A.A. 12281.
Konstantinov, B.A. 5420.
Konstantinova, N.D. 10951, 11622, 13372.
Kontomichalou, P. 4178, 7826, 10061, 10594.
Kontor, E.J. 3645.
Konuma, H. 9520.
Konyakhin, A.N. 12373.
Koontz, F.P. 964, 7184.
Koontz, S.W. 9682.
Koop, K. 10817, 12156.
Koopman, B. 5568.
Koopman, J.P. 1048, 2329, 3560, 10725.
Koopman, W.J. 6114.
Koornhof, H.J. 4511, 7772 11377, 11382.
Kopec, W. 11589.
Kopecka, B. 8048
Kopecko, D.J. 517, 5835, 98
Kopecky, K.E. 9050.
Kopit, K.K. 3430.
Koppes, L.J.H. 12357.
Kopylov, A.M. 2697, 6584,
Koranyl, I. 9091.
Korbecki, M. 8917, 8918.
Korbut, S.E. 7085.
Korchak, T.S. 9914.
Kordova, N. 4260.
Korfhagen, T.R. 12009.
Korganov, Ya.N. 9957.
Korhonen, T.K. 8827.
Korkeala, H. 443, 4685.
Korman, R.Z. 6621.
Korn, J.H. 990.
Kornberg, A. 3508, 8543, 85 8545, 8546, 8547, 8674, 9 9717, 11292.
Kornfeld, S.J. 9728.
Kornhauser, P. 13272.
Kornitzer, I. 9063.
Kornman, K.S. 2364, 6159, 9564.
Kornreich, H. 3502.
Korobeinikova, E.A. 3421.
Korobov, V.P. 12492.
Korobova, Y.N. 10997.
Korolko, O.F. 1426.
Koronelli, T.V. 4084, 7629, 11007, 12363.
Korotkov, S.A. 12650.
Korsager, B. 1982, 4421.
Kortbeek-Jacobs, N. 5235.
Kortbeek-Jocobs, N. 4339.
Kortelainen, P. 6291.
Korth, H. 212, 6561, 6773.
Korthas, G. 4330.
Korting, H.C. 918.
Kortstee, G.J.J. 12380.
Kortum, W.M. 4274.
Korzeniowski, O.M. 13209.
Korzhenevich, V.I. 11000.
Kos, A. 4971.
Kos, W.L. 11381.
Kosakai, N. 4687, 7763.
Kosaki, G. 1708.
Kosanke, S.D. 1064.
Kosaric, N. 3928, 11248.
Koshcheeva, G.G. 3430.
Koshi, G. 4440, 7831.
Koshi, T. 8768.
Koshikawa, T. 2585, 8592, 98
Koshimizu, K. 5202, 6360.
Koshland, D.E.,Jr. 247, 5602, 7612, 9587.
Koshy, T.S. 700.
Kosiba, B.E. 11264
Kosikova, B. 10041.
Koskela, P. 553.
Koskimies, S. 819.
Kosmidis, J. 5075, 5443.
Kosmowski, A. 2160.
Kosoy, M. 7989.
Kossen, N.W.F. 12461.
Kossmann, C. 800.
Koster, F.T. 544.
Koster, W.H. 7736.
Kostetsky, P.V. 8519.
Kostka, A.G. 140.
Kostov, O. 6420.
Kostriken, R. 5826.
Kostrikina, N.A. 12348, 12676.
Kosuge, T. 5837.
Kosunen, T.U. 819, 824, 3364, 7024, 12274.
Kosuta, D. 9264.
Kosych, V.G. 5019.
Kotagal, S. 7065.
Kotan, H. 3565.
Kotani, H. 5202, 6360, 12568.
Kotani, S. 4950, 6913.
Kotani, Y. 354, 2191.
Koteeswaran, A. 12260.
Kotelewetz, E. 3410, 8795.
Kotelko, K. 7678.
Kothari, S. 11461.
Kotian, M. 784.
Kotlarski, I. 9019, 9048.
Kotlarz, D. 4003.
Kotlyarova, G.A. 2596, 13372.
Kotoh, K. 9944.
Kotov, V.I. 428.
Kotova, E.A. 5686.
Kotowski, K. 5454.
Kotrovskaya, L.G. 9193.
Kotta, P.A. 1045.
Kottaridi, H. 11739.
Kotyk, A. 8454.
Koulakoff, A. 11498.
Koumaditis, A. 1035.

nantakis, E 6216
nare, B. 5965.
a, V. 8542.
ilsky, O. 13283.
teva, Y. 6644.
a, M. 7941.
seff, B. 10469.
sia, C. 2178.
watli, K. 549, 7790.
yama, T. 4789.
alchuk, V.K. 2033.
alenko, E.V. 8165
alenko, N.K. 13359.
alenko, T.V. 12469, 12958
alev, V.M. 1942
aleva, N.V. 1238
aleva, T.F. 12444.
atchev, S 4917.
rov, B.G 12444.
valewski, S. 11881.
valski, J.J. 2378.
vnator, S 3497
ama, M. 2970.
ama, Y 1428, 8470, 12487.
asu, S. 4740, 5732.
areva, M. 4223.
bor, D. 3166.
hevin, P.A. 12136, 12141.
hevina, L.S. 11372.
ima, T. 5923
inski, A.W. 9849.
loff, L.M. 6733, 7675
lov, V.P. 11116.
lovskii, I.E. 12758.
lovsky, N.D. 3430
uchi, A.M. 7344
uka, S. 5589, 6487
uki, S 7750.
ukue, H. 3111, 8865
al, B. 3897, 3898, 5728, 11088
b, K. 8626.
dolfer, F. 6798.
emer, B.B 827.
emer, J. 5015.
fka, R 4506.
aft-Kinz, J 5406.
aft, D. 5240.
agballe, K. 594.
ah, D 10132
auchoke, S 4781
ajewska, D 8655, 9799
ajewski, C. 3842
ajewski, C.A. 6698.
akow, J.S. 1488.
al, J. 10663, 12057.
al, T A 41
alova, M 13467
alovcova, E 7493, 8749
amarov, V.M. 12506
ambeck, C. 3732.
ambeck, H.-J. 3732.
amer, G 2705
amer, H.J.M. 7483.
amer, I. 1943.
amer, M. 5663.
amer, S.J 8846.
amer, V C 4955
amp, E 8805
antz, A 7557
ranz, R G 11177
ranz, T. 5172.
ranzler, J.K. 11711
rasheninnikova, S.A. 2438
rasilnikov, A.P. 10056
rasilnikov, I A 8937
rasinski, K 5344
rasner, R 10373
rasnobrizhy, N.N 12374
rasnobrizhy, N.Ya. 12375, 12446, 12561.
rasnova, L.A. 6520
rasse, B. 573, 1629, 2608, 6160, 9014.
rassilnikova, E.N. 12410, 12434, 12690.
rasyuk, L.S. 13298.
ratka, J. 13437.
ratochvil, K. 7996.
ratofil, P. 4029.
Kraus, S.J. 6025.
Krause, D.C. 12340
Krause, D.W 6259
Krause, K.L. 5937
Krause, S.M. 484.
Krauss, H. 7178, 13379
Krauss, S.W. 9766
Krautheim, P. 12648
Krauzova, V.I. 10867, 12203.
Kravcak, D.M. 4247.
Kravchenko, L.V. 13500.
Krawiec, S. 7472.
Krawielitzki, R. 8080
Krayev, A.S. 8593.
Krayeva, N.I. 12666.
Krcmery, V. 10003, 10607, 10828, 11295, 11328, 12678.
Krebs, D. 7733, 11251.
Krecmerova, M. 10357.
Kreeftenberg, J.G. 10221
Kreger, A. 1091, 3217, 7543
Kreger, A.S. 4235
Kreider, J.W 10210
Kreil, G. 7407
Kreishman, G.P 4054
Kreiswirth, B.N. 9840
Kremer, R.J. 10784.
Krempin, D.W. 2484, 9495
Krenitsky, T.A. 7570.
Krens, F.A. 12825
Krepler, P. 652
Kresel, P.A. 7834
Krespi, Y.P. 2259
Kress, M. 11759
Kressler, K. 4623
Kretchmer, P.J 1669
Kreter, J.K. 11954
Kretovich, V.L 13488
Kretovich, W.L. 2820, 12315, 12667
Kretschmer, A 12710
Kretschmer, R.R. 3223
Kreutz, W. 1413.
Kreutzer, D. 988.
Krichevsky, E.J. 10734
Krichevsky, M.I 6474, 10142, 12264
Krieg, A. 3776, 9385
Krieger, D. 6156.
Krieger, V. 8834.
Kriek, J. 7515, 7516
Krikos, A. 8687
Krippahl, G. 7487
Krishnamoorthy, K.A. 13061
Krishnamurthi, P.S. 12043
Krishnamurthy, P.V. 841
Krishnamurthy, V. 9334
Krishnan, C. 7026
Krishnanaik, D. 5376
Krishnapillai, V. 4133, 6763, 6765, 12520
Krishnappa, G. 10219.
Krishnaswami, V. 959
Krishnaswamy, P.R. 1482
Kristensen, B. 1892.
Kristensen, H. 5978
Kristensen, J.K 851
Kristiansen, J.E.H 5973, 5976
Kristjansson, J.K. 4049
Kristoferitsch, W. 2107
Kristoffersen, T. 11685.
Krivdin, L.B. 130
Krivisky, A.S. 6724
Krizek, L. 7848
Kroeger, A. 4031, 4920
Kroencke, A. 4954
Kroening, U. 8855, 11376, 11446
Kroese, F.G.M. 7932
Krogh, D. 3162
Krogh, H.K. 604
Krogstad, D.J. 4466
Krogstad, R.E. 1097
Krohn, K. 11794.
Krol, A.J.M 7664, 11334
Krol, P. 11632
Krolewski, J.J. 8733
Kroll, H.-P 4078
Kroll, H.P 2826
Kroll, R.G. 57, 5613
Krollis, U 3022
Kronberger, L. 5406
Krone, B 9918, 9919
Kroner, K.H. 11173
Kronevi, T. 11497
Kronvall, G 11559, 11583
Krook, A. 671, 672, 674, 834
Kropec, I. 9264
Kropinski, A.M. 6390, 7627, 8133
Kropinski, A.M.B 6513
Kroppenstedt, R.M. 9544, 10880
Krouse, H.R 113, 8440, 12329
Kroyer, G. 12946
Kroyer, J. 4798
Kruegel, H. 1654
Krueger, C. 10343
Krueger, D.H. 2895
Krueger, J.H. 1446, 1639
Krueger, P.G. 1435
Krueger, W.C. 2990
Kruger, H.W. 12486
Kruger, R.L. 13172
Kruglyak, E.B. 9914.
Krugova, E.D. 12668
Kruk, V.I. 225.
Krul, J.M. 7471.
Krulwich, T.A. 5685, 9819
Krumphanzl, V. 8542.
Krupyanko, V.I. 12583
Kruse, T.A 4828, 7518.
Kruszewski, F.H 965
Kruszewski, J. 13041
Kruyssen, F.J. 4075.
Kryger, P. 3427.
Krylov, I.A. 10056.
Krylova, I.A. 7821.
Krynetsky, E.Yu. 2697
Kryukov, P.G 275.
Kryukov, V.R. 12456
Krzycki, J.A. 6543.
Krzymanski, M. 11589.
Ksenzhek, O.S. 12331, 12452
Ku, Y 6541.
Kubak, B.M. 9701.
Kubat, J. 13466, 13467
Kuberskaya, S.L. 13516
Kubica, G.P. 10883
Kubin, M. 1889, 5545
Kubin, V. 4256
Kubitschek, H.E. 3843
Kubo, A 7737
Kubo, M. 2342, 3096, 13386
Kubo, N. 51, 2789
Kubo, S. 10067
Kubota, H. 7720, 11367
Kubota, K. 12487.
Kubota, Y. 11172.
Kuboyama, M. 12207
Kuc, J. 8141, 12111.
Kucan, J.O. 5430.
Kucar, S. 8628, 10044
Kucera, C.J. 1909
Kucera, I. 4780.
Kucher, R.V. 11008.
Kucsera, G. 4255.
Kudela, V. 1138, 13437
Kudelova, A. 1354.
Kudeyarov, V.N. 9441.
Kudo, I. 1621.
Kudo, T. 6618.
Kudoh, Y. 8455
Kudryavtsev, V.A. 12644.
Kudsk, K.A. 1107
Kueck, U. 12834
Kuehn, H. 6002
Kuehr, J. 9271
Kuemmel, A. 9771.
Kuemmerle, N. 1438.
Kuempel, P.L. 6690.
Kuenen, J.G. 4918, 5643, 5773, 8450, 11011
Kuennen, R.W. 4054
Kuentzel, H. 166.
Kuenzel, W. 13115
Kuepfer, U. 9326.
Kuestner, H.G V. 9276
Kug, J. 13452
Kuhara, K. 10723.
Kuhara, S. 160.
Kuhl, S.A. 6704.
Kuhlmeyer, J. 6652
Kuhn, A. 211.
Kuhn, A.H.U. 4123
Kuhn, B. 11057.
Kuhn, H. 5743.
Kuhn, H.J. 11021.
Kuhn, J. 4114.
Kuhn, M. 7739.
Kukhanova, M.K 177, 10011
Kukhtin, V.V 183
Kukita, T. 160.
Kukreja, N 9029
Kula, M.-R. 11173
Kulaev, I.S. 12548
Kulakova, S.M. 11140, 11219
Kulayev, I.S. 12417
Kulba, A.M 12821
Kulene, V.V. 12633
Kulhanek, M 8628
Kulikova, D.A. 11452
Kulikovskaya, M.D. 12948, 13433.
Kulinski, S 3121.
Kulkarni, D.G. 10043
Kullmann, K.-H. 10948
Kulshreshtha, K. 7300
Kuma, B. 3213
Kumada, T. 2805
Kumagai, H. 2725, 3995, 4040, 4056.
Kumagai, I. 8491
Kumagai, K. 1720, 3015, 11598
Kumagai, S. 6852, 13317.
Kumamoto, C. 8533.
Kumamoto, Y. 3193, 3194, 4175.
Kumar, A. 1003, 4200, 7550, 8908, 12963
Kumar, A.A. 1324, 2352
Kumar, B. 701, 1946, 2064, 2087, 11666.
Kumar, C. 13071
Kumar, G. 8496, 9688.
Kumar, K. 8908, 13179
Kumar, K.K. 11735. .
Kumar, N. 5254, 13088
Kumar, P. 5135, 8842.
Kumar, R. 693, 2658, 5413, 8867.
Kumar, S. 966, 2603, 4736, 5335, 6515, 7331, 12466, 12963
Kumar, S.A. 7620.
Kumar, T. 2064
Kumar, Y.M. 10297
Kumazawa, K. 2436, 6422.
Kumazawa, Y 4281.
Kume, K 12052
Kume, T. 233
Kumi-Diaka, J. 2367, 7262.
Kumor, K.M 4398
Kunau, W.-H. 11144.
Kunde, C. 4254.
Kundi, M. 652.
Kundsin, R.B. 5373.
Kundu, B.S. 3726.
Kuner, J.M. 9898.
Kunesh, J.P. 2335
Kung, H. 8598.
Kunii, K. 869.
Kunii, O. 8990.
Kunimine, I. 8257.
Kunin, C.M. 10401, 11406
Kuninori, K. 5938, 8797.
Kunisawa, R. 2876.
Kunkel, J.R. 5187, 8803.
Kunkel, T.A. 4800
Kuno, M. 346.
Kuno, S. 4055.
Kuno, T. 3888
Kunter, E. 10924
Kuntsevich, L.D. 6247, 7829.
Kuntz, H.D 3494.
Kunz, D.A. 288.
Kunz, R. 12414
Kunze, B. 7713, 11361
Kunzru, K.M.N 10458.
Kuo, C.-C. 6100, 10184
Kuo, C.C. 4392, 8928, 9278.
Kuo, L.C. 9736.
Kuo, T.T. 8723
Kuparinen, J. 12184
Kupchik, E.J. 11467.
Kuperman, O. 1873.
Kupersztoch-Portnoy, Y.M. 4973.
Kupferman, A. 10495.
Kupka, J. 11349.
Kupriyanova, F.G. 12518.
Kuraishi, H. 12248.
Kuramasu, S. 5188.
Kuramata, T. 310, 1762.
Kuramitsu, H.K 8619.
Kurasawa, T. 5906.
Kurata, H. 9520
Kurata, K. 7470.
Kurata, M. 9792.
Kuratomi, K. 11181.
Kuriger, W.E. 1148, 5503.
Kurihara, Y. 2661.
Kuriki, Y. 66, 4814
Kuritza, A. 3858.
Kuriyan, K.J. 7318
Kurlinski, J.P 882.
Kuroda, K. 2994
Kuroda, S. 12487.
Kurogi, Y. 4016.
Kuroiwa, A. 7931.
Kurokawa, M. 634.
Kuroki, S. 1025, 2134
Kuronuma, T. 2223, 4534.
Kurosaki, T. 5379
Kurosky, A. 4229, 9699, 11476.
Kurosu, Y. 895, 1720, 1721, 3015.
Kurotsu, T. 3965, 12672.
Kurrle, E 6156.
Kurrle, G. 11775
Kurshakova, T.S. 7085
Kurtskhalia, T.V. 165
Kurtz, T.O. 3011, 7188.
Kurtzman, M.A. 9617.
Kurup, V.P. 1286, 3174, 3175, 5307.
Kuruvilla, A.C. 6295
Kurz, C. 9590
Kurz, G. 6661
Kurz, G.H 977
Kurz, R. 637
Kurzynski, T.A. 8763.
Kusaka, T. 5749.
Kusakabe, A 10074
Kusakabe, H. 9917.
Kusama, S. 10187.
Kusano, S. 1202
Kusche, J. 3365
Kuschmitz, D. 3887
Kusek, J.W 8347.
Kush, A.K 2473, 9477.
Kushida, H. 4946.
Kushner, D.J. 8377, 9975
Kushner, S.R. 11263, 12750.
Kusnierz, J.-P. 1646, 5001.
Kusnir, J. 315.
Kusoffsky, E. 11708.
Kustermann-Kuhn, B. 5819
Kustner, H.G.V. 2284
Kusuda, R 1908, 2373, 5457, 6332, 6333, 6334, 6335, 6357, 10653, 12173.
Kusumoto, S. 4950.
Kusunoki, M. 3868, 5683
Kusunoki, Y. 2318.
Kusuyama, K. 2585.
Kuttler, K.L. 1840, 13391.
Kuusi, N. 68, 3255
Kuwabara, N. 11280.
Kuwae, T. 9792.
Kuwahara, M. 119, 11829.
Kuwamizu, I. 3799
Kuwano, H. 365
Kuze, F. 5906, 13339.
Kuzin, A.P. 8519.
Kuzio, J. 7627.
Kuzmenko, V.P. 13145, 13298
Kuznetsov, V.D. 12620, 12657.
Kuznetsova, E.V. 4658
Kuznetsova, N.N. 178
Kuznetsova, T.A. 12695.
Kuznetsova, T.V. 6851.
Kuzovkin, V.A. 1771.
Kuzovkov, A.D. 7714
Kvach, J.T. 12223.
Kvarnstroem, M. 12144.
Kvasnikov, E.I. 12593, 12649, 13359, 13516.
Kveton, J.F. 10334.
Kvien, C.S. 2447.
Kvile, G. 3403
Kwaasi, A.A.A. 13005.
Kwan, C. 9928.
Kwapien, R. 10680
Kwasniewska, K. 5959, 7439
Kwasnik, I. 3580, 6789.
Kwast, R.H. 8392.
Kwiatkowski, Z. 4878.
Kwock, R.A. 1129.
Kwok, S.-C. 5670.
Kwok, Y. 6813.
Kwok, Y.Y 308, 327, 6799.
Kwong, C.T. 8086.
Kyelem, J.M. 4456.
Kyoung, H. 138.
Kyriatsoulis, A. 11074.
Kyrkou, M.R. 5427, 6286.

L'Azou, M. 2220.
L'Heureaux, P. 13185
L'Hirondel, J.L. 925.
L'Hommedieu, C. 881.
L'Hostis, D 10207
La Brooy, J.T. 1854, 1855.
La Licata, R. 12670.
La Placa, M. 30, 1318.
La Posta, V.J. 9019
La Scolea, L.J.,Jr. 3449.
Laatsch, H. 7718.
Laatsch, L.J. 11381.
Labadie, J. 7865.
Laban, P. 7391
Labane, L.J. 11210.
Labarga, P. 2128.
Labbe, J. 13199.
Labbe, M. 6475, 12257.
Labbe, R.G. 1811, 5770.
Laber, G. 7846, 11985.
Labia, R. 360, 2788, 5120, 12867
Labischinski, H. 10960, 12705, 12706
Laborde, A.L. 5668
Labows, J.N. 3262.
Labrosse, H. 13331.
Labrousse, C. 3536.
Labthavikul, P 8825, 9961.
Lacatena, R.M. 8730.
Lacava, P.M 5548.
Lacerda, M.D 7991.
Lacey, J. 2514.
Lacey, R. 7817.
Lacey, R.W. 4182, 4197.
Lach, P.A. 2051.
Lacher, K.P. 1558
Lackey, D. 9766.
Lackland, D.T. 12166
Lackner, F. 2897.
Lackner, K. 9271.
Lacko, I. 8461
Lacks, S.A. 6739, 12796.
Lacoste, A.-M. 4726.
Lacroute, F. 5865.
Lacut, J.-Y. 8001
Lacy, G.H. 5505
Ladd, T.I. 9491
Laddaga, R.A. 12334, 12347.
Ladner, J.E. 5791, 12630.
Ladner, R.C. 5791, 12630.
LaDue, R.L. 1116.
Ladygina, V.G. 8992, 11622.
Laehde, S. 9161.
Laethem, Y.V. 7155.
Lafaix, Ch. 11979.
LaFaunce, N.A. 10648
Laferriere, C.I. 10424
Lafeuille, B. 7027
Laffont, F. 11480.
Lafforgue, D. 11233.
Lafleur, L. 464.

Lafond, L. 2426.
Lafont, J. 11465.
Lafont, J.P. 7825, 10869, 13326.
Lafont, P. 11465.
Lafont, S. 3244.
Lafontaine, A. 10947.
LaForce, F.M. 9142, 11699.
Lagast, H. 313, 3034, 8050, 9943, 11982.
Lageveen, G. 6503.
Laggner, P. 12526.
Lago, B.D. 8769.
Lagosky, P.A. 3911.
Lagranderie, M. 9060.
Lagrange, P.H. 5249, 11584, 12424.
Lagrue, G. 13206.
Lahat, E. 13177.
Lahiri, B. 744.
Lahoz, V. S-B. 5111.
Lahti, R. 2754.
Lai A Fat, R.F.M. 10227.
Lai, C.-H. 598, 11532.
Lai, J.S. 4958.
Laibson, P.R. 977.
Laine, B. 9721.
Laing, A.B.G. 6945.
Laishley, E.J. 113, 12329.
Laitinen, S. 6291.
Lajeunesse, D. 8379.
Lake, J.A. 3943, 7507, 12541.
Lakshman, M. 174, 1483, 3982.
Lakshminarayan, S. 4387.
Lal, B. 10745, 11466.
Lal, H. 6175.
Lal, N. 2088
Lal, R. 5980
Laliberte, J.-F. 12612.
LaLiberte, P. 12170
Lalitha, M.K. 4440
Lall, J.C. 8017.
Lall, V.K. 4618
Lallemand, D. 6980.
Lallemand, M. 1773.
Lallier, R. 48, 464, 3598.
Lalucat, J. 9539.
Lam, E. 6560.
Lam, K. 7215.
Lam, S.K. 1854, 1855
Lamb, J.R. 7951.
Lamb, S.V. 10642.
Lamb, V.A. 10717.
Lambden, P.R. 1344, 5603, 10267
Lambe, D.W.,Jr. 7384
Lambelin, D. 888.
Lambert-Zechovsky, N. 6139, 6296, 8076.
Lambert, A. 11408.
Lambert, B. 12084.
Lambert, G.R. 3860
Lambert, J.M. 8507.
Lambert, J.W. 2447.
Lambert, P.-H. 11625.
Lambert, R. 10797.
Lambert, R.A. 504.
Lambert, R.W. 1732, 11463.
Lambert, T. 4416, 13350.
Lamberts, B.L. 7540, 7606.
Lambina, V.A. 9423, 10903, 10930, 12548.
Lambrecht, P. 2900.
Lambris, J. 2733.
Lambris, J.D. 4312.
Lamed, R. 4065.
Lamed, R.J. 4888
Lamers, J.M.J. 1814.
Laminkanra, A. 4204.
Lamisse, F. 878.
Lamm, D.L. 4280.
Lamm, R.B. 3831.
Lammel, C.J. 3230.
Lammert, J.K. 3226.
Lamond, A.I. 9680
LaMont, J.T. 2022, 6855.
Lamothe, P. 7234.
Lampe, A.S. 4697.
Lampe, M.F. 7835.
Lampe, R.M. 10322.
Lampen, J.O. 1551, 5743, 12673.
Lampert, I.M. 524.
Lamport, A. 13408.
Lampson, B.C. 2947.
Lamrani, Z. 3060.
Lamy, M. 979.
Lancaster, J.H. 7447.
Lancaster, J.R.,Jr. 4036
Lancaster, R.D. 3202.
Lancione, R.L. 8402.
Land, W. 9101.
Landau, J.F. 9235.
Landau, N.S. 11216.
Landen, R. 1657.
Landes, R. 13196.
Landes, R.R. 491.
Landesman, S. 9977.
Landesman, S.H. 334, 655, 885, 3419.
Landi, S. 175.
Landick, R. 7401.
Landini, S. 9213.
Landis, D. 11849.
Landis, E. 5629.
Landis, S.J. 3420.
Landowne, R.A. 7374.
Lane, C.M. 4772.
Lane, H.E.D. 284, 8734
Lane, R.S. 1031.
Lane, S. 9572.
Laneelle, M.A. 4083.
Lang, N. 1584.
Lang, N.P. 3296, 3297, 11684, 12003.
Lang, S.D.R. 9935, 10429, 10847, 11731.
Lang, W.K. 9790.
Lange, C.F. 7917
Lange, F. 1976.
Lange, K. 2153.
Lange, R. 9160.
Lange, S. 5168, 6872, 8116.
Langeland, G. 462.
Langelier, Y. 4682, 12071.
Langer, B. 13351.
Langer, R. 8582.
Langford, E.V. 10692.
Langkamp, P.J. 1184.
Langkramer, O. 9460, 9461, 9465.
Langley, D. 1458.
Langley, S.D. 10301.
Langlois, B.E. 4570.
Langman, L. 1589.
Langnick, A. 5268.
Langnick, W. 5268.
Langowska, I. 3844.
Langowski, J. 1521, 11087.
Langridge, Y.N. 9417.
Langsadl, L. 409.
Langslet, J. 6781.
Langston, C. 7899.
Lanier, B.Q. 5259
Lanigan, G.W. 2964.
Lanka, E. 2948, 4106, 4964.
Lanks, K.W. 12220.
Lanning, S. 1656
Lanser, M.E. 7952, 10183.
Lansey, S.C. 10516.
Lantier, F. 3253, 6147, 11538.
Lany, B. 7915.
Lanyi, B. 4710, 9219, 9220.
Lanyi, J.K. 7487
Lanza-Jacoby, S. 10516.
Lanzl, E.F. 11710.
Laohapand, T. 11907.
Laoussadi, S. 11949.
Lapaeva, I. 1650.
Lapage, S.P. 8313.
Lapchinskaya, O.A. 7651, 11363.
LaPeter, K.S. 3338.
Lapeyssonnie, L. 656.
Lapidus, I.R. 8356.
Laporte, J.M. 10002.
Lapresle, C. 3532.
Larbaoui, D. 3060.
Larbrisseau, A. 6236.
Lareng, M.B. 934, 1728, 5050.
Larget, I. 3653, 4597.
Larher, F. 9466.
Larimore, F.S. 9750.
Larinkari, U. 2201, 10233.
Larkin, J.M. 4772, 12344.
Larkin, S.M. 10116.
Larkins, J.M. 4720.
Larmas, M. 4355.
Larmi, T.K.I. 6291.
LaRocco, K.A. 5129.
LaRoche, L.J. 7912.
LaRoche, R.N. 2518.
Larochelle, D. 6193.
LaRock, P.A. 3744.
Laroussinie, G. 4503.
Larouze, B. 4509.
Larrabee, A.R. 3837.
Larrad, L. 10010.
Larraga, V. 4060.
Larrage, V. 5766.
Larrain, C. 13238.
Larregue, M. 4399, 10313.
Larrick, S.R. 2486.
Larrieu, G. 9322.
Larrimore, S. 8659, 11289.
Larrimore, S.A. 12683
Larsen B. 10280.
Larsen, B. 11808, 12988.
Larsen, J.C. 10200
Larsen, J.H. 8973.
Larsen, J.L. 5119, 8344, 9492.
Larsen, M.J. 3299.
Larsen, S.A. 1844, 4248, 6025, 8904, 11862.
Larsen, S.O. 11615, 12010.
Larson, A.D. 3711, 8251.
Larson, E. 12225.
Larson, E.L. 3515, 11925
Larson, H.E. 814, 8887.
Larson, R.J. 4753.
Larson, S.M. 12715.
Larsson, C.E. 3602, 9364.
Larsson, E. 2425.
Larsson, L. 9560, 9573.
Larsson, L.E. 12984.
Larsson, M.H.M.A. 9364, 10678.
Larsson, P. 2050, 4293.
Larsson, P.G. 4165, 4338.
Larsson, R. 12083.
Larsson, U. 12163.
LaRue, T.A. 3719, 12628.
Lasaosa, M.S. 13343.
Lascelles, J. 2787, 12451.
Lasfargues, G. 10389.
Lasi, Q. 842.
Lasierra, M.P. 10010.
Lasik, J. 8212.
Lasik, Ya. 10991.
Laskaris, G.C. 2013.
Laskin, A.I. 8416, 12590.
Lass, J.H. 1009, 5429.
Lassegues, M. 6066.
Lassus, A. 695, 5329.
Laszlo, V. 1850, 10017.
Laszlo, V.G. 9219.
Latchney, L.R. 4859.
Lategan, P.M. 7469.
Latham, E.K. 1011.
Latham, R.H. 3377, 10133, 10283.
Latif, A.S. 2170, 9190.
Latrille, J. 2024, 2295, 3361, 6633, 7007, 7061, 9255, 9258, 9299.
Latsch, H. 4151.
Latty, J.B. 8290, 9556.
Lau, J.M. 4460.
Lau, W.Y. 3457.
Laube, V.M. 3859.
Laudat, P. 390, 7766.
Laudelout, H. 10797.
Laudoyer, V. 7061.
Lauer, A.D. 6967.
Lauer, B.A. 2112, 3353, 3373, 9134.
Lauer, D.M. 1135.
Lauer, R.D. 3744.
Lauerman, L.H. 8868.
Laufer, H. 3374.
Laufs, R. 1677, 12842.
Laughon, B.E. 2543, 3778.
Laugier, J. 6238.
Lauharanta, J. 5329.
Launay, J.M. 692.
Launder, W.J. 7135.
Laureman, L.H. 11485.
Laurence, J.A. 12093.
Laurence, R.A. 11005.
Laurent, B. 2236, 2535.
Laurent, H. 5394, 7399.
Laurent, J.-M. 11953, 13355.
Laurent, J.C. 10388.
Laurenza, A. 1366, 9697.
Laurinavichus, K.S. 12140, 13509.
Lausberg, J. 5460.
Lause, S. 2368.
Lautensach, A. 12386.
Lauter, D.J. 2437.
Lautie, R. 13409
Lauwereyns, J. 2305.
Lauwers, S. 798.
Lavalle, R. 11430.
LaVenture, M. 742, 10105.
Laverick, A. 3334.
Lavette, A. 6393.
Lavi, H. 8709.
Lavialle, C. 6597.
Lavie, S. 10370.
Lavillaureix, J. 2202.
Lavker, R.M. 4365
Lavrik, O.I. 9758.
Lavrova, L.N. 10951.
Lavrovskaya, V.M. 6470.
Law, J.A. 7388.
Lawler, H.E. 8121.
Lawley, R.A. 1161.
Lawrence, A. 8143.
Lawrence, A.J. 3414.
Lawrence, E. 11649.
Lawrence, G. 7992.
Lawrence, J.C. 7346.
Lawrie, A.C. 1201.
Lawry, N.H. 4733.
Laws, E.A. 3292.
Lawson, R. 9296.
Lawson, T.L. 4429.
Lawson, W. 2259.
Lawther, R.P. 1439, 5834.
Laxminarayana, H. 4541.
Laxton, J.G. 6792.
Layden, T.J. 11770.
Layzer, R.B. 1822.
Lazaroff, N. 8432.
Lazdunski, A. 3938, 9645.
Lazdunski, C. 65, 297, 3938, 4161, 4722, 8731, 9645, 11505
Lazewnick, R. 10423.
Lazo, S.H. 2097.
Lazurenko, I.S. 3233.
Le Berre, J.Y. 11901.
Le Bigot, J.F. 11394.
Le Boterff, J. 1772.
Le Bouguenec, C. 7838.
Le Bourdelles, F.D. 4538.
Le Cras, D.V. 4328.
Le Faou, A 7593.
Le Faou, A. 920, 2246, 6244, 10261.
Le Gall, J. 6539, 8587.
Le Garrec, Y. 5227, 10208.
Le Goff, P. 3493.
Le Goffic, F. 6595, 10014, 11394.
Le Gonidec, G. 2127.
Le Loet, X. 3535.
Le Lourd, F. 10477.
Le Menn, G. 7159.
Le Minor, L. 1325, 6468, 6886, 11332.
Le Minor, S. 1325, 2535, 6882.
Le Noc, D. 6800.
Le Noc, P. 4168, 6800
Le Parc, J.M. 3496.
Le Priol, A. 2535.
Le Quintrec, Y. 2043.
Le Roux, Ph. 11768.
Le Roy, J.P. 3493.
Le Rudulier, D. 9466.
Le Van Thoi, J. 12893.
Le, C.T. 638, 654, 5256.
Lea, A.S. 7999.
Leach, R.H. 3776.
Leach, S.A. 6962.
Leadlay, P.F. 2767.
Leake, E.S. 1283, 6535.
Leake, R.D. 10630.
Leanage, R. 8065.
Leandoer, L. 1015.
Leaper, S. 1302, 4804.
Lear, H. 5484.
Leary, J.V. 1592.
Leatch, G. 4549.
Leatherman, D.L. 10080.
Leautey, J. 9848.
Leaver, J. 12724.
Leavitt, R.W. 11309.
Lebacq, E. 798.
Lebas, J. 906, 4331, 9168
Lebeau, J. 13107.
Lebeault, J.-M. 8434.
Lebedenko, E.N. 12510
Lebedeva, T.E. 1759, 13073.
Lebedinsky, A.V. 11252, 12419.
Lebek, G. 7693, 9882, 9896, 11295, 11335.
Leben, C. 9393, 9418.
Lebenka, A.Yu. 12512.
Lebionka, A.Yu. 162.
LeBlanc, B. 9937.
Leblanc, D. 48.
LeBlanc, D.J. 6759.
Leboul, J. 7719, 11317, 11435.
Lebrun, L. 9066.
Lebwohl, P. 3374.
Lecadet, M.-M. 1647, 8884, 10935.
Lecatsas, G. 4998.
Lechevalier, M.P. 8480.
Lechner, J. 5805.
Lechowich, R.V. 5964.
Leclerc, H. 3453, 9561, 12189.
Lecoanet, J. 5461.
Lecocguic, Y. 13335.
Lecocq, M. 1772.
Lecoeur, H. 11584.
Lecomte, P. 7505
Leconte, M. 13028.
Leda, S. 3894.
Ledda, A. 9549.
Lederer, E. 12055.
Lederman, M.M. 9055.
Ledesma, E. 4405.
Ledova, L.A 9423.
Leduc, M. 12342.
Lee, A.B. 860.
Lee, A.C -M. 10129.
Lee, B 8571.
Lee, B.K. 2986.
Lee, B T.O. 1609.
Lee, C.-J. 3184, 6932.
Lee, C.A. 2799.
Lee, C.C. 4035, 4891.
Lee, C.C.T. 3992, 4885.
Lee, C J 642
Lee, C.K 21, 23.
Lee, C.M. 5658.
Lee, C Y. 6477.
Lee, D.H. 10347
Lee, G. 4130.
Lee, G.M 5230
Lee, H. 5838.
Lee, J. 147, 4907.
Lee, J.H. 4797, 10347.
Lee, J.S. 6701, 8513.
Lee, J.T.,Jr. 4515.
Lee, J.V. 8349, 9493, 108
Lee, K. 3908.
Lee, L.N. 6759.
Lee, M.D. 2728.
Lee, M.J.R. 3543.
Lee, M.S. 2669.
Lee, N. 4683.
Lee, P. 3355.
Lee, P.K. 7190.
Lee, R.E. 3350.
Lee, R.F. 9405, 11486.
Lee, R.V. 12989.
Lee, S.B 4893.
Lee, S H.S. 3321.
Lee, T.H. 8837.
Lee, T.S. 2310.
Lee, W.H. 4267, 8935.
Lee, W.R. 5368.
Lee, Y 5906, 13339.
Lee, Y.K. 10347.
Leech, R. 3833.
Leeder, S. 11741.
Leedom, J.M. 4406.
Leek, D.M. 4945.
Leela, P.K. 1277.
Leemans, J. 5880.
Lees, D 12985.
Lees, H. 3877.
Lefebvre, B. 9554, 9561.
Lefebvre, N. 1649.
Lefevre, J C. 934, 1728, 505
Lefevre, M. 10901.
Lefkowitch, J.H. 11891.
Lefkowitz, L.B. 7082.
Lefler, E. 6225.
LeFrock, J.L. 5928, 10649, 11416, 11936, 13186.
Leftley, J.W. 6432, 8210.
Legakis, N.J. 9071, 9952.
Legall, J. 2732, 9740, 11103,
Legendre, P. 13499.
Legenkov, V.I. 1919.
Leger, A.S. 5313.
Leggiadro, R.J. 5292.
Leglise, M.-C. 10207.
Legnani, P. 8839.
Legoux, J.L. 9281.
Legrand, G. 12094.
Lehman, I.R. 7378, 9673.
Lehman, T.J.A. 3502.
Lehmann, G. 9177.
Lehmann, J. 6661.
Lehmann, P.F. 6943.
Lehmicke, L.G. 12155.
Lehner, T. 1860, 3254, 7951.
Lehot, J.J. 11721.
Lehrbach, P.R. 1609.
Lehrer, J. 4133.
Lehmbecher, M. 9098.
Lehtinen, H. 4980.
Lehtonen, O.-P. 11474.
Lehtovaara, P. 4799, 12645, 12
Leibovici-Dumitrescu, A. 6180
Leibovici, M. 6180, 6181.
Leibowitz, H.M. 10495.
Leidig, E. 10368.
Leifer, C.E. 6362.
Leigh, D.A. 5079, 9981.
Leighton, T. 32.
Leijh, P.C.J. 562, 11591, 1162
Leimgruber, R.M. 1534.
Lein, D.H. 9372, 10642.
Leineweber, M. 1621.
Leinikki, P. 5236, 7910.
Leinmueller, V.R. 7597.
Leino, R. 5386.
Leinonen, M. 649, 775, 3313, 1
Leirisalo, M. 7941.
Leisinger, T. 171, 2766.
Leist-Welsh, P. 11630.
Leitgeb, S. 1168.
Leith, D.K. 12340.
Leitner, M. 11073.
Leitz, K.H. 3475.
Leive, L. 3168, 13015.
Lejeune, B. 6436, 10450.
Lejeune, E. 3550, 5394, 7399.
Lejonc, J.L. 912.
Leksana, B. 10887, 13240, 133
Leksomboon, U. 5957.
Leloup, R. 588.
Leluan, G. 226.
Lemaire, F. 1976.
Lemaire, V. 3527, 3530.
LeMarchant, J.M. 4454.
LeMaster, D.M. 5733.
Lembke, C. 2359, 2533, 4556, 8264, 8656, 13373.
Lemcke, R.M. 4704, 6339.
Lemeland, J.F. 3535.
Lemelin, M. 153, 10901.
Lemeshev, Y. 7371, 13347.
Lemieux, R. 962.
Lemieux, S. 464.

e, H.D. 2674.
i, J. 7224.
ine, A. 3532.
nnier, J.-P. 1072.
s-Pastrana, A. 9585, 9586
uroux, P. 13281
erts, A. 5870
, B. 4420
eling, R.W. 7184.
, T. 6344
e, R.R. 2059
ard, E.S. 10534, 13316.
ette, E.H. 12192
, J.W. 4284
ki, K. 1945
ino, J.R. 7167
sch, R.H 1846.
sner, A.A. 1919, 7841
sner, H.P 1919, 7841
z, S.R. 4867
, I E 793
, K 11883
, W 10822
hofer, R 1036
ini, L 4285
, J. 7836
ard, A.C 6740
ard, A S 5376
ard, K 12541
ard, K.J. 12761
ard, K.R 2902
ard, W.H. 6358
ardo, M.B. 4226.
ardopoulos, J.G. 2457, 10768
ng, J. 1696, 7529.
ng, J.K 8134.
ng, S.A. 2413
nnroth, J 9602
ntein, K 217
pold, E T 11406
ekhin, A F 3912
eu, G. 6272, 9238.
herd, E.E. 11587.
ine, P 4932
o, J.E. 7555
ouce, E. 2888, 8696.
pard, P.I. 9085.
pik, R A 12431
pla, S H 7886
s, W T 6417
uesne, M 3532
ch, K. 8599
man, R.D 11281.
man, S.J. 11871
ner, C. 7166
ner, J. 2074
ner, P.I. 4468, 8035, 9174.
ner, R.A. 4335.
ner, S.A. 1501, 8799, 11710
ner, T.J. 2896, 4129
Roith, D 4846
oux, P 6980.
sage, D 10463
sbros, F. 828
sca, C. 9694.
sco, B.A 13105
sel, R 12034
singer, T. 12198
slie, G.I. 5296, 11877.
slie, P.N. 11888
smana, M. 10887, 12995
sniak, M A 4846
snitsky, A I 9075
sourd, M 4221
spinat, P.A. 3687, 8587.
sser, M.L. 872.
ssie, T.G. 5867
strovaya, N.N. 12642, 12714.
tarte, R. 2952
tellier, L. 12458.
tokhov, V.S. 275.
tolle, R. 5534.
tona, J.M. 7063
tournel, E. 3523
tt, M.-C 3110.
ttl, A. 9460, 9461, 9465, 10793.
tts, V. 12718.
euenberger, P. 11749.
euenberger, Ph. 13166.
eulliette, L. 8434.
eung, F.W. 5401.
eung, H.B. 2807.
eunissen-Bijvelt, J. 5694
eussink, A.B. 10246.
evai, J.P. 5410.
evanova, G.F. 6470, 12269.
evchak, M.E. 2540.
evenson, S.M. 1030.
eventhal, Z. 13148.
eveque, B. 4382.
eveque, C. 4503.
evett, P.N. 2581.
evi, J. 13148.
evia, C. 2108.
evieux, D. 7956
Levin, A.B 9315
Levin, B R. 3676, 4100, 9893
Levin, D.L. 10552
Levin, M.A. 3771, 6198, 7988.
Levin, M.M 7077
Levin, R.E. 11256
Levin, R.M 5950
Levin, Z. 2560
Levine, H.G 6855
Levine, J.I. 10532
Levine, J.L. 8047
Levine, L. 3258
Levine, M.M. 1401, 1849, 6308, 7654, 11788
Levine, R.A. 5815, 6528.
Levine, R.J 13160
Levine, R.P 1886, 1890, 2950
Levinsky, R.J. 596.
Levinson, E D 2089
Levinthal, M 12570
Levis, W.R 3281
Levisohn, S 10013, 10270
Levison, D.A. 2073.
Levison, M. 13197
Levison, M.E 3007, 4721, 6212, 13311.
Levison, S.P. 6212, 13197
Levitz, D. 3154.
Levy, B.M. 6917.
Levy, D 5950, 6868
Levy, E. 617.
Levy, J. 939
Levy, L. 565, 1770
Levy, M.G. 4245.
Levy, M.J. 7143.
Levy, N.J. 23
Levy, S.B. 2580, 7705
Lewin, S 2249, 3553
Lewis, A. 6546, 6547
Lewis, A.C 10402
Lewis, B A. 8158
Lewis, C.A. 9737
Lewis, D.H. 1776, 8134.
Lewis, D.J. 11746.
Lewis, E. 5874, 8489
Lewis, G.E.,Jr. 3121
Lewis, J.W 2421
Lewis, L.C. 7892, 7896, 7897, 8125
Lewis, M 4511
Lewis, M.J 7833
Lewis, M S 13015
Lewis, M W A. 10969
Lewis, P S 11781
Lewis, R.A. 163, 4855, 8500.
Lewis, R.G 12874
Lewis, R.J 5685, 9819
Lewis, R.P 6813
Lewis, R T 973
Lewis, S 9565
Lewis, S.A. 9575.
Lewiston, N.J. 3232
Lewitus, Z. 11736
Lexow, S.S. 10494
Ley, A.B. 767.
Ley, R. 1438
Leyden, J.J. 1735, 3262, 4365, 5274, 13082.
Leyden, K. 10524
Leyns, F. 8145, 8146
LeZotte, L.A. 11661
Lhuillery, C. 1123, 7290
Lhullier, M. 2535
Li W.-X 9035
Li. X. 11634
Li, A.K.C 8857
Li, A.W. 12874
Li, C.-H. 13245
Li, D.-Q. 12279
Li, D.-T. 13012.
Li, G.-O. 13384, 13417
Li, H.-M. 10857
Li, J. 7778
Li, J.X. 12277.
Li, M.-F. 12861
Li, T.-G. 13416
Li, W.-S. 448
Li, W.K.W. 9522.
Li, Y.-J. 11651
Li, Y.-P. 2274.
Li, Y.-X. 12993
Lian, C.J. 1359
Liang, P 7849.
Liao, C.-H. 157
Liao, C.H 1269
Liavag, I. 10383
Libal, M.C. 5904
Libanska, A. 6783
Libby, J. 3157.
Libby, J.M. 5155, 6866.
Libov, S.L. 11698.
Lichens, G.M. 7530
Lichtenberg, D. 967
Lichtenberger, C. 5057
Lida, S. 11255.
Lidgard, R.O. 1778.
Lidgren, L. 2203, 7161.
Lidin-Janson, G. 10514
Lidwell, O.M. 10597
Lie, T.A 4646
Lieb, S. 3362
Liebart, J.C. 11338
Lieber, I.H. 5367
Lieberman, J.M. 6320
Liebezeit, G. 5547, 9793.
Liebig, S. 11911
Liebowitz, L.D. 11382.
Liefman, C.E 1915
Liehr, J.G. 3854
Lien, B.C. 1544
Lien, E.J. 10048
Lienert, I 2693.
Liesegang, T.J. 2228
Liesmaa, H 4374.
Lietman, P.S. 4398
Life, C.A. 5835
Lifely, M.R. 5792.
Lifshitz, A. 2660
Lifshitz, S. 11808.
Ligaarden, R. 3899.
Liggoria, E. 11766
Light R.B. 1787.
Light, J. 12781, 12785.
Light, R.B. 9095.
Likhosherstov, L.M 11099.
Likos, J.J. 11192
Liljas, A. 4818
Liljemark, W. 5282.
Liljemark, W.F. 2617.
Liljeqvist, L. 11654.
Lill, R. 2744
Lilley, D.M.J. 5893
Lillis, M. 11293
Lilly, D. 7582
Lilly, H.A. 6946, 7346.
Lilly, M.D 9748.
Lilly, T. 5154
Lim, D.J. 8999
Lim, D.V. 199
Lim, V.K.E. 6245, 6246, 9280, 13214, 13215
Lim, Y.L. 1849
Limanov, V.E. 428.
Limbert, M. 9969.
Limido, G. 9131
Limmer, A.W 12464
Limouze, S.C. 6185
Limson, B.M 7083, 7113
Limsuwan, A. 11534
Lin, C. 7316
Lin, C.-Y. 2439.
Lin, F. 6592
Lin, F.-L 7523
Lin, H.P. 1995
Lin, H.S 716
Lin, K.-T 6932.
Lin, K.T 642
Lin, M. 2775
Lin, M.Y. 13004, 13394
Lin, S. 4696
Lin, W.L 12386.
Lin, Y.T. 8723.
Linberg, B 2823.
Lincan, C. 4555, 4585
Lincoln, S D 13387
Lind, A. 3902
Lind, I 9974
Lind, M.G 764.
Lindahl, L. 6576
Lindahl, M 10356.
Lindan, R. 10400, 13195
Lindberg, A.A. 1841, 2823, 5229, 7101, 8954, 9021, 10175.
Lindberg, B. 217, 5797, 8630.
Lindberg, M. 8029
Lindberg, U. 3208
Lindblow-Kull, C. 11006
Linde, K. 10963, 13010
Lindeboom, B.W. 6257
Lindemeyer, R.G 7857
Linden, V. 576, 13006
Lindena, J. 3576, 5486.
Lindenbaum, I. 7205, 13392
Lindenbaum, J. 9653, 10454
Lindenschmidt, E.-G. 10134.
Linder, J. 13070.
Linder, L 1484, 2668
Lindermann, J. 13530.
Lindgren, D.M. 2777
Lindgren, S. 2096
Lindh, F. 2823.
Lindhagen, J. 3488
Lindhe, J. 706, 12047.
Lindmark, D.G. 5673
Lindmark, R. 11125.
Lindner, A. 729.
Lindquist, B.L. 2251
Lindquist, L. 1016.
Lindquist, U. 8630
Lindsay, J.A. 87.
Lindsay, R.C. 12949
Lindsay, W.L. 8166.
Lindsey, J.R. 3158, 4587, 10271, 10541, 10689, 11729.
Lindsey, N.J. 304, 5409, 6204
Lindstedt, S. 9742.
Lindstroem, B. 834.
Lindstroem, E.B. 3739.
Lindstroem, U.B. 7274
Lindstrom, F.D. 8958.
Linek, K. 8628, 10044.
Linevich, Yu. 10016
Ling, F.W. 4176.
Ling, G.V. 1092, 13374.
Ling, J. 9856
Ling, L. 1105, 2192.
Ling, S.K. 9849
Lingens, F. 1397, 1493, 5646, 5675, 8486, 9295, 9695, 10992, 11097, 11191, 12377, 12436.
Lingrens, F 10990.
Linhardt, R.J. 8582
Link, H. 7945.
Linke, H.-J. 9769
Linkova, E.V. 12764.
Linkova, M.A. 11007, 12363.
Linley, E.A.S. 6434.
Linn, S. 5752, 7609, 9766, 9774.
Linnemann, C.C. 933
Linnemann, C.C.,Jr 10408.
Linnemann, C.C.,Jr. 10892, 11640, 12009
Linnenbach, A. 5863
Linsley, P.S. 7643
Linss, V.G. 1945.
Lint, T.F. 3206, 5225, 11611.
Lintermans, P. 3064, 4195, 11332.
Linton, A.H. 9897.
Linxweiler, W. 8510.
Linzenmeier, G. 3524, 8850, 11775.
Lion, C. 3417, 9304
Lior, H. 1801, 7912, 10654, 11632
Lipinski, A.E. 1014.
Lipkin, V.M. 4901, 4978, 7663, 12572
Lipman, T.O. 13271.
Lippert, H. 10173.
Lippi, P. 2793.
Lippincott, B.B. 4698
Lippincott, J.A. 4698
Lipschultz, F. 1232, 9431.
Lipscomb, J.D. 11103, 11182, 11189.
Lipscomb, W.N. 4059, 5791, 9736, 12630
Lipski, S. 9024.
Lipsky, B.A. 615.
Lipton, S.D. 4472.
Lirong, Z. 11892.
Lisbon, A. 13149
Lisichenko, L.N. 13382
Liska, B. 8362, 8715
Liska, S.L. 10660
Lismont, M.J. 396, 1733, 12892
Lismont, M.L. 5083
Liss, A. 4989, 5000
Liss, S.N. 241
Lister, T.A. 6190.
Listgarten, M.A. 598, 11532.
Liston, S.L. 769.
Listvinova, S.N. 7840
Litovchenko, P.P. 12898
Litsas, S.B. 7826
Litt, I.F. 11697
Littel, A.M. 8259
Little, C. 11163.
Little, J.S 2386.
Little, J.W 4842, 7683.
Little, M.L. 5832, 6748
Little, P.B. 91, 9353, 9355, 9659.
Little, R. 12544, 12546
Little, T.W.A. 602, 6353, 9336.
Littlechild, J. 2739
Littmann, K.-P. 10365.
Littner, M.M 6956
Liu, C. 3042
Liu, C.M 2983
Liu, C.T. 2240.
Liu, D. 5959, 7434, 7439
Liu, D.-W. 10896
Liu, D.-Y. 12237, 12276, 12278
Liu, E.H. 12166.
Liu, G.-M. 12993.
Liu, I.K.M. 10669
Liu, J.A.P 10762.
Liu, M. 3042
Liu, M.-C 2803.
Liu, M.C. 2732.
Liu, M.S 495, 3133, 5170.
Liu, P.Y. 9036.
Liu, S.-T. 11326
Liu, T.-C. 13090
Liu, W.-C. 291
Liu, W.C. 2967, 2975, 7736
Liu, X. 12993.
Liu, X.-X. 13183.
Liu, Z.X. 12858
Liuisi, P.L. 3942
Livermore, D.M 5114, 5123.
Livi, U. 3476.
Livingston, D.M. 6004.
Livingstone, D.C. 3721
Livneh, Z 9673.
Liye, Z. 2291.
Lizarbe, M.A 8893.
Lizarralde A., E 13169.
Lizko, N.N. 1919, 1921, 7841
Ljungdahl, I 10286.
Ljungdahl, L.G. 11106, 11151.
Ljungdahl, P.O. 8222, 9740.
Ljungh, A. 5158, 6024, 11497, 11502, 11514.
Ljungquist, E. 4116, 9861.
Llorach, I 10398
Llorach, M 10398.
Llorca, G 3550.
Llorente, P 12580.
Lloveras, J. 10398.
Lloyd-Smith, W.C. 973.
Lloyd, D.H. 5261
Lloyd, L.C. 2210
Lloyd, R.M. 3198.
Lloyd, W.J. 1732, 11463.
Lo Curto, R.B 8242
Lo, T.C.Y. 5611
Loach, P.A. 7851.
Loaiza, J. 3443
Loar, A.S. 9356.
Lobbins, P.H. 11434.
Lobel, J.S. 6185.
Lober, C.W. 10288
Lobes, L.A.,Jr. 978.
Lobreau, J.P. 10787.
LoBue, C. 12014.
Lobuseva, A N 10486
Locci, R. 9533, 9534
Loch, T. 11658.
Lochman, V. 9460, 9461, 9465.
Lochmann, O 1798.
LoCicero, J.,III 6210.
Lock, W. 10627, 11916.
Lockman, H 6448.
Lockwood, D.E. 4235.
Lockwood, W.R. 4198.
Loddenkemper, R. 11719.
Lode, H. 9100, 11718, 13278.
Lodge, J.S. 2817, 8616.
Lodha, S.K. 11735.
Lodhi, M.A.K. 6423, 9468, 13473.
Loe, K 6084
Loeb, L.A. 4800
Loebenberg, D. 2986.
Loeber, G. 1694
Loebman, W.W. 13312.
Loechner, Th. 13404
Loehr, G. 11795, 11815.
Loehr, T.M. 7569
Loenngren, J. 217, 2823.
Loennroth, I. 5168
Loennroth, J. 9566, 11709.
Loennrth, I. 6872
Loesche, P.J. 6182.
Loesche, W.J. 2543, 3778, 8083, 8084, 8408.
Loeschke, K. 5178
Loewen, P.C 9712
Loewy, B. 10132.
Lofgren, J.P. 10620.
Loflin, H.B. 10406.
Loftus, E.R. 13097
Logan, E.F. 5257, 6352.
Loginova, L.G. 210, 8454, 11453, 12417, 12460.
Loginova, N.V. 11217, 12463.
Loginova, T.A. 12569.
Lohr, J.A. 7071, 10404.
Lohrbach, W. 7176.
Loichtenberger, A. 11453.
Loiko, Z.I. 12722.
Loir, V. 5461
Loison, G. 6710.
Loitsyanskaya, M.S. 12499.
Lokhande, S.R. 6838, 6839, 10043.
Lolkema, J.S. 2591.
Lombard, G.L. 3140.
Lombardi, S. 10220
Lombardo, J.M. 12220.
Lombardo, L. 7064
Lombin, L. 47
Lombin, L.H. 8277.
Lomova, I.E. 232.
Loncarevic, A. 625
Londner, M.V. 4292
Londo, D. 4029
London, E. 7807.
London, R.E. 5735, 11193
Loneragar, W.A. 8200.
Long, M. 2404, 3672, 5504
Long, M.W. 752.
Long, S. 12663.
Long, S.R. 6762, 9833.
Long, S.S. 960

Longay, R. 241.
Longenecker, B.M. 1902, 11594.
Longin, R. 204.
Longmire, M.E. 2714.
Longo-Papadia, L. 6989.
Longoria, C.J. 1279.
Loo, T.W. 6506.
Loos, M.A. 1253.
Loosli, H. 11749.
Loosli, H.R. 7739.
Lopardo, H. 3865.
Lopatin, D.E. 5212, 10178.
Lopez-Bracho, M.A. 11047.
Lopez-Moratalla, N. 4060.
Lopez-Osuna, M. 3223.
Lopez-Rivas, A. 9678, 11090.
Lopez, A. 10236.
Lopez, D.D. 10507.
Lopez, J.M. 4741, 9647.
Lopez, M.C. 2080.
Lopez, P. 1644, 6730, 6739, 12324, 12765.
Lopez, R. 6728, 12304.
Lopitaux, R. 3535, 4462, 5390, 5410.
Lorbeer, J.W. 13450.
Lorber, R. 10602.
Lorch, I.J. 10759.
Lord, V. 4197.
Loren, A.B. 10186.
Lorentzen, M. 3400.
Lorenzetti, M.R. 9505.
Lorette, G. 4399, 10313.
Lorian, V. 1404, 5101.
Lorkiewicz, Z. 2827.
Lorriaux, A. 7009.
Lortat-Jacob, A. 7175.
Loseva, O.K. 6249.
Loseva, V.A. 7077
Losick, R. 266, 1584, 1613, 1618, 2874.
Lossick, J.G. 10409
Lossius, I. 1435.
Lott, D.F. 4650.
Lotvin, J. 7731.
Lotz, M.J. 8891.
Lotz, W. 4869.
Lou, D. 11285
Louarn, J. 5836.
Louarn, J.M. 4968, 5836.
Loudon, N. 3375.
Lough, H. 10858.
Loughney, K. 4108.
Louis, C. 11437.
Louis, D. 13331.
Louise, A. 9826.
Loulergue, J. 11538.
Lounatmaa, K. 3131, 5604, 8827.
Lounsbery, J.L. 2132.
Louria, D.B. 6253, 10344.
Loussouarn, S. 4189
Loutit, J.S. 12430, 12621.
Loutit, M. 2495.
Loutit, M.W. 6389.
Louvet, M. 686
Love, D.N. 6368
Love, J.W. 5382.
Love, M. 7261.
Love, N.D. 9570.
Love, W.C. 9126.
Lovell, M. 5117.
Lovell, M.A. 3063.
Lovell, R.T. 10218.
Lovesio, C. 11740.
Lovett, I.S. 797, 6196
Lovik, M. 6106.
Lovley, D.R. 12161.
Lovy, M.R. 4508.
Low-Goh, N.K. 6847.
Low, R. 8547.
Low, R.L. 7690.
Lowbury, E.J.L. 10550.
Lowdon, M. 5717.
Lowe, D.A. 8568.
Lowe, G. 1549, 1664.
Lowe, R.S. 5259.
Lowe, S.K. 6402, 9406.
Lowell, J.R. 6165.
Lowendorf, H.S. 3709.
Lowenstine, L.J. 8108.
Lowery, B.D. 13024.
Lowes. J.A. 6190.
Lowrie, D.B. 1782, 8966, 10180, 10224.
Lowry, B.S. 7905.
Lowry, W.E. 2272.
Lowther, W.L. 1179.
Loyau, G. 925.
Lozano, E.A. 1831.
Lozano, F.F. 6876.
Lozinov, A.B. 10867, 12203.
Lu, A-L. 2704.
Lu, C. 1436.
Lu, D.-S. 9035, 12352.
Lu, D.Y. 13288.
Lu, P. 4097, 11293.
Lu, Q. 11634.
Lu, Y.-S. 6127.
Lu, Y.S. 8119.
Lu, Z.-W. 13411.
Lubbehusen, P.P. 7759.
Lubianskiene, V. 9329.
Lubin, M. 9206.
Lubochinsky, B. 1574, 8699.
Luby, J.P. 5053
Lucarelli, A.M. 15.
Lucas, I.A.N. 10761.
Lucas, J.A. 3714.
Lucas, J.P. 1274.
Lucas, M. 3582.
Lucas, M.I. 127, 12156.
Lucatello, S. 9213.
Lucchini, G. 158.
Luce, W.D. 5343.
Lucea, C. 3149
Luckey, M. 8527.
Ludden, P.W. 1526, 4927, 11105.
Luddy, R.E. 9257.
Luder, A. 9860.
Luders, H. 4330
Ludvik, J. 9855
Ludwig, B. 4023, 4063, 11143.
Ludwig, H.J. 12045.
Ludwig, M.L. 4067.
Ludwig, R.A. 9834.
Ludwig, W. 2564.
Lue-Hing, C. 8237.
Lue, Y.A. 7216.
Luechtefeld, N.W. 2512, 3109, 6206, 8114.
Luederitz, O. 10158, 11236.
Luehrsen, K.R. 2720.
Luelmo, F. 9043.
Luetgens, M. 12454.
Luethgen, W. 2362, 7806.
Luethy, P. 8872.
Luethy, R. 11980, 11986.
Luger, A. 2141, 3160, 3197.
Luger, V.A. 2159.
Lugg, M. 134.
Luginbuehl, A. 9326.
Luginbuhl, G.H. 1106.
Lugowski, C. 5252, 6048.
Lugtenberg, B. 1468, 2737, 7650, 7658, 12806.
Lui, L. 8689
Lui, P. 4816.
Luk, K.-C. 11294.
Lukach, I.G. 12881.
Lukacs, K. 466.
Lukaczynski, E. 10583.
Lukas, W. 11919.
Lukash, M.M. 13382.
Lukashev, E.P. 12297.
Luke, R.K.J. 9786.
Lukehart, S.A. 3198, 11554.
Lukehart, S.A.A. 10182.
Lukert, P.D. 7276.
Lukezic, F.L. 7297, 12104.
Lule, J. 7944.
Lulenga, R.C. 10434.
Lumb, W.V. 1028, 1039.
Lumicao, G.G. 2190.
Lumsden, J.H. 5216, 5226.
Luna, M.A. 5415.
Lund, B.M. 1323, 3657.
Lund, E. 4108.
Lund, K.D. 4233.
Lundberg, C. 9566, 9602, 11709.
Lundberg, D.I. 587
Lundbergh, P. 1016, 2122.
Lundbergh, P.R. 8021.
Lundell, D.J. 5778.
Lundgren, O. 487.
Lundgren, R. 4389.
Lundholm, I.M. 9496.
Lundy, L.E. 9291.
Lunec, J. 1368.
Luo, H.-B. 11651.
Luo, H.-S. 12998.
Luoma, H. 13102.
Luotonen, J. 775, 3313, 7971.
Lupidi, G. 9274.
Luppi, A. 4410
Lupski, J.R. 11051.
Lupton, F.S. 4615.
Lupu, A. 4423.
Luria, S.E. 5897
Lusco, G. 7133, 10345.
Lusian, F. 4287, 4351.
Lusky, M. 7695, 9841.
Luster, W. 11144.
Lustermann, S. 10646.
Lustig, S. 3458.
Lute, M. 6733.
Lutfu Cakmakci, M. 3700.
Luther, R. 4465.
Luthy, P. 8885.
Lutley C. 986.
Lutsevich, E.V. 7193.
Lutsky, I. 565.
Lutz, A. 5058, 5915.
Lutz, B. 9146.
Lutz, H. 8975.
Luu, B. 9804.
Luxen, E. 7669.
Luzarraga, M. 8117.
Luzi, S. 9996.
Luzzati, R. 1977
Luzzi, I. 9513.
Lvova, N.A. 7651, 11363.
Lyall, J. 5136.
Lyannaya, A.M. 1921.
Lycke, E. 852.
Lydyard, P.M. 1872, 4315.
Lye, D.J. 3752.
Lyerly, D. 1091, 7543.
Lyes, M.C. 1229.
Lygidakis, N.J. 9290.
Lynch, D.L. 11472.
Lynch, J. 11467.
Lynch, J.M. 1020, 1145, 2195, 3684, 3727, 4629, 6421, 9472, 12118, 13462, 13476.
Lynch, P.J. 11856.
Lynch, V. 4492.
Lynn, M. 965.
Lynt, R.K. 2652, 5154.
Lyon, C. 13048.
Lyon, R.H. 16.
Lyons, A.J. 9576.
Lyons, I.R. 8895.
Lyons, R.W. 744.
Lyrene, P.M. 6399.
Lysak, L.V. 12445.
Lysakowska, E. 8917, 8918.
Lysenko, L.A. 13488.
Lysenko, O. 9381.
Lysenko, S.V. 12282, 12299.
Lysko, P.G. 8378.
Lysochenko, V.A. 13307.
Lystad, A. 5421.
Lyttleton, P. 5538.
Lytton, B. 3538.
Lyznicki, J.M. 2504.

M'Belepe, R. 9305, 10472.
M'Boup, S. 2110.
Ma, H.-Z. 13050.
Ma, K. 5146.
Ma, L. 11634.
Ma, Q.S. 12851.
Ma, R. 5841.
Maadarani, A. 9299.
Maardh, P.-A. 11801.
Maas, H.M.E. 6886.
Maas, R. 9899.
Maas, W.K. 6714, 9899.
Maasing, R. 1016.
Maass, G. 1521, 11087.
Maassen, J.A. 7515, 7516.
Maayan, S. 2309.
Mabuchi, K. 6721, 6722, 11054.
Macario, A.J.L. 5204, 6028, 6042.
MacArthur, H.A.I. 2821.
Macasaet, R. 7083.
Macaskie, L.E. 9665.
Macaulay, M.B. 9260.
Macaulay, M.E. 8796.
Macbeth, W.A.A.G. 9210.
Maccari, M. 805
MacCarthy, A.J. 12251.
Macchia, P. 11733.
Macchia, V. 256.
MacConnell, J.G. 6006
MacCormack, J.N. 2244.
Maccubbin, A.E. 2481, 6530.
MacCulloch, D. 356.
MacDonald, C.R. 3928.
Macdonald, I.A. 12611.
MacDonald, J.W. 7268.
MacDonald, N. 669.
MacDonald, R.E. 11026.
MacDonald, R.J. 11753.
Macdonald, R.M. 7313, 8172.
MacDonald, T.T. 5237, 11588.
MacDonell, M.T. 8243.
MacDowall, F.D.H. 12130.
Mace, H.A.F. 9680.
Mace, M.L. 600.
Maceri, D. 2260.
MacFarlane, D.E. 2509.
Macfarlane, J.D. 7095.
MacFarlane, J.T. 3334.
MacFarlane, T.W. 9922.
MacGregor, C.H. 2798.
Mach, F. 10957.
Machado, J.O. 12120.
Machecourt, J. 7891.
Macher, A.M. 13266.
Machida, H. 11198.
Machida, M. 9796.
Machida, Y. 4011, 7578.
Machin, D. 3234.
Machka, K. 6777, 9938.
Machuga, E.J. 5771.
MacIntyre, D.S. 3474.
MacIntyre, S. 4233, 9741.
MacKay, P. 9857.
MacKay, R.J. 7264.
MacKay, R.M. 5725, 8499.
Mackel, D.C. 9567, 9577.
MacKenzie, A.M.R. 2507.
MacKenzie, G. 10699.
MacKenzie, L.W. 7419.
MacKenzie, P.K.I. 3599.
Mackenzie, R. 92, 2091.
Mackesy, D. 9025.
Mackett, D. 13201.
Mackett, M.C.T. 12027.
Mackey, C.J. 12756.
Mackie, D.P. 3591, 7265.
Mackie, E.B. 1902, 11594.
Mackie, F. 13481.
Mackie, G.A. 11323.
Mackie, R. 4760.
Mackler, B.F. 6917.
Mackowiak, P.A. 992, 5053.
MacLaren, D.M. 470, 3151, 7699, 11557, 11819.
Maclarnon, J.C. 3439.
MacLean, D.W. 802.
Maclean, I.W. 333, 7697.
MacLeod, R.A. 12334.
MacLowry, J.D. 4672.
MacMurdoch, J. 7013.
Macnab, R.M. 71, 2650, 5617.
MacNeil, D. 9831.
Macone, A.B. 949.
Macowan, K.J. 6363, 13046.
MacPhee, D.G. 4118.
MacPherson, B. 6115.
Macrae, A.D. 3334.
MacRae, I.C. 7336.
Macsai, M.S. 76, 81.
MacVittie, T.J. 4279.
MacWilliams, P.S. 7233.
Madan, V.K. 1139.
Madarang, M.G. 694.
Madasamy, M. 2278.
Maddalena, L. 10465.
Madden, J.M. 465, 2574.
Madden, J.W. 5369.
Maddison, J.E. 6368.
Maddox, I.S. 7455, 9616, 11010.
Maddox, P.A. 6104.
Maddux, R. 2387.
Mader, J.T. 685.
Maderazo, E.G. 10491.
Maderis, A.M. 5602.
Madhubala, K.P. 268.
Madl, J.E. 16.
Madoff, S. 4483, 9145, 11437.
Madonna, M.J. 5818.
Madsen, P.O. 3401, 9605, 10411.
Maeda, A. 4787.
Maeda, K. 7802.
Maeda, M. 10618.
Maeda, S. 4695, 12323.
Maehara, K. 4175.
Maejima, K. 3799, 8952.
Maekawa, N. 5906, 13339.
Maekawa, Y. 12591.
Maekela, P.H. 3255.
Maekelae, P.H. 775, 3313, 10233.
Maeki, M. 6881.
Maekinen, K.K. 4374, 8566.
Maekinen, P.-L. 8566.
Maeland, J.A. 6045, 8878, 11789.
Maentsaelae, P. 4980.
Maentyjaervi, R. 11458.
Maerdh, P.-A. 9573.
Maesen, F.P.V. 13119, 13125.
Maestracci, P. 13258.
Maetani, S. 5423, 5428.
Maezawa, S. 11922.
Maffei, H.V.L. 10359.
Maffeo, A. 12011.
Maftoun, M. 7329.
Magalhaes, M. 820.
Magaribuchi, T. 5202.
Magasanik, B. 12629.
Magazin, M. 9857.
Magbuhos, C. 7113.
Magdorf, K. 11912.
Magerlein, B.J. 7801, 7813.
Maggio, A.J.,Jr. 4423.
Maggiora, L. 4938.
Maggiore, G. 2322.
Magill, L.S. 4525.
Magliulo, E. 5163, 11831.
Magloire, H. 3841.
Magnani, G. 10595.
Magnarelli, L.A. 1004, 2204.
Magnes, R.M. 1631.
Magnussen, C.R. 7792.
Magnussen, M.H. 10321.
Magnusson, B.C. 11680.
Magnusson, K.-E. 11564.
Magnusson, M. 5584, 9569.
Mago, M.L. 12931.
Magomedov, A.A. 7925.
Magonigle, R.A. 13387.
Magot, M. 1546, 12627.
Maguire, G.C. 964.
Maguire, G.P. 13332.
Mah, R.A. 9504, 9813.
Mahadevan, A. 13503.
Mahadevan, S. 6489.
Mahajan, K.K. 7901.
Mahajan, S.K. 7901.
Mahajan, V.M. 6483.
Mahalanabis, D. 826.
Mahanta, J. 403.
Mahapatra, R.N. 1216.
Maher, A. 10318.
Mahere, D.P. 12128.
Maheswaran, S.K. 559, 107
5214, 8993.
Mahgoub, E. 2025.
Mahgoub, E.S. 2785.
Mahindra, S. 1978.
Mahler, R.L. 1225, 3731.
Mahlke, R. 4408, 13175.
Mahmoud, A.F. 3225.
Mahmoud, S.A.Z. 13468, 13
Mahmoud, Z.F. 450.
Mahon, J.D. 8169.
Mahoney, J.R. 4515.
Mahoney, W.C. 7535.
Mahony, D.E. 12874.
Mahoudeau, G. 8434.
Mai, W.F. 12103.
Maida, E. 2107.
Maidanyuk, V.F. 12899.
Maidment, J.T. 2348.
Maier, K. 239, 11764.
Maier, R.V. 4272.
Maiese, W.M. 1742.
Maimets, T. 5711, 12525.
Mainardi, G.C. 6785.
Mainland, C.M. 5500.
Mainprize, J. 8426.
Mair, N.S. 8954.
Mairata, S. 7074.
Maisonneuve, H. 6080, 8997
Maiti, M. 1301.
Maiya, P.P. 9170.
Majak, W. 9641.
Majaro, O.M. 9341.
Majeed, S.K. 2349.
Majeski, J.A. 10547.
Majeti, V.A. 3688.
Major, P. 5149.
Majori, L. 5434.
Majtan, V. 8262, 8840.
Majumdar, M.K. 12923.
Majumder, S. 11046.
Makanga-Boutoto, H. 4409.
Makarova, L.M. 12434.
Makarovskaya, L.N. 9957.
Makela, P.H. 649.
Makela, T.M. 3322.
Makhotkina, T.A. 232.
Maki, D.G. 11867, 11870, 11
11927.
Maki, M. 1693.
Maki, T. 2306.
Maki, Y. 7168, 8037.
Maki, Z. 4007.
Makin, T. 3753.
Makinde, A.A. 1906.
Makinen, K.K. 4934.
Makino, K. 8592.
Makino, S. 3112.
Makkar, H.P.S. 196.
Makkar, N.S. 9481.
Makler, A. 6225.
Makler, M.T. 8278.
Makrides, H.C. 9922.
Makris, G.P. 11695.
Maksimova, T.S. 8750.
Malajczuk, N. 1155, 3678.
Malakeeva, N.M. 13382.
Malakha, I.N. 13489.
Malakhova, P.T. 8165.
Malam, J. 7375.
Malampy, P.J. 1582.
Malamud, D. 8399.
Malamy, M.H. 4120.
Malan, C..H. 8019.
Malangoni, M.A. 12981.
Malaty, R. 13048.
Malatyan, M.N. 13518.
Malave, I. 10232.
Malaviya, A.N. 9029.
Malchow, H. 9228.
Malcolm, L. 8734.
Malcovati, M. 2919.
Maldov, D.G. 429.
Malenko, A.F. 4380.
Malergue, J.-J. 13378.
Males, B.M. 12916.
Malesani, G. 11454.
Maleville, J. 7080.

tan, V A 10602
ado, J A 9133
i, S S 10800
otra, K C 7901
otra, K K 5413, 8034
otra, S 2087
otra, V 13088
henko, S M 12668
k, B B 1324
k, A K 3359
k, G.B. 1978, 2088, 8980
k, G K 8016
k, H S 5508
k, K A 5656
k, N 7656
k, S K 1946
k, U. 6679, 9803
nin, T. 5570.
noff, H. 13223.
vanova, O.M 9026
amaeki, M 10233
e, H. 1685
in, R. 4773, 4781, 7484
onen, P 6534
tov, Yu.A. 12493
cova, I.V. 8054
ah, I. 570.
et-Guy, Y. 828
ick, B.B. 2352, 9317
akarjunaiah R R 13457
anson, E T 6122, 6341
anson, H 10387
inson, P J 7228
linson, W W 2073
lison, G F 742, 10540, 10581
lison, H 6452
lory, L M 13513
loy, P. 7551.
mborg, A.-S. 11654, 11708
mborg, A.S. 2121, 10282, 10286
mqvist, M. 12652.
mqvist, T. 5767, 12652, 12973.
mvall, B.-E. 1992
o, N 2242
one, J M 10622
one, M 11777
oney, J D 4480
oney, P.C. 12287
lottke, R. 13296
loy, S.E 10705
loy, S.R 1617, 6719
lpas, J.S. 6190
lpass, C P 2237
lstrom, C 501
lterud, K E 5972
ltsev, S D 10160
ltseva, O V 11001
ltz, M 6160
lygin, E.G. 5739, 5740
lyi, V.P 13303
mot, K. 644
nabe, T. 6588
nca de Nadra, M.C 1512
nca, F. 11112.
ncall, E.L. 13216
nch, J.N. 1611, 11266
nchee, R J. 9476, 10169
ncinelli, R.L. 3696, 6518
ncini, P.A. 10351
nclark, C R 613, 3246, 9733
andal, A 3069
andal, B K 2000, 2086 7010
andato, E 256
andecki, W 4105, 6707
andel, E M 13129
andel, I D 726
andel, J.S. 10120
andel, M. 12275
andelbaum, S.H. 13334
andell, G.L. 3059, 8815, 11368
andell, R.L 6155
andelli, V. 9242.
andelstam, J. 1394, 1476, 1594, 12306, 12808, 12955
andi, Y. 5971
andouvalos, H. 1777
andowara, S.L 9027
landrovskaya, N.M. 13489
lanente, A. 911
lanenti, A. 2047
lanenti, F. 944.
lanes, S.H. 5701.
lanessis, C. 12032
lanev, C.H. 7385
langan, D.F. 5212.
langan, J.L. 1540
langerich, W.E. 69.
langiarotti, P. 12882.
langili, F. 4348
languiat, I.J. 10765
langum, M. 4022
anibhushanrao, K. 12557
anicardi, G. 12855
anicom, B.Q. 10748
anicourt, D.H. 569
Maniloff, J. 4991, 12768
Manjula, B.N 1470, 4844
Manjunath, A. 9453
Mankiewicz, E. 5830
Mankin, A.S. 6584
Manley, P 8565
Mann, J.H 6243
Mann, J.M. 743, 5285, 6173, 7025, 8015, 8073
Mann, K.H 12036
Mann, L.,Jr 13070
Mann, P.C 7913
Mann, P G. 9151
Mann, S.O 1125, 6380
Mann, W 4400
Manninen, K I 4090, 11972, 12079
Manning, C B 5954
Manning, J.M 8608
Manoil, C. 12556
Manolescu, N. 4121
Manonmani, L.M 9377
Manos, J.P 4657
Manotas, C. 2065
Manotas, R 3443
Manova, A.C 98.
Mans, A. 63
Mansell, R 2526
Mansfield, J.W 5133, 5502
Mansheim, B J 67, 3420
Manske, C.L 4144
Manson, J I 3414
Manson, M.D 8431
Manson, P G.C. 9109
Mansour, N.S 7289
Mansson-Rahemtulla, B 722
Mante, S. 12354
Mantoku, A. 2780, 2795
Mantz, J -M 2117
Mantz, J-M 2246
Manuel, C. 2114, 9168
Many, W.J. 5053
Manykin, A.A. 12339
Manz, D. 7231
Manzanal, M.B. 1403
Manzella, J P. 2206
Manzini, E 6318
Manzon, L.M 4448, 10390
Manzoni, G.A 10629
Manzur, J 6940
Mapelli, G. 911
Maples, M.D 3478
Maples, V.F 12750
Mar, D 11841
Mar, T 3880
Mara, D D 1264.
Mara, M. 9365
Marahiel, M.A. 12672
Marambio, E. 5200, 11475, 11516
Maramorosch, K 3600, 8150
Marandian, M H 13210
Maranon Cabello, A. 9253
Maranska, D.F 11210
Marata, A M 10355
Marauska, D.F. 12467
Marazzi, M.G. 11886
Marble, D W 628
Marca, A S. 7974
Marcen, J J 2128
Marchal, C 8696
Marchal, J. 317
Marchand, A 6408, 12116
Marchand, J.P. 2193
Marchandise, X 859
Marchenko, L.O 5346
Marchetto, G 6990
Marchisio, P. 7179
Marchlewicz, B.A 5996
Marcinkeviciene, L. 6619
Marco, A 7100
Marco, B 7100
Marco, G.M 13439
Marcoli, R 11255
Marconi, M 532, 2322
Marconi, P. 5356
Marconi, P.F 4306
Marcos, A.R 10773
Marcucci, F 8886
Marcuccio, L. 6989
Marcus, H 9583
Marcus, M. 9531
Marcus, M.D 3839
Marcus, R.H 6243
Marcy, S.M 3246
Marczak, I. 4015, 8416.
Mardh, P.-A. 923, 3403, 4450, 4663, 6017, 9189, 9609, 9618, 13234
Mardh, P.A 2092
Marek, M.S. 13399
Marescaux, J. 10621
Maresz-Babczyszyn, J. 9052, 9062, 9065
Marfey, P. 5841
Margaris, N.S. 13465
Margarita, D. 12783
Marget, W. 7129, 7131
Margni, R.A 4323
Margolicci, M.A. 1666
Margolin, A.I 4045.
Margulis, L. 3740.
Mariani Bittencourt, L.C. 6240.
Marians, K.J. 2904.
Mariel, C 366, 5914.
Marien, B 973.
Marien, G. 3157.
Marier, R.L. 9221, 10402.
Marin, M. 272, 6571.
Marin, V. 11454.
Marinez Castelao, A. 10413.
Marino, C. 12011.
Marino, O.A 2075.
Marinovic, I. 13208.
Marinus, M.G. 8703
Marion, M. 7957.
Marion, T.N. 11543.
Mariotti, A. 5534.
Marison, I.W 12429.
Maritz, F.J 788.
Mark, D.B 10443.
Mark, K.-K. 11294.
Mark, K.K. 312, 9724.
Markelova, A.M. 11428.
Markelova, S.L. 11415.
Markham, A.F 1456.
Markham, K R. 1146.
Markham, P.G. 12089.
Markham, R.B 10226, 11575, 11629
Markiewicz, Z 1509, 4878, 7420.
Marklein, G. 3516, 9941.
Markley, J.L. 11158.
Marklund, G. 11709.
Marko, M.A. 7687
Markov, G.G 8572.
Markov, K.I 6853.
Markowitz, M. 10589.
Markowitz, N. 8808.
Marks, D. 6768.
Marks, M.I. 342, 2216, 3358, 7045, 7799, 8765, 8986, 10424, 12904.
Marly, J. 3253, 6147, 11538.
Marmet, D. 11752.
Marmouset, M.-C. 11437
Maroquin, C. 12094
Marples, R.R 7386
Marquardt, O. 9829
Marquer, Y. 3520.
Marques, A.M. 459, 12115
Marquet, A 8482, 9752
Marquez, J. 7731
Marquez, J.A. 2986
Marquis, D.M 4826
Marr, J.S 2249, 3407
Marrakechi, N. 209
Marranzano, M 1500
Marre, R 10343
Marrero, H 9668
Marrie, T.J. 627, 3114, 3321, 6133, 9928
Marriott, I.D. 1411
Marrs, B.L. 5684
Marsac, N T 1605
Marsal, L 4520
Marsden, A.K 1038
Marseglia, G 2322
Marsh, E.J 12007
Marsh, P.D. 2345, 5812
Marshak, A.M 10486
Marshak, G 787
Marshall, B 7705
Marshall, C 6345
Marshall, J B 3528
Marshall, J.H. 148, 149
Marshall, K C 4615, 8186, 9591, 12359
Marshall, K.E 6465
Marshall, M S 6031, 6123
Marshall, R 3769
Marshall, R B 5472
Marshall, R.T. 4879
Marshall, V.M. 8648
Marshall, V.M.E 1779
Marshall, W C 6930
Marshman, N.A 8186
Marsik, F.J. 3787, 10538
Marsili, L 3035, 7805
Marsolais, G. 1096
Marstiller, J.K. 4879
Martel, A. 10014.
Martel, J.L 11445, 12049
Martens, H 3558
Martens, R 106.
Martens, R J 10675
Marth, E.H 2422
Marthaler, T.M 3300
Marti, W.K. 10498
Marticorena, C. 7859
Martin-Bouyer, G. 7195
Martin-Boyer, G. 13243
Martin-Luengo, F. 8778.
Martin-Moutot, N. 11498
Martin-Noel, P. 7891
Martin-Sanchez, A.M. 9927
Martin, A. 5227.
Martin, A.E. 4716
Martin, A.M. 9273
Martin, C. 7061, 9420, 10737
Martin, D.G. 2990.
Martin, D.H. 6100
Martin, D.R 11882.
Martin, D.W.,Jr. 4395
Martin, E. 9968, 11881
Martin, F.A. 8143.
Martin, H.H. 5940, 11226
Martin, J.H. 9658
Martin, J.M 926
Martin, J.P. 2221
Martin, J.P.,Jr. 6323
Martin, J.R. 7742, 7815, 11365.
Martin, L.D. 3050.
Martin, M. 5768, 10430
Martin, M N. 2751
Martin, N.J 8172.
Martin, P.A.W 285, 4689
Martin, P.M.V. 12954
Martin, R. 6474
Martin, R.J. 7285
Martin, R.M. 5053.
Martin, R.R. 600, 3062, 3311, 7001, 10284
Martin, R.S. 3321
Martin, S.E. 5129
Martin, S.M. 3859, 10509
Martin, S.W. 3077.
Martin, T. 4029, 5209.
Martin, W.G. 6755.
Martin, W.J. 2538, 3011, 5077, 6998, 10911
Martineau-Doize, B. 12081
Martineau, B 855, 11765.
Martineau, G. 4582, 12081
Martinell, J. 10514.
Martinelli, E. 2965
Martinelli, R. 7152, 11805.
Martinez Garcia, J.P. 5963.
Martinez Germes, P. 5963.
Martinez Martinez, A.J. 1001
Martinez Moreno, J.L. 8888
Martinez Vea, A. 13304
Martinez Veiga, J.L. 3149, 3150.
Martinez-Drets, G. 12412, 12439
Martinez-Molina, E. 10777.
Martinez, A.M. 10664
Martinez, J. 6070, 6233.
Martinez, J.L. 13419
Martinez, L.A. 1019.
Martinez, N.C. 9140
Martinez, O. V. 5570.
Martinez, R 880
Martinez, R.G 2080
Martinez, R.J 1780, 1789, 1792.
Martini, G. 4211
Martini, G.A 9237
Martinkova, N.S. 7539.
Martinov, S.P 3643.
Martins, A.D 3388
Martinsen, L. 2360
Martiny, H. 10480, 10822
Martiny, K 10481
Martio, J. 819, 824
Martirosov, S.M. 6502, 6505.
Marton, D. 2197
Martone, W 10535
Martone, W.J 3337, 10532
Martosudarmo, D 13240
Martra, A 6141, 11653
Martre, P 10477
Marty, B. 1473
Marty, D.G. 2573
Martz, R.F 4650
Marui, T. 3023
Marumo, H 2961
Marutani, K 6471
Maruyama, H B 7811, 8774, 12901
Maruyama, J 5417
Maruyama, S. 2318, 6381
Maruyama, T. 8284
Maruyama, Y. 6533
Marvin, D A 2629, 2902, 2903
Marwaha, T.S 13485
Marwick, C.S. 7137.
Marwood, R 7208
Marx, H.H. 11724
Marx, J.J.M 8987
Marx, J.J.Jr. 6039
Marx, R.S 6276
Marymont, J.V 12885
Mas, J.P. 5491
Masai, H. 425
Masaki, S.-I 8091.
Masaki, T. 3970, 3980
Masamoto, K. 3814.
Masamune, S 9768
Masamune, Y 2863
Mascaro, J.M 4363.
Mascellino, M.T. 30, 1318, 1729.
Mase, S 4207
Masek, F. 4191, 4801
Maseres, C. 3247
Mashiko, J. 2248, 2320.
Mashilova, G.M. 10162, 10163.
Mashimo, K. 10616
Mashimo, P.A. 7312.
Mashkov, O.A 1821
Masiga, W.N. 651, 7280
Maskell, J.P. 1712.
Maskell, R. 8008
Masker, W. 1438.
Masker, W.E. 271.
Maskill, M R. 10342
Maslow, M. 8047
Mason, A.D ,Jr 7965.
Mason, A.D.,Jr. 10528.
Mason, E.O.,Jr 3008, 5109, 9309, 10322
Mason, J.M. 9016.
Mason, M. 12009
Mason, R.W. 4581, 6371, 10255, 12067
Mason, T.G. 3264.
Mason, T.L. 10155.
Masramon, J. 10398.
Massaguer, R. 10361.
Masse, R. 12382.
Massenti, M.F. 1522
Massias, P. 3523.
Massicotte, L. 464
Massiczek, N. 7392
Massie, B. 11765
Massieu, F.J.A 7974.
Masson, M. 10014.
Massot, B. 7074
Massoud, N 3395
Masters, P.J. 5927.
Masters, P.S 244
Masterson, J. 4492
Mastio, G.J. 4490.
Mastrangelo, M.J. 4296.
Mastrantonio, P. 9513.
Mastroeni, I. 4307, 5205
Masuda, A. 7954
Masuda, G. 353.
Masuda, K. 1364, 5627.
Masuda, N. 516, 3863, 6522, 6531, 9660
Masuda, S. 6607, 12914.
Masugi, T. 2956, 3020
Masui, M. 6360, 12432.
Masuma, R. 4164
Masurat, T. 3260.
Masure, O. 10450.
Masutani, T. 10325.
Masuyoshi, S. 5756, 5916, 9967
Masyukova, S.A. 5347
Mata-Gilsinger, M. 6691
Mata, L. 11780.
Matej, M.M 9006
Mateju, J. 7619
Mateo, D 10430
Mateos, A P. 6081
Materon, L.A. 13472
Mates, A. 9025
Mateva, M 7385.
Mathai, K.V 4440.
Mathen, K 3674
Matheny, T.A. 9470
Mather, M. 3983, 11146.
Matherly, L.H. 7584, 7585.
Mathers, J.C 3559, 10641.
Matheson, I.B.C. 147
Mathew, P P. 5320
Mathews, C.K. 11048.
Mathews, J.A 2325
Mathews, M. 700.
Mathewson, J.J. 9316.
Mathiasen, C. 6219
Mathiesen, L. 3427
Mathiesen, M. 11607
Mathieson, T. 4613
Mathieu, D. 3402, 4302, 7051, 7201
Mathieu, H 6139, 6296.
Mathieu, J. 6236.
Mathieu, L.G. 5988
Mathieu, O.R 647
Mathiot, C 7220
Mathisen, G.E. 8052
Mathur, H C. 13071.
Mathur, I.S. 3615.
Mathur, S.N. 1195, 2476
Mathur, S.P 1220
Matias-Guiu, J 10353
Matillon, Y. 2221
Matin, A. 6511, 9610, 12939
Matin, M. 6511
Matin, M.K. 9610.
Matlow, A 746.
Matney, T.S. 2870.
Matondkar, S.G.P 8205
Matre, R 604
Matsakas, V. 5075

Matsaniotis, N. 2178
Matsch, H.H. 8380.
Matsen, J.M. 1307, 3797, 4664, 4693, 6807, 9956.
Matson, R.S. 6656
Matspalu, E. 11070.
Matsubara, H. 2736, 3927, 3936, 3944, 5899, 5930
Matsubara, K. 1682, 2892
Matsubara, N. 1514, 9964
Matsubara, T. 6538.
Matsuda, F. 6047, 10074.
Matsuda, H. 12708.
Matsuda, M. 4718, 10087.
Matsuda, N. 6163.
Matsuda, S. 2046, 2317.
Matsuda, T. 762, 4572.
Matsue, I. 5278.
Matsue, M. 195.
Matsueda, Y. 996, 2248, 2320.
Matsuhashi, M. 246, 7625, 8585.
Matsui, K. 2638, 2738, 2758.
Matsui, S. 4213.
Matsui, Y. 3804.
Matsuki, H. 301.
Matsumiya, S. 2227.
Matsumoto-Yoshino, M. 451.
Matsumoto, E. 3955, 8581.
Matsumoto, F. 6822.
Matsumoto, G. 7236.
Matsumoto, H. 2867, 10643, 12830.
Matsumoto, K. 310, 1762, 1994, 2784, 5746, 5949, 7735, 7750, 11370.
Matsumoto, M. 512.
Matsumoto, T. 7931, 10726, 13390.
Matsumoto, W. 7449.
Matsumoto, Y. 2103.
Matsunaga, T. 4088, 4092.
Matsunaka, M. 4930.
Matsunawa, K. 4718.
Matsuo, H. 4016
Matsuo, T. 12708.
Matsuo, Y. 472, 3097, 6068.
Matsuoka, H. 6623, 7400.
Matsuoka, S. 11922.
Matsuoka, Y. 10325.
Matsushima, P. 11340, 12798.
Matsushita, K. 3988, 4001, 4725, 5744.
Matsushita, S. 9543.
Matsutani, I. 8234.
Matsuura, I. 11362.
Matsuura, K. 3814.
Matsuura, M. 6013.
Matsuura, S. 2623, 3033, 7796.
Matsuura, Y. 3868, 7482, 11455, 12589
Matsuyama, T. 7466.
Matsuzawa, K. 1266.
Matsuzawa, Y. 2957, 2963, 2977, 4146.
Matta, A. 4602
Mattel, S. 1997.
Matter, L. 11903
Matter, M.M. 9382.
Mattes, A. 3477.
Matthes, S. 6325.
Mattheus, A. 1926.
Matthews, B.W. 5736, 9713.
Matthews, E.A. 7512, 11068.
Matthews, K.S. 9702.
Matthews, S.J. 3440.
Matthews, T.R. 6118, 6251.
Matthews, W.J.,Jr. 949.
Matthiessen, W. 10320.
Matthijsen, A.J.C.M. 8444.
Matthys, H. 11723.
Matthysse, A.G. 6512.
Mattice, W.L. 8870.
Mattie, H. 5062, 12890.
Mattina, R. 316.
Mattingly, P.C. 2231.
Mattingly, S.J. 3182.
Mattox, D.E. 11913.
Mattox, J.H. 7365.
Mattox, K.L. 4460.
Mattsby-Baltzer, I. 3208, 4293, 5260.
Mattson, K. 801.
Matuchansky, C. 13323.
Matulewicz, S. 2018.
Matulova, M. 8847.
Matute D.C. 3348
Matute, C. 3349.
Matveeva, A.V. 11728.
Matveyeva, N.I. 12714.
Matwiyoff, N.A. 5735.
Matyshevskaya, M.S. 12722.
Matz, B. 3776, 8702.
Matz, G.J. 11710.
Matzeu, M. 10351.
Matzkowitz, A.J. 8762.
Maubrey, R. 13523.
Mauch, H. 8909
Mauco, G. 11480.
Maudgal, D.P. 7984.
Maudinas, B. 2429, 10767.
Mauer, M. 3991.
Mauff A.C. 11377.
Maugeri, T.L. 8242.
Mauldin, J.K. 5492.
Maupin, G.O. 6173.
Mauracher, E. 11823.
Maureira, L.M. 5293
Maurel, D. 13446.
Maurizi, M.R. 9738.
Maurizot, J.-C. 8663.
Mauro, M. 10352.
Mauss, H. 10204, 11595.
Mavinkurve, S. 12420.
Mavra, M. 7945.
Mavromara, P. 7401.
Mavrommati, C. 4666.
Mavrommati, Ch. 9502.
Mavrov, I.I. 2055.
Maxcy, R.B. 5146.
Maxie, M.G. 10123, 10216, 10236, 13034.
Maximov, V.N. 11216.
Maximova, L.M. 12217.
Maxted, W.R. 11279.
Maxwell, A. 11139.
May, A.G. 969.
May, B. 3494.
May, R.M. 9045.
Mayama, M. 3033, 5040, 7749, 7796.
Mayaud, C. 10174, 13138.
Mayaux, J.-F. 1442, 1531.
Mayberry, W.R. 229, 6678, 7384.
Maycock, A.L. 12579.
Mayden, J. 2950.
Mayer, B. 13331.
Mayer, F. 9771, 9772, 11151.
Mayer, H. 527, 5796, 11228.
Mayer, L. 2023.
Mayer, L.W. 8394.
Mayers, D.L. 3337.
Mayes, R.W. 13035.
Mayfield, C.I. 2430, 4634, 10870.
Mayhall, C.G. 10717.
Mayhew, R.R. 4755.
Mayo, J.B. 5909.
Mayo, J.G. 4587.
Mayo, M.M. 7401.
Mayon-White, R.T. 8042, 12015.
Mayr, A. 7272, 13060.
Mayrand, D. 1964, 5779.
Mayrer, A.R. 11821.
Mays, E.L. 6414.
Maytal, J. 10372.
Mazaitis, A.J. 9899
Mazas, F. 10457.
Mazeron, M.C. 12013.
Mazigh, D. 10215.
Mazloum, H.A. 10881.
Mazodier, P. 8737.
Mazurek, C. 9030.
Mazza, G. 2877.
Mazza, J.E. 1955.
Mazzei, L. 10351.
Mazzei, T. 6785, 6786, 6796, 7032, 10393.
Mazzone, G. 8838, 8852.
Mazzucco, A. 3476.
Mboup, S. 5060, 7147, 9167, 11838, 11841.
Mbuya-Mimbanga, M. 2394.
McAbee, D.D. 6725, 7681.
McAdam, K.P.W.J. 688, 3144.
McAlister, T.V. 2545.
McAllister, T.A. 10386
McAllister, W.T. 5036
McAnarney, E.R. 2051.
McArdell, J.E.C. 11179.
McArthur, B.J. 10656.
McArthur, J. 7165.
McArthur, W.P. 533, 3216, 5171, 7940.
McAuliffe, P. 11055.
McBride, B.C. 4085.
McBride, D.F. 1073.
McBride, H.M. 5603.
McBride, R.J. 5136.
McCabe, J.M. 682.
McCabe, L.J. 6198, 7988.
McCabe, M.A. 2673.
McCabe, M.M. 11114.
McCabe, W.R. 967, 6288.
McCaffree, D.R. 1970.
McCain, A.H. 9403.
McCall, C.E. 6276.
McCalla, D.R. 1436.
McCallum, J. 12008.
McCallum, R. 10620.
McCalmon, R.T. 6064
McCann-McCormick, P. 10974.
McCann, P.P. 7538.
McCann, R.J. 2680.
McCann, V.J. 849
McCarley, E. 8298.
McCarroll, N.E. 2529.
McCarry, B.E. 1436.
McCarter, S.M. 1143, 2409.
McCarthy, A.J. 1254.
McCarthy, C. 5650.
McCarthy, C.A. 6926.
McCarthy, D. 2953, 2954, 8726, 12769, 12770.
McCarthy, D.H. 2565.
McCarthy, J.C. 7966.
McCarthy, J.E.G. 4778, 8367, 12471.
McCarthy, L.R. 2761, 3484, 7021, 7351.
McCaughey, W.J. 3591, 4536, 7278.
McCaul, T.F. 58.
McCay, S.G. 465.
McChesney, A.E. 3625.
McChesney, S.L. 3625.
McClane, B.A. 11476.
McClatchy, J.K. 1785, 5582.
McClean, A.N. 12235.
McClellan, J.F. 3680, 4621, 6407, 9437.
McClelland, M. 2696.
McClenaghan, M. 3612.
McCloskey, J.A 4228, 7508, 12533.
McCloskey, R.V. 337.
McClure, F.D. 1274, 7370.
McClure, J.J. 1098.
McClure, M.S. 5505.
McColl, A.S. 5769, 12658.
McCollum, J.P.K. 2040.
McConnell, K.B. 639.
McConnell, M. 2014.
McConnell, M.R. 6725, 7681.
McCormack, J.G. 7964.
McCormack, W.M. 3785, 4452, 13232.
McCormick, M. 7685.
McCormick, R.D. 11927.
McCormick, W.F. 958.
McCorquodale, D.J. 2944, 4988.
McCoubrey, W.K.,Jr. 8383.
McCowen, S.M. 3861, 8215.
McCoy, E.C. 1585, 8658.
McCoy, M.T. 2188.
McCoy, P. 3655
McCoy, R.E. 2702, 4600, 5560.
McCracken, G.H. 848, 7073, 10336.
McCracken, G.H.,Jr. 7209, 8856, 9180, 11845, 11850, 11990.
McCray, M.K. 11899.
McCready, R.G.L. 8440.
McCroskey, L.M. 3140.
McCue, J.D. 614, 7196, 9157.
McCulley, J.B. 10443.
McCulloch, B. 3604.
McCulloch, D. 7169.
McCullough, W.G. 12737.
McCully, V. 5775, 5784.
McCurdy, D.M. 7026.
McCutchan, J.A. 11636.
McDade, J.E. 2285, 2288.
McDermid, A.S. 5812.
McDermott, D. 13330.
McDermott, F.T. 2287.
McDevitt, D.A. 2844
McDonagh, B. 2063.
McDonald, A. 1242.
McDonald, H.C. 9805.
McDonald, J.S. 385.
McDonald, K.O. 1687, 5873.
McDonald, M. 3472, 10582, 10583.
McDonald, M.I. 8828.
McDonald, P.J. 530, 13027.
McDonald, T.J. 792, 7475, 9050.
McDonel, J.L. 11476.
McDonough, P.L. 1116.
McDonough, W.D. 3389.
McDougal, A.C. 1940.
McDougal, L.K. 61.
McDougall, A.C. 3275.
McDougall, W.A. 732.
McDowall, M. 2069.
McElhaney, G.E. 2798.
McElhaney, R.N. 2584.
McElhannon, W.S. 3691, 5537.
McElroy, M.B. 9431.
McEntee, K. 5005, 7378, 10648.
McEwen, J. 12788.
McFadden, B.A. 7571.
McFarland, C.R. 9704.
McFarland, J.J.,Jr. 3459.
McFarland, L. 8378.
McFaul, S.J. 13442.
McFeters, G.A. 128, 7338.
McGale, E.H.F. 5337.
McGarrity, G.J. 5567, 11137.
McGarrity, J.T. 228.
McGarry, T.J. 8615.
McGauhey, M.D. 6971.
McGeady, S.J. 5359.
McGee, M.B. 5418.
McGee, W.R. 10676.
McGee, Z.A. 4166, 9225, 10124, 10605, 11825.
McGhee, J.R. 1124, 5199, 6114, 11519.
McGiboney, D.L. 7142.
McGill, T.M. 2244.
McGill, W.B. 6409.
McGinley, K.J. 1735, 3262, 4365, 13082.
McGlynn, D.M. 2276.
McGoldrick, J. 1038.
McGovren, J.P. 2990.
McGowan, J.E. 11879.
McGowan, J.E.,Jr. 2283, 2326, 10518, 10521, 10560, 10570.
McGowan, K. 6290.
McGrath, R.K. 9356.
McGrath, S.M. 2484, 9495.
McGregor, D.D. 3209, 3210, 3211.
McGrew, B.E. 1844, 7907.
McGuckin, M.B. 2258, 3498, 7106.
McGuiness, J. 3260.
McGuire, S. 10474.
McHenry, C.S. 7622, 12775.
McHenry, M.C. 8771, 9174.
McHugh, G.L. 11058.
McInnes, A.G. 7632.
McIntire, S.A. 8711.
McIntosh, C.L. 2297.
McIntosh, L.C. 8971.
McIntosh, M.A. 5731.
McIntosh, S.J. 8757.
McIntyre, K.E.,Jr. 10622.
McIver, C.M. 5022.
McK Olson, H. 8497.
McKane, L. 7684.
McKay, A.C. 5164.
McKay, C.P. 3696.
McKay, D.B. 5736, 7876, 8483.
McKay, G. 3355.
McKay, L.F. 12735.
McKay, L.L. 79, 240, 6637.
McKay, R.W. 10255.
McKee, A.S. 10880
McKee, K.T. 7071.
McKendrick, G.D.W. 1990.
McKendrick, M. 9141.
McKenna, F. 7973.
McKenney, D.J. 7335.
McKenzie, G.H. 4051.
McKenzie, R.A. 1110, 4557, 7924.
McKenzie, W.N.,Jr. 5177, 8897.
McKercher, D.G. 10711.
McKillop, C.M. 9916.
McKinely, M.J. 9137.
McKinley, G.A. 5455, 6834.
McKinney, R.M. 513, 2007, 3779.
McKinnon, C.H. 2526.
McKitrick, J.C. 6271.
McKittrick, N.H. 8281
McKnight, J.L. 6622.
McLaren, D.J. 11579.
McLaren, L.C. 12991.
McLauchlin, J. 9260.
McLaughlin, B. 4465.
McLaughlin, J.C. 4659.
McLaughlin, J.R. 1457, 4884, 5708, 7666.
McLaughlin, M.E. 3703.
McLaughlin, R.E. 7895.
McLaurin, B. 7907.
McLean, A.A. 640.
McLean, A.P.H. 13297.
McLean, D.L. 1327, 6391.
McLean, I. 1420.
McLean, R.H. 988
McLean, W.E. 3588.
Mclemore, S. 8573.
McLennan, B. 12534.
McLeod, C 10680.
McLeod, C.G.,Jr. 10528.
McLeod, R.A. 12347.
McLimans, C.A. 13302.
McLinden, J. 8571.
McLoughlin, M.G. 2081.
McMacken, R. 9717, 11051, 12753.
McMahan, J.T. 10331.
McManus, A. 190.
McManus, A.T. 10528.
McManus, W.F. 7965.
McMartin, D.A. 10699.
McMeekin, T.A. 2598, 5649.
McMillan, A. 2163, 7383.
McMillan, B.D. 7877.
McMillan, J.A. 11946.
McMillan, K.L. 10715, 12053.
McMillan, S.A. 5238.
McMurry, L.M. 2580.
McNamara, A.L. 7509.
McNamara, B.T. 8761, 11656.
McNamara, T.M. 2643.
McNaughton, R.D. 1753.
McNeal, B.L. 8167.
McNeil, D.L. 10799.
McNeil, K.E. 12707.
McNeil, M. 2830, 6667.
McNeil, P.J. 13232.
McNeill, W.F. 7834.
McNicol, M.W. 7929.
McNicol, P. 1359.
McNulty, M.J. 6107.
McParland, K.B. 6616.
McPhaul, J.J.,Jr. 3382.
McPherson, J.C. 7691.
McPherson, T.A. 6896.
McQuarrie, D.G. 11998.
McQueen, R.E. 12416.
McQuilkin, S.J. 5097.
McRorie, D.K. 202.
McSharry, R. 11274.
McSwiggan, D.A. 1297, 2
McVay, P. 9731.
McWhinney, N. 947.
McWilliam, P. 12837.
McWilliams, E. 9528.
Md Tahir, H. 9925.
Meacock, P. 11265.
Mead, G.C. 2547.
Mead, J.F. 13364.
Meade, H.M. 6762, 9833.
Meadow, W.L. 11898.
Meadows, C.A. 6435.
Meadows, H. 5827
Meadows, M.E. 1701.
Meagher, R.B. 4970.
Meakins, J.L. 13297.
Means, E.G. 4647.
Means, J.C. 9643.
Measel, J.W.,Jr. 3179.
Mebel, S. 1650.
Mechlis, S. 11736.
Meckel, A.H. 11684.
Meda, J.M.M. 13343.
Medani, C.L. 4929.
Meddens, M.J.M. 11992.
Medeiros, A.A. 6756, 8816, 10062, 12256, 12927.
Medina, D. 5382.
Medine, A.J. 9489.
Medvedev, S.A. 11099.
Medvedeva, S.E. 12326, 124
Meek, A.H. 3077, 8111, 13
Meek, T.D. 4903.
Meers, J.L. 197.
Megalla, S.E. 4214, 7858.
Meganathan, R. 6562, 11031
Megias, M. 5881.
Megraud, F. 2024, 2295, 33 7007, 7061, 9255, 9258.
Meguro, H. 895, 2248, 2320
Mehaffey, M.A. 2531.
Mehdi, I. 11234.
Meheus, A. 932.
Mehigan, D. 10502.
Mehlhorn, G. 3746.
Mehlman, I.J. 5563, 8326, 8 12208.
Mehra, R.K. 1590.
Mehra, U.R. 2332.
Mehrotra, K.N. 4599, 9384.
Mehrotra, M.L. 753.
Mehrotra, P. 4595.
Mehrotra, P.N. 2932, 5110, 6
Mehrotra, R.S. 6424.
Mehrotra, T.N. 9011.
Mehta, A.P. 10979.
Mehta, K.P. 11828.
Mehta, M.C. 13089.
Mehta, R.J. 3051.
Mei, G.-H. 12337.
Meiberg, J.B.M. 2776.
Meiering, A.G. 12386.
Meighen, E. 4913.
Meijer, P. 10783.
Meiklejohn, G. 2271.
Meinardi, G. 9949, 9953, 11
Meinecke, C.F. 1095.
Meinen, K. 9160.
Meirom, R. 9063.
Meisel-Mikolajczyk, F. 1295, 1298, 5192, 5193.
Meisenberger, O. 11159.
Meissner, G. 6255.
Meister, A. 4066.
Meister, B. 6263
Mejean, V. 5017.
Mejia, P.A. 991.
Mejlhede, A. 11957.
Mekalanos, J.J. 7655, 11258,
Meki, T. 85.
Melamed, M.D. 13239.
Melandri, A. 11154.
Melandri, B.A. 9670.
Melby, K. 4165, 4435.
Melchior, D.L. 3824.
Melchior, E.,Jr. 11664.
Melekhov, E.P. 9306.
Melero, J.R.P. 10091.
Melick, C. 321, 5953.
Melik-Sarkisian, S.S. 12315,
Melik, N. 11768.
Melikian, V. 5377.

o, G. 4307, 5205
li, G. 9145.
n, M.E. 1013
, G.W. 761
mn, I.S. 7406
an, T 1911
ma, J E 5727
ncamp, M.W 2673
rick, D 2667
y, L 5439
er, G. 13331
ng, J. 9476, 10084, 11501
s, C M 4385
ts, E.D. 4398
rs, L.T. 9047
, M.A. 10124, 11825
ichenko, L N 12313
ick, J.L. 1279
J C 5298, 10453
ux, J 4462, 5410
om, R 3279
on, P 1816
ille, T H 4617
in, E T 885
er, M 3842
ion, A M 11753
ion, G H 3720
aggia, F 11135
ault, F 13279
aut, P 5242
delman P M 9986
delson, J 11674
delson, N H 10978
dez, A 13383
dez, B 8661
dez, L 9034
doza, F 2655
eely, J D 5257
eses, G 11516
ey, C L 11650
ig, M 4775
ge, E B 1336
gin-Lecreulx, D 8516, 12704
kes, C J 5416
kes, E 3250
na, J H 12396
nes, A M 9908
non, M R 2474, 3697, 6542
non, U 4636
nozzi, M 10309
nsa Pueyo, J. 10609
nter, P.A. 5761, 11259.
ntjox-Vervuurt, J.M. 6494
ntzel, H 10368
nzel, R 4008, 4053
nzies, I S 9613
nzies, R 356
pani, C P 1287
rcadier, M 4503
rcado, P E 12171
rcenier, A 6696
rcer, E. 7012.
rchant, R E 8955
resta, L 3043
resta, T 3043
retey, K 11601
rgeay, M. 1649
rgenhagen, S.E. 1099
ergoni, M 5439
erideth, J 4480
erino de Cos, P. 11960
erk, H. 11914
erkal, R.S. 12737
erkel, J. 4035
erkel, J.R. 3992, 4885, 4891
erkel, S. 1996.
erkel, S.M 6447
erkl, I. 208
erkler, D.J. 4019
erli, S. 7744
erlier, J. 13138.
ermelstein, R. 1585, 8658.
errell, B.R. 9223, 10373
errifield, E.H. 4945
errifield, R.B 12911
erril, C.R. 4993.
errill, A.H.,Jr. 4874
errill, C.E. 10877
erritt, J. 13070.
erson, M.H. 833.
ertens, G. 6647.
ertes, M.P 4938
erz, H. 6544.
erzbach, D. 6225, 10633
es-Hartree, M. 9817.
essadi, M. 2199
essage, B. 5023.
essantakis, J. 2178.
essenger, A.J.M. 5666.
essenguy, F. 5865
esser, J. 10310.
esser, R.H. 7365.
essi, P. 12855
essiaen, C.-M. 4645.
essier, F. 1436, 12382
Messier, S. 1121, 7234
Messing, E. 3378
Messing, R.A 12692
Messinova, O V 6520
Mestanek, J 10663
Mestecky, J. 8982
Mester, L 692
Mester, M 692
Metcalf, E.C. 11164
Metcalf, J F 799
Metcalfe, A. 1105, 2192.
Metcalfe, J 7098
Metcalfe, R V 7946
Metezeau, P 11512
Methling, W. 3746
Metianu, T 11631, 11652.
Metlina, A.L 12563
Metspalu, E. 5711
Mett, H. 1336
Mettler, F A.,Jr. 743
Metzger, J F. 3121
Metzger, M. 8988
Metzler, D.E 11192
Metzner, J 422
Meulemans, A. 9168
Meulemans, G. 6340
Meulien, P 5016
Meunier-Carpentier, F. 11982
Meunier, J 11721
Meurman, O. 10196
Meury, J. 3882, 8372, 12291, 12438
Meuzelaar, H.L.C 2555
Mew, T.W 6404, 7302, 12092,
  13436, 13448
Meyer-Reil, L.-A 5547
Meyer, C M 6626, 7573, 12623
Meyer, H 10646, 10661
Meyer, H.-P. 12600
Meyer, H.F. 7726.
Meyer, J 3974, 5024, 6611.
Meyer, L. 10970
Meyer, O 7588
Meyer, R. 6742
Meyer, R B ,Jr 4933
Meyer, R.C 1075
Meyer, R.D 803, 7798, 8052,
  8761, 9119
Meyer, T.E. 12473
Meyers, A.J.,Jr 5644
Meyers, B.R 11840
Meyers, E. 2967
Meyers, M 3792
Meyers, S. 2023
Meyers, S.P 8418
Meyers, W.F. 10635
Meyhoff, H.H 876.
Meyran, M. 2535
Meyrick, G. 3282
Meyrick, K.F 8183
Meza-Basso, L 6749
Mezhevikin, V.V. 11030, 12482,
  12490, 12494
MGrath, S M. 9812
Mhammedi, A. 7710
Mia, A.S 4247
Miadonna, A. 4286
Miake, S 5208
Miall, W E 8000
Miao, L 8000, 10525
Micalizzi, R 10866
Micclebrook, J.L 10080
Michael, B D 2699
Michael, J.G 570, 11569
Michael, P R 4166
Michaeli, D 10515
Michaels, E.B. 13330
Michaels, R H 2346, 10324
Michaelsen, T.E. 6084
Michalek, S.M 1124, 5199,
  6114, 11519
Michaljanicova, D. 8454.
Michalsen, H. 11714
Michalski, J.-C 1527
Michaud, R 3664
Michaux, J.L 3499
Michel-Beyerle, M.E. 12486
Michel-Briand, Y 281, 10002
Michel, C. 5468
Michel, D. 2236.
Michel, F 8925
Michel, G. 4163, 4956, 7710, 8446
Michel, H 5859, 9725
Michel, J 10523
Michel, J.L. 1637
Michel, L. 6174
Michel, M.F 9959.
Michel, S. 6117
Michelet, Ch. 10348
Michels, P 2281.
Michelsen, P.B. 1011, 1883
Michelson, M. 6079.
Miclo, A. 6629
Micoud, M. 4444
Middaugh, J.P. 11834.
Middlebrook, G. 4199, 7000
Middleton, D 5238.
Middleton, H.M ,III 10490
Middlton, R.L 2672
Midgley, M. 12321
Midgley, P.J.W 8565
Midtun, N 11685
Midtvedt, T 666, 675, 1126, 4594.
Midura, T.F. 6007, 8960
Mieth, D. 11881
Miettinen, A. 9853
Mifuchi, I. 6082, 8558.
Migliore-Samour, D. 10198.
Miglionni, D. 4304.
Mignot, M.H. 4284.
Migone, L. 5325
Migoushina, V.I. 8992.
Migoushina, V.L. 11622
Mihailescu, P. 11909
Mihalcu, F. 5905
Mihan, R 1938
Mikami, H. 11353.
Mikami, J. 1026, 2046, 2317
Mikami, R 8983, 10325
Mikami, Y 1745, 7737
Mikata, A. 11792
Mikawa, M. 6057, 6287, 7760.
Mikelsaar, M.E. 1919, 7841
Mikhail, I.A. 899, 3376, 7289
Mikhailov, V.V. 1815, 12147.
Mikhailova T.L. 2438
Mikhaleva, N.I. 12289.
Miki, F. 1008
Miki, T 5814
Miki, Y. 5620
Mikkelsen, L. 723, 10168, 13075.
Miklosovicova, L 1186.
Miko, M. 8840
Mikolajczyk, M 4845, 4964
Mikoyan, V.S 2917
Mikulik, K. 4819
Milacek, V. 11523
Milano, A. 3476
Milano, C.F. 697.
Milatovic, D. 1268
Milazzo, A. 2128
Milborrow, B.V 4792
Milbrath, G.M 13430
Milch, H 5887, 9220, 9574, 9902.
Milczarska, B 4205.
Mildenhall, J.P. 12681
Mildvan, A.S. 7559
Mileikovskaya, E.I. 11452
Milen, A 709, 11689
Miles, D.H 6844
Miles, E.W. 7610
Miles, H. 367, 10582
Miles, H.M 9933
Miles, J.A.R 1034.
Miles, R D. 2327
Milevskaya, Y.L. 9254
Milgrom, F. 1842
Milhausen, M 64.
Milholland, R D 9391.
Milich, M.V 3423
Milko, E.S 10997
Millard, C.E. 9116
Miller-Hatch, K. 8824
Miller, A.C. 10329.
Miller, B. 7961
Miller, C.G 260
Miller, C.H 1265
Miller, D.C. 11773
Miller, D.K. 13349
Miller, D.L 1472
Miller, E.H 971
Miller, E.L 3559
Miller, E S 4881
Miller, E T 11596
Miller, F J 11727
Miller, G. 2986.
Miller, G.A 6101
Miller, G.B ,Jr. 2244, 10532.
Miller, G H. 9936
Miller, H 5968
Miller, H.J 6482
Miller, J.D. 7125.
Miller, J.H. 4816, 11052,
  11267, 11270
Miller, J J 8834
Miller, J.M. 12450
Miller, J.N. 5872
Miller, K.F 6122
Miller, L.G. 1063
Miller, L.M. 9363
Miller, M.A. 5928, 7376.
Miller, M.J. 791
Miller, M.L. 5255, 5453
Miller, O.F. 9077
Miller, P.A. 2983, 3042
Miller, P.S. 6616
Miller, R.A. 12201.
Miller, R.C.,Jr. 2938, 4990
Miller, R.D 198, 10248
Miller, R.E 13104
Miller, R.H 9307.
Miller, R.V. 8707, 9506.
Miller, R.W. 3094, 6412
Miller, S.F 11885
Miller, T.C 7099.
Miller, T.L 4357
Miller, T.T. 7079
Miller, V.H 7102.
Millet, J. 204.
Millett, F.S. 11350, 11351
Milligan, L.P. 13360
Milligan, T.W. 3182.
Millikan, L.E. 3285
Millis, N.F 2479
Millner, O.E.,Jr. 12592.
Millon, R. 6595
Mills, A.L 10814, 13523
Mills, D.C 6022.
Mills, E.L. 6069
Mills, H.A 3691, 5537
Mills, K. 501, 3368.
Mills, L.R. 10490
Mills, O.E 1387, 5785
Mills, O.H. 5274
Millstein, S.G. 10128.
Milner, A.R. 1100, 1117
Milner, R.D.G 441
Milner, R.J. 1131, 5490
Milon, A. 13409
Milonova, T.I. 7085.
Milroy, E.J.G. 7055.
Milstead, J.E. 3654.
Mimica, I 747.
Mims, B. 1448
Minaga, T. 10618.
Minah, G.E. 1923.
Minami, K 7328.
Minami, S. 3055, 9964
Minami, Y. 329.
Minamino, N. 4137
Minamisawa, K. 6422
Minamitani, M. 2020, 3541.
Minamoto, N 7470
Minarova, E. 1282.
Minarovjech, M. 750.
Minatelli, J.A 437.
Mincey, T. 7559.
Minchin, F R. 1226, 2469, 2470.
Minciuna, V. 4344.
Minck, R. 2117, 2246
Mingat, J. 13222.
Mini, E. 6785, 6786, 10393.
Miniats, O.P. 12079
Minion, F.C. 10239, 10695
Miniti, A. 2019
Minjat, M 6080
Mink, R.W. 97, 2671, 12455
Mink, S.N 9095.
Minkoff, D I. 1013.
Minkova, R 4543.
Minnikin, D.E. 12691
Minoda, Y 5639
Minor, L.L. 11549.
Minshew, B 7995.
Minshew, B H. 89, 387, 7835,
  10534, 13316
Minsker, O.B. 897, 9303
Minuto, F. 9145
Minyuan, X. 2523.
Minzhang, C 836.
Mioerner, H 5299.
Miragliotta, G 4297, 12986
Miranda, H.C ,Jr 8198
Mirando, D.M. 564.
Mirandola, R M.S. 9364
Miras, A.L. 7974
Mirate, D.J 5431
Mirelman, D. 398, 8357.
Mirkhodzhaeva, I.R. 2145
Miro Meda, J.M. 10609
Miro, J.M 10426
Mironov, A. 6619
Mironov, A.S 12764.
Miroshnichenko, A.G. 3272.
Mirrett, S. 2112, 3353, 6817.
Mirtallo, J.M. 4751.
Mirza, B. 2135
Mirza, N.B. 6264
Mirzabekov, A.D. 2790
Mirzoyan, V.S 4206
Misaghi, I.J 5697, 11036.
Misawa, N 9360
Mise, K. 4999, 9872, 11061
Mishell, D.R ,Jr. 6937
Mishima, M 632.
Mishra, A.K. 4763, 12513.
Mishra, M.M. 3089, 12944
Mishra, S H. 11461
Mishustina, I.E. 13514
Misono, H. 1494, 3993, 8590
Misra, D.S 4200.
Misra, P.C. 6398
Misra, P.S 3374
Misset, O. 7580
Mitall, O.P 10197
Mitchell, B.L. 3337
Mitchell, C.G 12440.
Mitchell, D.J. 5512.
Mitchell, G.E.,Jr. 12039
Mitchell, M.J. 9433
Mitchell, N 9731
Mitchell, P. 6115.
Mitchell, P D. 7172.
Mitchell, R. 2499, 5493
Mitchell, R.E 1678, 6858, 10073
Mitchell, R E.J. 8633
Mitchell, W.R. 8277.
Mitcheson, H.D. 11635
Mitchison, D.A 1974, 11545.
Miteva, V.I. 2920
Mitina, N.A. 12563
Mitra, S.S. 2041.
Mitrenga, G. 1553.
Mitscher, L.A. 7808.
Mitskevich, I.N. 12174.
Mitsuda, S. 9794
Mitsuhashi, S. 343, 346, 1487,
  1514, 1691, 2773, 3055, 4192,
  5756, 5916, 5938, 5949, 6743,
  7706, 7818, 8257, 8768, 9866,
  9876, 9879, 9944, 9964, 9966,
  9995, 10003, 10008, 10031,
  10058, 10059, 11295, 11353,
  11455, 12588, 12589, 12901.
Mitsuhashi, T. 7412.
Mitsuhashi, Y. 10109.
Mitsuhasi, S. 10828.
Mitsui, K. 2719, 4930.
Mitsui, T. 4784
Mitsuoka, T. 151, 6476, 8094, 12041.
Mitsutomi, M. 4369.
Mitsuyama, M. 1882, 1903
Mittal, A. 8980
Mittal, K.R. 48, 4325, 6130
Mittelman, A. 4405
Mitterer, M. 6833
Mitui, T. 5188.
Mityashina, L.L. 11022
Mityurina, K.V. 7864
Mityushina, L.L. 10945.
Miura, A. 1446.
Miura, S. 3965.
Miura, Y. 2843, 9816
Miwatani, T. 469, 3126, 3127,
  3128, 4227, 5148, 7703, 8922,
  10885, 11482, 12258, 12972
Miyachi, T. 475, 11518.
Miyadera, T 8814.
Miyadoh, S. 7722, 11190.
Miyagawa, E. 233.
Miyakawa, M. 10723.
Miyakawa, S. 7810, 8049, 11421,
  11931
Miyakawa, Y. 6533.
Miyake, T. 1456.
Miyaki, M. 11174.
Miyakoshi, H. 4268.
Miyama, A. 10068.
Miyamoto, C. 7811
Miyamoto, E. 2738, 2783.
Miyamoto, K. 2843,
Miyamoto, M. 9967
Miyamoto, N. 2099
Miyamoto, S.-I. 1737.
Miyamoto, Y 5609, 6454, 12401.
Miyamura, S. 1740, 8804.
Miyano, K. 5930.
Miyata, A. 7702
Miyata, H. 5208.
Miyata, K. 7110.
Miyata, N. 9794
Miyata, T 9674
Miyata, Y. 3793, 4678.
Miyazaki, N. 2993.
Miyazaki, S. 9955
Miyazaki, T. 6514, 8442.
Miyazato, S. 151.
Miyazi, T. 3314.
Miyazu, M. 5063.
Miyoshi, H. 5638, 6438, 8451, 8458
Miyoshi, K. 3996.
Mizoguchi, K 11626.
Mizoguchi, T. 2987.
Mizoue, K. 2972
Mizsak, S.A. 2990, 7721, 7726,
  7801, 11348.
Mizugaki, M 11201, 12635.
Mizuhara, H. 634
Mizukami, T. 5824, 12815.
Mizukoshi, M 4268
Mizuno, A. 3888
Mizuno, K. 290.
Mizuno, N. 451.
Mizuno, S. 5591, 12236.
Mizushima, S. 1636, 1651, 3933,
  8515, 8535, 9710.
Mizuta, E. 290.
Mizuta, K. 6060
Mizutani, K 2973.
Mizutani, T 2972.
Mizuuchi, K. 7646.

Mizuuchi, M. 7646
Mkrtichian, E. 2158.
Mlodozeniec, P. 4252.
Mlynarcik, D. 2686, 8461.
Mnozhoyan, Sl.L. 7781.
Mo, G.Z. 13183.
Moaledj, K. 9494.
Moar, J.J. 3369.
Moats, W.A. 3079, 5125.
Moawad, M.K. 10318.
Mobley, D F. 2084.
Mobley, H.L.T. 1345, 12960.
Mochitate, K. 4147.
Mochizuki, H. 2717, 8974.
Mochizuki, N. 2623.
Mock, B. 11672.
Mock, C. 8134.
Modai, J. 905, 906, 9168.
Modaie, J. 5387, 8046.
Modak, S.M. 698.
Modanlou, H.D. 10556.
Modarelli, H.R.O. 3506.
Modeer, T. 729.
Model, P. 2896, 4129, 9675.
Moder, B. 13272.
Modi, V.V. 3952, 3984.
Modolell, J. 3913.
Modrich, P. 2704, 7613.
Moe, D. 13067, 13093.
Moechtar, M. 6479.
Moellby, R. 277, 3387, 5767, 9863, 11506, 12652, 13178.
Moeller, A. 3901, 11680.
Moeller, A.J.R. 11687.
Moeller, B.R. 13234.
Moeller, D.D. 9289
Moeller, E. 6289.
Moeller, N.E. 11712.
Moeller, W. 7515, 7516.
Moellering, R.C. 5059.
Moellering, R.C.,Jr. 340, 3012, 3062, 9951, 9990
Moellering, R.C,Jr. 12005.
Moen, J. 323.
Moens, R. 6183.
Moerland, B. 11566.
Moffett, M.L. 3668.
Mogabgab, W. 9146, 13121, 13186.
Mogg, G.A.G. 3351.
Moghissi, A.J. 986
Moghissi, K. 772, 986.
Mohamed, Z.M 10881.
Mohammed-Ali, R.Y. 1971
Mohan, C. 12730, 13479, 13482
Mohan, K. 4537, 9337.
Mohan, S. 11243.
Mohanty, S. 1024.
Mohanty, S.B. 4350.
Mohanty, S.K. 9408.
Mohapatra, L.N. 7878.
Mohd-Salleh, M.B. 7892, 7896, 7897, 8125.
Mohn, G. 6703.
Mohn, G.R. 5569, 11282.
Mohr, H.P. 4441.
Mohr, N. 212.
Mohr, P.W. 7472
Mohri, S. 9001.
Mohrig, W. 8129.
Mohs, F.E. 7134.
Moir, A. 2852, 2862.
Moiroud, A. 1176, 10766.
Mokhova, L.F. 13307.
Mokka, R.E.M. 6291
Molavi, A. 11416, 11936.
Molay, M.P. 13337.
Mold, C. 6090, 6096, 10959, 11611.
Moldoveanu, Z. 8982.
Moldow, C.F. 10090.
Molendijk, L. 9419.
Molin, S 5032.
Molin, S. 1689, 11321, 12781, 12785, 12811.
Molina-Padilla, J. 9312.
Molina, A.M. 1666.
Molina, C. 5242.
Molina, J. 11959.
Molinar, L. 10023.
Molinari, J.L. 9034.
Molineaux, C.J. 12080
Molitoris, E. 8204.
Molla, A. 812.
Molla, A.L. 9111, 9113, 9115.
Molla, A.M. 812.
Mollaret, H.H. 26, 27, 28, 29, 156, 1315, 4987, 10215
Mollby, R. 4224, 5158, 6019.
Moller, B.R. 2092, 3611, 9152
Moller, K. 3578.
Moller, N.E. 12026
Moller, R. 7413.
Moller, S. 8097
Moller, W. 12550.
Moller, W.J. 8806.
Mollinedo, F. 4060, 5766.
Molloy, D. 3655.
Molloy, R.M. 5898
Molnar, I. 633.
Molnar, J. 5971.
Molnar, K. 1089.
Molnar, L. 10172.
Molnarova, I. 12678.
Molochaeva, I.S. 13066.
Moloney, P.J. 2081.
Molongoski, J.J. 8222.
Moltemeyer, M. 7636.
Molteni, O.A. 4292.
Molyneux, E. 8060.
Mombelli, G. 937, 4531, 13118.
Momen, H. 3803, 4925.
Momii, F. 2829.
Monaco, H.L. 12630.
Monaghan, C. 11133.
Monaghan, M.J. 7098.
Monahan, J.J. 5022.
Monakhova, E.V. 10908.
Monastyrskaia, G.S. 12572.
Monastyrskaya, G.S. 4978, 7663.
Moncany, M.L J. 4087, 4123.
Monco, C.G. 7975, 9089.
Mondello, F. 9996
Mondino, B.J. 6285.
Mondkar, A.D. 1800
Mondry, C. 5950.
Monell-Torrens, A. 6958.
Monette, J.P.L. 1853.
Monib, M. 9483, 12384.
Monie, R.D.H. 10341.
Monif, G.R.G. 5955.
Monjour, L. 4456.
Monk, D. 8200.
Monk, S.J. 2635.
Monnet, P. 4382.
Monno, R. 6989, 12986
Monreal, C.M. 6409
Monro, J.L. 1006.
Monsallier, F.J. 8045
Monsallier, J.F. 7220, 13282.
Monson, C.A. 13072.
Monson, T.P. 7079, 11941.
Montagliari, C. 7175.
Montague, M.D. 1486.
Montali, R.J. 7913.
Montanari, M. 11831.
Montange, D. 7332.
Montay, G. 4209.
Montecinos, M.I. 2388.
Montecucco, C. 6857.
Monteil, H. 9804.
Monteiro, A.R. 4226.
Montejo Baranda, M. 9139.
Montellato, N. 4428.
Montenegro, S. 4245.
Montero, E.R. 825.
Montero, J.M. 7146.
Montero, J.P. 7146.
Montes, J. 7063.
Montes, J.P. 8036.
Montes, L. 2388.
Montesano, R. 6018.
Montgomerie, J.Z. 845, 850, 7112.
Montgomery, G.L. 11895.
Montgomery, J.C. 6204.
Montgomery, R. 11342, 12912.
Monti-Bragadin, C. 4094.
Monti, G. 9949.
Monticello, D.J. 2797.
Montie, T.C. 1807, 5614, 10177.
Monties, B. 1385.
Montis, R. 7074.
Montjoie, T.B. 7239.
Montpetit, C. 1096.
Montplaisir, S. 855.
Montville, T.J. 9424.
Monzu, N. 2350.
Moodley, J. 10447.
Moody, B. 6288.
Moody, M.F. 8588.
Moody, M.R. 10635.
Mooi, F.R. 8743, 10936
Moojen, V. 3165, 11529.
Mookerjee, A. 2721.
Mookerjee, K. 10101.
Moon-McDermott, L. 359.
Moon, D. 644.
Moon, H.W. 10156.
Moon, N.J. 10762
Moon, R.J. 11570.
Moonen, C.T.W. 7536.
Moor, N.A. 9758.
Moore-Gillon, J.C. 4516.
Moore, A.B. 3139.
Moore, B. 3355.
Moore, B.A. 3046.
Moore, B.L. 1799.
Moore, C.G. 8118, 8120.
Moore, D. 5839.
Moore, D.F. 9625
Moore, E.E. 12024.
Moore, H.B. 5580
Moore, J.H. 10656.
Moore, J.N. 1824, 10126.
Moore, K.E. 5126, 7985.
Moore, L 644.
Moore, L.W. 12100.
Moore, M. L. 5811.
Moore, P. 12009.
Moore, P.B. 3903, 3904, 9679.
Moore, R.A. 2613.
Moore, R.J. 6763, 6765.
Moore, R.L. 4708.
Moore, W.,Jr. 3153.
Moore, W.E.C. 8319.
Moorhead, P.D. 1104, 10720.
Moorhead, S.R., Jr. 946.
Moorman, D.R. 3059, 8815.
Mor, N. 565.
Mora, J.J. 925.
Moracho, M.J.L. 13419.
Morag, B. 12689.
Morahan, P.S. 13026.
Moral, L.A. 5409.
Morales, M.J. 13413.
Moran, C.P.,Jr. 1584.
Moran, N. 13369.
Morand, A. 12867.
Morandi, C. 4797.
Morandi, N. 9226.
Morandini, G.C. 10352.
Morath, M.A. 11885.
Morck, H.I. 529.
Mordhorst, C.H. 4499.
Mordovtsev, V.N. 6249.
Mordowicz, M. 9288.
More, J. 9322.
Moreau, C. 9005
Moreau, N. 10014.
Moreau, P.M. 1101.
Morel, D. 10984.
Morel, P. 11857.
Morell, A. 1916.
Morell, B. 7970.
Morello, J.A. 10905.
Moreno-Lopez, M. 3271, 6797.
Moreno, C. 5792.
Moreno, J.C. 2146.
Moreno, S.E. 547.
Morenzoni, G. 7823
Morere, P. 4420.
Moresco, R.C. 7179.
Morfeldt-Manson, L. 2122.
Morgan, A.F. 3073, 6738.
Morgan, A.G. 691, 9155.
Morgan, A.R. 8513.
Morgan, D.A. 8090.
Morgan, E.A. 2722, 12741.
Morgan, J.R. 7994.
Morgan, M.K. 2949.
Morgan, O. 9247.
Morgan, R.J.I. 2370
Morgan, S.D. 5149
Morgan, S.L. 9589.
Morgan, T. 2698.
Morgan, T.L. 4795
Morgan, T.V. 2688
Morgan, W.M. 10537, 10587.
Morgon, D.S.R. 4401.
Morhacova, G. 1186.
Mori, H. 1730, 3004, 4159.
Mori, M. 3344, 6052, 6060, 6354.
Mori, S. 12908.
Mori, T. 2987, 7734, 8768, 11357.
Mori, Y. 6850.
Moriel, E. 2090.
Morien, L.L. 9527.
Morihana, T. 329.
Morihara, K. 3129.
Morikawa, K. 12323.
Morikawa, M. 6650.
Morikawa, Y. 355, 895, 1025, 1752, 2134, 3016.
Morimoto, K. 7757, 7802.
Morimoto, M. 7729, 9915, 11344.
Morimyo, M. 12336.
Morin, A. 13459.
Morin, M. 1096, 7251, 8088.
Morin, M.E. 2274.
Morinaga, H. 6877.
Morinaga, T. 42.
Morinaga, Y. 3930, 3935.
Moring, S.E. 2616.
Morioka, T. 9947, 10148.
Morishita, H. 4738, 8804.
Morishita, T. 1477.
Morisset, R.A. 1753.
Morita, C. 5826
Morita, E. 451.
Morita, M. 762.
Morita, R.Y. 2643, 5630, 12418.
Morita, S. 2845.
Morita, T. 10069.
Moriya, T. 4862.
Moriyama, Y. 777.
Moriyon, I. 13002.
Morkov, G.V. 3432.
Morley, P.A. 3038, 4171.
Morlock, B.A. 3390.
Morlon, J. 8731.
Morobio, M.V. 2146.
Moroni, M. 7006.
Morosi, A. 11443.
Moroz, A.M. 4380.
Morozumi, P.A. 6091, 6196.
Morozzi, G. 11443, 11464.
Morrey-Jones, J.G. 12604.
Morris, C. 5036.
Morris, C.M. 9638.
Morris, E.J. 1349, 5680.
Morris, G.K. 11976.
Morris, J.G. 815, 3485, 5810, 6491.
Morris, J.G., Jr. 3363.
Morris, M.E. 3832.
Morris, R.E. 5175.
Morris, R.O. 1453, 11312.
Morris, S.L. 2631, 2741.
Morrison, C. 10730.
Morrison, D. 11649.
Morrison, D.C. 491, 7926.
Morrison, E.C. 454, 6951.
Morrison, J.F. 1519, 8583, 8584, 11138, 11205.
Morrison, J.O. 6795, 6826.
Morrison, N.E. 1775.
Morrison, S.M. 5554.
Morrow, J.W. 850, 7112.
Morse, S.A. 1311, 2522, 2831, 6669, 8378.
Morse, S.T. 11854.
Morte, J.A. 10507.
Mortensen, I. 5973, 8097.
Mortenson, L.E. 7537, 7544, 8563, 9755.
Mortimer, E.A. 10407.
Mortlock, R.P. 9798.
Morton, J.K. 10662.
Morton, L.H.G. 6818.
Morton, N.J. 5234.
Morvillo, E. 3076.
Mory, F. 3417.
Mosbaugh, D.W. 5752.
Mosconi, F. 412.
Moseley, B.E.B. 1595, 1598.
Moseley, P.L. 11943.
Moseley, S.L. 7655.
Mosenthal, A.C. 9926.
Moser, C.L. 7253.
Moser, J. 7970.
Moser, K.M. 4402.
Moses, P.D. 9170.
Moses, R.E. 1622, 11045.
Moses, S.W. 6868.
Moshal, M.G. 4354.
Moshe, A. 2560.
Mosichev, M.S. 12620.
Mosig, G. 9860.
Mosimabale, F. 11539.
Mosimann, J. 504, 2250.
Moskana, D. 6956.
Moskovitz, B.L. 11860
Moskovitz, M. 811.
Moskovskaya, M.A. 897.
Moskowitz, W.B. 966.
Mosley, W. 5317.
Mosmann, T.R. 1902.
Mosquera, J.M. 1012.
Moss, C.W. 2838, 3779, 4068, 4951, 6677, 9801.
Moss, E.L.,Jr. 9936.
Moss, J. 4234, 5182, 6863.
Moss, M.O. 1245.
Moss, R.B. 3232.
Moss, T.J. 961.
Mossel, D.A.A. 8422, 10985.
Mossie, K.G. 1469.
Mosteller, L.M. 11519.
Mothershed, C. 11263.
Mothibeli, M.A. 12663.
Motin, J. 6281.
Motina, G.L. 7414.
Moties, M. 5700.
Motoda, R. 221, 2749.
Motohashi, K. 9879.
Motokawa, K. 7796.
Motomura, R. 1730.
Motosugi, K. 5750.
Motoyama, M. 8775.
Motteram, P.A.S. 8367.
Mottes, M. 2924.
Mottier, D. 7159.
Motuz, L.P. 11116.
Moucawi, J. 4748.
Mouches, C. 2618, 10169.
Moulder, J.W. 23, 9195.
Moulding, T.S. 6168.
Moulin, A. 2221, 10388.
Moulinier, Cl. 5491.
Moulinier, Y. 5491.
Moulis, J.M. 6611.
Moulsdale, T.M. 4481.
Mounier-Kuhn, A. 3523.
Mounier, M. 9061, 11644
Mount, D.W. 4842, 7657.
Mountfort, D.O. 3679, 84
Moura, I. 9740, 11103, 11
Moura, J.J. 9709.
Moura, J.J.G. 9740, 11103
Mourad, F.E. 8747.
Mourot, D. 4189.
Mourot, N. 4503.
Mousa, M.T. 85.
Mousdale, D.M.A. 5497.
Moussa, H.H. 8843.
Mouton, C. 7312.
Mouton, R.P. 5121, 7095.
Mouton, Y. 9305, 10472,
Movchan, N.S. 599.
Movva, R.N. 1634.
Mowat, A.G. 2231.
Mowbray, J.F. 7929.
Moxley, G.F. 6317.
Moxon, E.R. 7211, 8816, 9
Moyer, M. 3408.
Moyer, N. 342.
Moyers, J. 1986.
Moynihan, M. 10088.
Mrazova, A. 6030
Mrozikiewicz 3316.
Mshana, R.N. 8947.
Mu, Z.-F. 12787.
Muamba, M.L.K. 12616.
Muchmore, H.G. 555.
Muchnik, F.V. 12308.
Muckerman, C.C. 12796.
Muckle, C.A. 8310.
Mudd, R.L. 22.
Mueck, V.O. 9385.
Muehlemann, H.R. 1956.
Mueller-Hill, B. 8665.
Mueller-Wening, D. 6303.
Mueller, A. 2985, 7879.
Mueller, D. 11479.
Mueller, E. 4071.
Mueller, F. 147, 6034, 7536
Mueller, G. 5021, 7930, 826
Mueller, H.E. 10868, 11002
Mueller, K.D. 12672.
Mueller, K.M. 10040.
Mueller, M. 10035.
Mueller, P. 6559.
Mueller, R. 2759, 3156, 111
Mueller, T.J. 4058.
Mueller, U. 2690.
Mueller, V.G. 1367, 5095.
Mueller, V.H. 2093.
Mueller, W. 6741, 12188.
Muench, R. 1535, 12929.
Muenck, E. 11103, 11189.
Muesing, M. 11322.
Muesing, M.A. 11325.
Mufarrij, A.A. 7122.
Mufson, M.A. 11981.
Mugg, P. 2546.
Mugnier, J. 10786.
Muhar, F. 5300.
Muhlemann, H.R. 13375.
Muhlrad, A. 1467.
Muhoberac, B.B. 8567, 1115
Muir, M.E. 5844.
Mujica, L. 5293.
Mukai, H. 3863.
Mukai, J. 5718.
Mukai, J.-I. 12531.
Mukaihara, S. 2321, 7168, 8
Mukasa, H. 9592.
Mukerji, D.S. 5223.
Mukhamadieva, M.Kh. 1306
Mukherjee, A.K. 222.
Mukherjee, K.C. 1024.
Mukherjee, S.K. 12923.
Mukhopadhyay, A.K. 835.
Mukit, A. 3619.
Mukkur, T.K.S. 94, 6049, 8 10150.
Mulczyk, M. 8363, 10950.
Mulder, D.S. 1972.
Mulder, E.G. 12380.
Mulder, N.H. 10279.
Mulenga, R.C. 9192.
Mulhall, A. 8075.
Mulheim, L.J. 1146, 5640.
Mulholland, D. 7172.
Mulholland, J.H. 7203.
Mulholland, M.B. 3289.
Mulholland, S.G. 1374.
Mulira, G. 7280.
Mullan, W.M.A. 2891.
Mullaney, D.T. 9208.
Mullen, E. 4838.
Mullen, J.L. 953.
Muller-Brand, J. 8890.
Muller, B.F. 6972.
Muller, F. 102, 3874.
Muller, H. 11035.
Muller, R. 203, 3570.
Muller, W. 12398.

gan, M E 5401, 9217, 11656
nk, J W M 3560
nk, J.W M A 10725
ns, P R 9935
ngoy, K 1191
an, E N 7304, 12105
mery, R V 11964
T K 13515
fu, C 4445
kata, N 6712
kata, T 301, 375
ie, H.L ,Jr 3396
a, R. 10547
day, P E. 5324, 8007
del, G 13177
he, C.M. 10788
dorff, S.A. 10300.
dy, J 12294.
ekata, M. 4158.
cio, A M. 5999, 8893
yappa, V. 1140, 7305
kenbeck, P. 7926
necke, D.M. 194, 7447, 8649
ns, D.N. 104, 105, 2437,
03, 8405, 13504
oz Guillen, S 5422.
oz, A. 7230
oz, E. 938, 4060, 5766, 9752
oz, J.C. 12019
oz, J J 526
oz, O 6829
oz, W 982
ro, A J 3239
ro, D. 3487.
ro, R. 5374, 6374, 8858, 10699.
ro, V. 11945
si, S.C. 7126.
son, R.S 4524
son, R.S ,Jr 4694, 5597, 6911
ster, E. 1953
zenberger, P.J. 10588.
a, U. 4047, 4052.
ad, F. 5173.
aguchi, T. 6916.
ahashi, I. 10397.
ai, H. 12595.
ai, N. 4136, 7689.
ai, Y. 2782.
akami, A. 8230.
akami, H. 8459.
rakami, K. 6496, 6832, 7752.
rakami, M. 7894.
rakami, S. 6004.
rakami, T 7466.
rakami, Y. 4946.
rakawa, T. 2997, 3021.
ramatsu, I. 4187.
ramatsu, M. 13059.
rao, K. 4821.
rao, M. 777.
rao, S. 3804, 5718, 12595.
raoka, M. 329.
raoka, T. 9964.
ras, V.A. 13435.
rase, N. 7250.
rata, H. 12236.
rata, K. 1791, 4834, 8631, 12402
rata, R. 634.
rata, T. 3055.
ratov, V B 4084, 7629
rayama, A 5305
rayama, Y 7312.
razyan, R I 11991
urch, O. 2379.
urchison, H. 8659, 11289
urdoch, J.McC. 13087
urdock, A.L. 8571.
urgola, E.J. 1448
urialdo, H 5846
urillo, J.L. 6233
urison, I.C. 7040
uriu, D.N. 7280.
uroga, K 4257, 8926
uronosono, E 2103
urooka, H 7
urooka, Y 4931
urphey, S.A. 4498, 5359.
urphy, A.M. 4458.
urphy, C. 8100.
urphy, C.H. 8701.
urphy, D. 7103.
urphy, D.P. 9099, 10461
urphy, E. 8733.
urphy, J.C. 374, 9368.
urphy, J.H. 959
urphy, J.R. 1637, 4282, 7655,
10075
urphy, M. 5087, 13074
urphy, P.T. 1778.
urphy, S. 8956, 8977.
urphy, T.F. 6603, 9310.
urphy, T.V. 8856.
urphy, V.L. 11853.
urr, B.L. 5025.
urr, L.E. 10979.
Murray, B.E. 4217, 5059
Murray, C. 9729
Murray, C.L 1457, 4884, 5708, 6587
Murray, D.L 963
Murray, G 3456
Murray, H E 3854
Murray, J B 5136
Murray, J F Jr 3097
Murray K 9857, 9867
Murray, K A 3526, 13092
Murray P R 305 3775
Murray, R G E 6486
Murray, W D 2634, 5654, 7462
Murrell, W G 87, 5381
Murry, R C 776
Murthy, K G 5047
Murthy, M V V S 2592
Murthy, P S 7608
Murthy, V.S. 444
Murty, S.A.N. 3044
Murzakov, B.G. 11009
Muschiato, A. 12983
Muscoplat, C.C 6128, 10137
Muscroft, T.J. 668, 2037
Musgrave, D.R. 12430
Musher, D 90
Musher, D.M. 2283, 6089, 12018.
Muskavitch, K M.T. 7609
Muslihun, B 7827, 8282.
Musmanno, R.A 1666
Muss, P 7526, 11229.
Mussgay, M. 9828
Mussini, C. 6318
Musso, A. 3514, 6990
Musso, E. 3030.
Musso, R E 9821
Mustaev, A.A. 4901
Mustikkamaeki, U P 5236.
Mutai, M. 5594, 7227.
Muth, L 3465
Muth, W.L 4983
Muthomi, E. 651, 7280
Muthukumar, G. 13503
Mutimer, M.D 4700, 12255
Muto, S. 1428
Muto, Y. 5951
Mutoh, N. 2623, 9710
Mutzel, R. 6741
Muytjens, H 9950
Muzhichenko, A.V 1830
Muzzarelli, A.A. 7623
Mwankemwa, S.A. 13085
Mychajlonka, M. 4179
Myerburg, R.J 7093
Myerowitz, R. 7541
Myerowitz, R.L. 20, 2346, 3323,
3416
Myers, D.A. 1305
Myers, D.M. 9340
Myers, E.R. 411.
Myers, J.D. 12201
Myers, J.P. 1984
Myers, J R 6143
Myers, L.L. 3597, 10652
Myers, M.G 964, 7184
Myers, P. 4721
Myers, R.J.K. 10791
Myhre, E.B. 11559
Myhre, G 7356
Mynbaeva, B.N. 11209
Myrick, B.A. 3789

Naafs, B 9078
Nabbut, N.H 8759
Nace, G.W. 8083, 8084
Nachum, R 6215
Nadir, M.T 10039
Nadirova, I.M 4658
Nadji, M. 7953
Nadkarni, G.B 3087
Nadkarni, M.S 1800
Nadler, K D 9696
Nadol, J B.,Jr. 3342.
Nadudvari, I. 10727.
Naess, V. 9795
Naga, M.A. 3555.
Nagahama, F. 1994.
Nagai, S. 12, 7111, 8775.
Nagai, T. 4175, 6902, 8989.
Nagamatsu, I. 1007, 2016, 7136.
Naganawa, H. 2977, 2992, 3040,
4146, 4192, 7757, 7802
Nagao, T. 3450.
Nagaraja, K.V 9013.
Nagaraja, V. 4984
Nagasaki, T 2841, 2881
Nagasawa, M. 55.
Nagasawa, S. 12702.
Nagasawa, Y. 5188
Nagase, F. 6052, 11626
Nagashima, K. 7735, 7750, 7751,
11370.
Nagata, H. 7796
Nagata, K. 2223, 2316, 4534.
Nagata, K.-C. 329.
Nagata, S 9646
Nagata, W. 7795, 11403
Nagate, T. 10059.
Nagatomi, H. 8756
Nagatomo, H. 10707, 12568.
Nagayama, H. 3314
Nagel, J. 10246
Nagel, J.E. 10212.
Nagel, M. 7369
Nagel, P. 11770
Nagesha, C.N. 237, 2847
Nagi, S. 6614.
Nagington, J. 7955, 8903
Nagy, E. 12820.
Nagy, G. 12385
Nagy, L.K. 9054
Nahas, E. 12120
Nahm, M. 11543
Nahmod, N 2298
Nahrstedt, A. 432.
Naide, Y. 10394.
Naidenov, Y.N. 10439
Naidoo, J. 1757, 6819
Naidu, K.S. 5047
Naidu, R. 6395.
Naidu, S. 886, 6237.
Naiki, M. 8930, 10161, 11537.
Nainan, O. 12679
Nair, R. 9059
Naish, P. 1901
Naito, A. 7497
Naito, S 6052, 6060
Naito, T. 3872, 9940
Nakada, D 5853.
Nakae, M. 5949
Nakae, R 10965.
Nakae, T. 8524, 10965, 12555.
Nakagaki, K. 1745.
Nakagawa, A 296, 2993, 5930, 11346.
Nakagawa, E. 1456
Nakagawa, J -I. 8585
Nakagawa, K 8485
Nakagawa, M 7254
Nakagawa, S. 472, 9940
Nakagawa, Y. 7711.
Nakahama, K. 9620
Nakahara, C 12969
Nakahara, H. 3111, 8865
Nakahara, T. 5639.
Nakai, H. 7751.
Nakai, T. 4257, 8926.
Nakai, Y. 756.
Nakaizumi, M. 7149
Nakajima, K. 7168, 8037
Nakajima, M. 7.
Nakajima, N. 6163
Nakajima, T 6099
Nakamoto, Y 83
Nakamura, A. 4999, 5379
Nakamura, G. 2966, 9917
Nakamura, H 2099, 5696.
Nakamura, I. 7449
Nakamura, K 353, 1634, 3970,
3980, 8551, 10618, 11275.
Nakamura, M. 2715, 5116, 10054,
10055, 10862, 12206.
Nakamura, N 3084, 5342
Nakamura, S. 2971, 3108, 3945,
4162, 5592, 6057, 6287, 7596,
7760
Nakamura, T. 189, 1026, 2046,
2317, 2945, 5618, 9720, 10069.
Nakamura, Y 5305
Nakanishi, M 1026
Nakanishi, T 4011, 7578, 9809
Nakano, H 2956, 3020, 3021,
8234, 11344, 11399
Nakano, K.-I. 3084
Nakano, M. 8974.
Nakano, M M 1648, 7418, 7595.
Nakano, T 2736, 6908, 8981
Nakao, K 329
Nakao, M 336, 3027, 4177
Nakase, Y 6092, 11253.
Nakashima, I 6052, 6060, 11626.
Nakashio, S. 2585, 5592, 6057,
6287, 7760, 9809
Nakatani, T 3927
Nakaya, R. 6716
Nakaya, S. 4234, 5182
Nakayama, A. 12940
Nakayama, H. 12757
Nakayama, J. 11185
Nakayama, K. 2730, 3989, 4833,
7531, 7723, 7732, 7746, 11354
Nakayama, M. 2987, 3574, 3575,
8768, 10149
Nakayama, O. 10049
Nakayama, S. 6090
Nakayama, T. 4016, 10087
Nakayma, O. 1784
Nakazawa, A 4102, 5814, 9674
Nakazawa, F. 4262.
Nakazawa, H. 3067, 3541, 3971,
4040, 6600
Nakazawa, M. 9538, 13386
Nakazawa, S 985, 1743, 3539, 9087
Nakazawa, S.-I. 9087
Nakazawa, T 2867, 5814, 9674.
Nakhapetian, L.A. 12596.
Nalin, D.R. 1401, 6308.
Nallaswamy, R. 10438.
Nam Shin, J.E. 6888
Namasonthi, V. 848.
Namba, K. 3096.
Nambiar, K.R 101.
Namikawa, I. 5626
Namikawa, M. 5642.
Nanayakarra, C.S. 9279
Nandi, A.S. 4644, 6428
Nandi, B. 131.
Nandi, M. 11436.
Nandokha, E. 7280.
Nanninga, H.J. 5561.
Nanninga, N. 7422, 12316, 12357.
Nannini, G. 9949, 9953, 11397.
Nanri, S. 985, 1719, 1752, 4404.
Nanucharyan, D.Sh. 4206.
Naor, N. 10633.
Naprstek, J. 8609, 8617, 8622.
Naqvi, S.H. 10620
Narahara, H 124
Narang, H.K. 2672, 5573.
Narang, S.A. 11324.
Naranyanan, K. 5254
Narayan, K.G. 4686
Narayan, O. 8117.
Narayanan, R. 2556.
Narayanan, R.B. 548, 898
Narayanan, S. 5038.
Nardi, G. 751.
Narikawa, S. 5253, 6016.
Narisada, M. 7795, 11403
Narita, A. 1743, 3539, 9087
Narita, N. 10325.
Naruchi, H. 9001
Narmada, R. 13061
Narucka, U. 1093
Nash, C.H.,III 3051.
Nash, H.A. 4840, 7672
Nash, J.H.E. 12520
Nasnas, R. 4416.
Nasr, M. 7985
Nasreen, S. 12987
Nassif, E. 964
Nastasi, A. 1522
Nasu, M. 1712, 4175, 13354.
Nasu, S 5783, 6631
Nataf, C. 12013
Natale, R.B. 1969.
Natarajan, L.V. 8479
Natarajan, R. 31, 6385, 10917.
Natarajan, V 4025
Nath, I. 898, 1884, 2701, 4759
Nath, S K. 11069
Nathan, C. 6830, 7837
Natori, Y. 2841, 2881
Natzke, R.P 9348
Nauciel, C. 10261
Naudon, J. 3537
Naughten, E. 9166
Naughton, J.L. 4395.
Naujoks-Heinrich, S. 13341.
Nauman, R.K 10147
Naumann, A. 141.
Naumann, D 10960
Naumann, G. 2213, 3448, 8902,
9540, 9965
Naumann, P. 13344
Naumenko, A.M 9202
Naumova, I.B 12698
Naumovski, L. 4995, 5006
Nauta, W.T 1774
Nautiyal, C.S 3952, 3984
Navarova, J. 12678
Navarre, L. 10477
Navarro, C.E K. 2378
Navarro, J.M. 2651, 9815, 12692.
Navarro, M. 10010.
Navarro, M.T. 8778.
Navashin, S.M. 7714, 7840,
9880, 10011
Naveau, B. 3527.
Navia, J.M. 1962
Navin, J.J. 2070.
Navone, C. 11886
Navratil, O 9881
Navre, M. 11262
Nawachi, K. 2094
Nawrath, I 7764
Nayak, D.N. 2435, 5511
Nayak, D.P. 1624
Nayar, M. 2172
Nayeem, M. 3562
Nayla 85
Nayudu, M. 2918, 10001
Naz, R.K 3595
Nazar, R.N 8505
Nazari, S. 10593
Nazarov, N.M 1759, 13073
Nazarov, V.G. 545.
Nazarova, L.S. 1825.
Nazina, T.N. 11014, 12394, 13492
Ndiaye, A.M. 3564
Ndiaye, B. 2193.
Ndimande, B. 5494
Ne'eman, Z. 8371
Neal, P. 2279.
Neale, S. 1628.
Nealson, K.H. 1695, 7477.
Nebane, C.L.N. 4611.
Nebola, M. 1282.
Nedoboy, P.N. 5348.
Nedwell, D.B. 3739, 12713.
Needham, J.R. 7281.
Neel, H.B.,III 792.
Neess, H.C. 2308.
Nefedieva, G.N. 6947.
Nefedov, V.G. 12452.
Nefelova, M V. 11207, 12873.
Negi, S.S. 196.
Negosanti, M. 7049.
Negrut, E. 5905.
Nehaul, B.G. 3429.
Neidhardt, J.-H. 10600.
Neil, G.L. 2990.
Neiland, K 1063.
Neilands, J B. 2413, 5731, 11120.
Neill, S.D. 2757, 4536, 6351.
Neimann, J.L. 3497.
Neirinck, L.G. 349.
Neklyudov, A.D. 12569.
Nekrashaite, G.I. 12633.
Nekrep, FV. 5929.
Nel, E.E. 6144.
Nelson, B.C. 1031.
Nelson, D.R. 227, 1571, 5194.
Nelson, D.T 2343.
Nelson, J. 12728.
Nelson, J.D. 2151, 4434, 5088,
5344, 6069, 7073, 7209, 9180,
11845
Nelson, K.E. 11668.
Nelson, L.M. 2450.
Nelson, P.J. 4665.
Nelson, R.D. 9308
Nelson, R.E. 1722.
Nelson, R.J. 8041.
Nelson, S.D. 5238.
Nelson, S.M. 8821.
Nelson, S.O. 8464.
Nelson, W.H. 56.
Nemcova, M. 8201.
Nemes, G. 13344.
Nemirovskaya, N.I. 12499.
Nenashev, A.A. 2303.
Nene, V. 6687.
Neri, G. 12983
Nerius, I. 2171.
Nermut, M.V 5690
Nerurkar, C.B. 6836, 6837.
Nervig, R.M. 10705.
Nery-Guimaraes, R. 6240.
Nes, I.F 8819.
Nesbitt, H.J. 1155, 3678.
Nesbitt, W.E 6666, 8398.
Neser, J.A. 12070.
Neshchadim, G.N. 11452.
Neslund, G. 9715.
Nesmeyanova, M.A. 12583, 12661,
12669.
Nespoli, A. 10549.
Ness, G.E. 8239
Nester, E.W. 2905, 6769, 7686, 7691.
Nesterenko, O.A. 12313.
Nesternko, O.A 13519.
Nesterov, A.I. 12263, 12271.
Nesvera, J. 8742, 9878
Nesynova, L.I. 12378.
Neter, E 780, 3449, 3777, 7921
Netter, P. 5400.
Nettles, V.F. 5478, 10691
Nettleton, D.E. 7724, 9983.
Neu, H 11391
Neu, H.C 345, 1703, 1765,
2323, 4532, 5084, 8825, 9954,
9960, 9961, 11405, 11940.
Neubauer, M. 11523.
Neuberger, M.S. 12771.
Neufang, H. 11035.
Neufeld, R D 436.
Neuhard, J. 5816.
Neuhaus, B 6824
Neuhaus, F.C 6675.
Neuhaus, J.M. 8525, 8553
Neuman, M. 5921.
Neumann, E. 2171, 2676, 5691
Neumann, G. 13280
Neumann, H H 928, 13228
Neuss, N. 7788, 11349, 11401
Neutze, J.M. 11888
Neuzil, E. 4726, 10477
Nevarez, M. 1718, 7004.
Neves, M.C.P. 1226
Neveux, E. 8045

Nevot, P. 3105, 5081.
New, P.B. 8343.
Newborg, M.F. 1900.
Newbrun, E. 730.
Newcomb, W. 12125, 12127.
Newcomer, M.E. 4818.
Newell, R. 1274.
Newell, R.C. 127, 12156.
Newell, S.Y. 3733
Newhook, F.J. 4627, 10875.
Newhouse, V.F. 2285.
Newland, J.C. 1876.
Newman, A. 7989.
Newman, B.M. 2875.
Newman, E.B. 7656.
Newman, E.I. 1161
Newman, H.N. 10299, 11690.
Newman, J.A. 1071, 9013.
Newman, K.A. 9205, 11920.
Newman, M.G. 1955.
Newman, M.J. 4831.
Newman, P.K. 4370.
Newman, P.R. 9039
Newman, R. 5426.
Newman, T. 2873.
Newman, W. 5402.
Newsholme, S.J. 3644.
Newton, A. 8439, 12751.
Newton, C.W. 1265.
Newton, J.Y. 8986.
Newton, R. 9166.
Newton, W.E. 9480
Neyra, C.A. 3831.
Nezelof, C. 10190.
Ng, T.K. 125, 2747.
Ng, W.L. 684.
Ng, W.S. 344, 12915.
Ngeow, Y. 927.
Nghiem, H.O. 10158.
Ngui-Yen, J.H. 2955.
Nguye, B.Y.T. 1331.
Nguyen Bui, M. 2403.
Nguyen, B.K. 7195.
Nguyen, B.T. 6088.
Nguyen, F. 9127.
Nguyen, J. 5052.
Nicholas, D.J.D. 4018, 4736, 4921, 6515, 8404, 12466.
Nicholas, P. 3553
Nicholas, R. 7107.
Nicholls, M.J. 4554.
Nicholls, T.J. 5462, 7279.
Nichols, B.L. 1401, 2240, 8959.
Nichols, B.P. 1460.
Nichols, C.W. 3424.
Nichols, R.L. 2200, 6210, 10566
Nicholson-Weller, A. 11629.
Nicholson, A.W. 12527, 12528.
Nicholson, E. 908.
Nicholson, J. 3571.
Nicholson, J.W.G. 12416.
Nicholson, S.S. 13365.
Nick, H. 11293
Nickels, D. 12068.
Nickels, J.S. 3734, 4650, 10803.
Nickerson, K.W. 4955
Nickerson, S.C. 2393
Nicklas, W. 7847, 11449.
Nickle, E.C. 7549.
Nickol, A.D. 6138, 11569.
Nicolai, H.V. 8621.
Nicolaides, E.D. 3022.
Nicolari, J. 4570.
Nicolas, F. 11900.
Nicolas, J.A. 9061, 11644.
Nicolaus, B. 8643.
Nicolay, K 146.
Nicolay, K. 5694, 11027.
Nicolet, J. 1892, 3634, 9326.
Nicoletti, M. 3991, 7777.
Nicoletti, P. 2341, 6785, 6796, 7032, 10393.
Nicolis, G.D. 2013.
Nicolle, A. 1081.
Nicolle, L.E. 3410, 8795.
Nicolson, T.H. 9479.
Niculescu, D. 3171, 3172, 3173, 8939
Niculescu, M. 4430.
Niculescu, T. 1980.
Nida, S.K. 6001
Nida, T. 7809.
Niebloom, T.A. 5097.
Niederau, W. 11439.
Niederman, R.A. 8376.
Niefield, S.L. 7001.
Niehues, U. 7056.
Niels le Soueef, P. 3554.
Nielsen, A.M. 8413.
Nielsen, B. 5979.
Nielsen, E.K. 7941.
Nielsen, H. 11615.
Nielsen, H.O. 3400.
Nielsen, J.B.K. 1551, 12673.
Nielsen, J.L. 6136.
Nielsen, J.O. 3427.
Nielsen, K. 502, 1068, 7909, 11572.
Nielsen, S.E. 9118.
Niemann, E.-G. 5143.
Niemi, M. 12186
Nienhaus, F. 8151, 8152, 8154.
Nierhaus, K.H. 2711, 5942, 11065.
Nierlich, D.P. 5726.
Niesslbeck, P. 3741.
Nieste, H.L.J. 5330.
Nieswand, M. 6373.
Niethamer, T. 10984.
Nieweg, H.O. 10279.
Nigam, J.N. 2815
Nigro, N. 3514, 9241.
Niida, T. 2970, 2973, 5038, 11364.
Niino, K. 1743, 3539, 9087.
Niitu, Y. 3314.
Nijkamp, F.P. 13366.
Nijkamp, H.J.J. 5876.
Nikaido, H. 246, 2728, 5008, 8527.
Nikiforov, V.N. 589.
Nikitas, J.A. 6248, 10440, 13224.
Nikitin, G.A. 12307.
Nikitin, L.E. 11220.
Nikitina, E.P. 12174.
Nikkawa, T. 6454.
Nikodemusz, I. 9136, 10030, 10819, 11973, 13531.
Nikoevska, T.A. 8625.
Nikogosyan, D.N. 275.
Nikolaev, G.M. 12475.
Nikolaev, P.I. 232.
Nikolaev, T.M. 10729.
Nikolaeva, I.S. 10063
Nikolaeva, L.V. 10011.
Nikolaeva, T.N. 8972.
Nikolenko, Yu.I. 12271.
Nikolopoulos, D. 11739.
Nikolov, N.D. 4543.
Nikolov, P. 6644
Nikonenko, V.U. 108.
Nikonova, N.A. 13069.
Nilan, R.A. 2816.
Niles, A.C. 3775.
Niles, R.M. 10132.
Nilsson, B.O. 1841.
Nilsson, B.S. 13126.
Nilsson, C.G. 10395.
Nilsson, K.O. 6219.
Nilsson, L. 12526, 13068.
Nilsson, L.A. 5463
Nilsson, L.B. 11957
Nilsson, L.O. 3462
Nilsson, S. 852.
Nilsson, U.R. 533.
Nilveus, R. 6157.
Nimi, O. 1466, 2717, 7720, 8745, 8784, 11367.
Nimmich, W. 7920, 8902, 9540.
Ninane, G. 10482.
Ninet, J. 2221, 3461.
Ninfa, A. 8672.
Ninomiya, K. 1724.
Ninomiya, T. 760.
Nio, Y. 8037.
Nisbet, D. 5079.
Nisbet, L.J. 1732.
Nisbet, T.M. 5633.
Nishhitsutsuji-Uwo, J. 1834.
Nishi, H. 760
Nishi, T. 336.
Nishibuchi, M. 12059.
Nishida, M. 2997.
Nishida, N. 670, 1918.
Nishida, S. 5592, 6057, 6287, 7760.
Nishihara, T. 2677, 5607, 5608, 8453, 8592 9809.
Nishii, M. 4957.
Nishiitsutsuji-Uwo, J. 10095, 10096.
Nishijima, M. 4952.
Nishikatsu, K. 9955.
Nishikawa, D. 2725.
Nishikawa, J. 7716, 7717.
Nishikawa, K. 8983.
Nishikawa, T. 6832.
Nishikiori, T. 2984.
Nishimaki, T. 11201, 12635
Nishimori, K. 4095.
Nishimoto, Y. 7360, 10854.
Nishimura, A. 2911.
Nishimura, H. 4744.
Nishimura, J.S. 12609.
Nishimura, M. 3814, 11174.
Nishimura, R.D. 9785.
Nishimura, T. 354, 2191, 4156, 5099, 5487, 7712, 9816
Nishimura, Y. 1730, 2911.
Nishino, M. 11359.
Nishino, T. 5718.
Nishio, A. 3193, 3194
Nishio, M. 1202
Nishio, N. 12.
Nishio, T. 1724, 8195.
Nishira, H. 4856
Nishiyama, Y. 6894, 12052.
Nishizawa, K. 95.
Nishizawa, N. 4150.
Nishizawa, Y. 6614.
Nishizuka, K. 8775.
Nisho, A. 10106.
Nisizawa, K. 7.
Nissen, T.V. 8206.
Nissila, M. 7941.
Nissle, R.R. 6951.
Nitiyanant, P. 5318.
Nitskansky, S.G. 10649.
Nitta, M. 6082.
Nitzan, M. 4493
Nitzan, Y. 1750.
Niwa, S.I. 4946.
Niwa, T. 2970, 7722, 11190.
Niwano, K. 12238.
Niwano, M. 5637.
Niyogi, S. 2039.
Nizhegorodova, L.E. 1238.
Nkouka, N. 6397.
Noack, D. 5021, 9883, 10004, 12875.
Noble, C.J. 10484.
Noble, M.A. 1753, 3321.
Noble, V. 3377, 10283.
Noble, W.C. 1924, 4148, 6102, 6819, 10501.
Noborihayashi, K. 119.
Nocoletti, P. 6786.
Noda, K. 2060.
Noda, M. 6047, 8725, 10074.
Noegel, A. 9888.
Noel, K.D. 12731.
Nogales, M.C. 9968.
Nogami, T. 1636, 8535.
Nogge, G. 7291.
Nogina, T.M. 12313.
Noguchi, T. 4137.
Nogueira, S.A. 11732.
Nohira, C. 1007.
Nohrstedt, H.O. 8179.
Nohynek, M. 8618.
Noi, Y. 7168.
Nojiri, C. 7702.
Nokelainen, M. 12814.
Nolan, C.M. 7079, 10117.
Nolan, L.L. 1811.
Nolan, S.M. 887, 995.
Nolan, T.F.,Jr. 661.
Noller, H.F. 2850, 6596.
Nolte, F.S. 2762.
Nolte, H. 5977.
Noltemeyer, M. 11247.
Noma, A.T. 7530.
Nomani, A.A. 2483.
Nomi, R. 1466, 2717, 7596, 8745.
Nomiyama, H. 160, 2715.
Nommik, H. 3712.
Nomoto, K. 1882, 1903, 5180, 5181, 5208, 7931.
Nomura, M. 1446, 6699, 7510, 12514.
Nomura, N. 7690.
Nomura, S. 12914.
Nomura, Y. 5188.
Nonaka, T. 5607.
Nonomura, H. 7871.
Noone, P. 1317, 8857, 9200.
Noordermeer, I. 2858.
Noorlander, D. 2347.
Noorlander, D.O. 3586.
Noorle-Jansen, L. 10221.
Noparatnaraporn, N. 6614.
Norberg, A.B. 12700.
Norcross, N.L. 499.
Nord, C.-E. 11654.
Nord, C.E. 1920, 7101, 9069, 9566, 9602, 10036, 10282, 10286, 10499, 11709, 11893, 12943, 13106, 13178.
Nord, N.A. 4301.
Nordelo, M.A. 7240.
Norden, C.W 404, 12889.
Nordenbo, A.M. 907.
Nordenram, A. 13106.
Nordheim, E.V. 12121.
Nordin, J. 964.
Nordin, K. 1933.
Nordling, J. 876.
Nordlund, S. 2774, 3488.
Nordstroem, K. 1689, 11321, 12811.
Norfleet, R.G. 7172.
Norgard, M.V. 5872.
Norin, K.E. 6936, 6938, 6939.
Norkina, T.Yu. 2214.
Norkrans, G. 10514.
Norlander, L. 8938.
Norlen, B. 2050.
Norling, B. 3403.
Normand, I.C.S. 10416.
Normark, S. 2878, 6705.
Normier, G. 1444, 3244.
Norn, S. 12026.
Noro, T. 4519.
Norrby, E. 6084.
Norrby, R. 1702, 11897, 13218.
Norris, J.R. 140, 8475, 12481.
Norrod, E.P. 2522.
North, R.J. 1900.
Northfield, T.C. 7984.
Northup, J.K. 6003.
Norton, B. 5374.
Norton, H.W. 1075.
Norval, R.A.I. 3599.
Noscov, A.N. 4231.
Nosoh, Y. 9767, 11183.
Notani, N.K. 2953, 2954, 3893, 5883.
Notbohm, H. 9705.
Notelovitz, J. 4473.
Noterman, J. 888.
Notermans, S. 5994.
Noto, T. 7715, 7810, 8049, 11360, 11421, 11931.
Nougayrede, P. 3078.
Noumi, T. 6722.
Nour, A.M. 3555.
Nouws, J.F.M. 1093.
Novak, B. 13466, 13467.
Novarino, M. 5048.
Novelli, G.D. 5891, 8669.
Novembre, E. 10631.
Novich, N.J. 5653.
Novick, R.P. 5869, 6737, 8733, 9840, 9901, 11046, 11308, 12833.
Novik, S.N. 12138.
Novikov, V.V. 12563.
Novikova, A.T. 5517.
Novitsky, J.A. 8220.
Novogrudskaya, E.D. 9914.
Novotna, Z. 10044.
Novotny, J. 7898.
Nowak, M. 1127.
Nowak, N.A. 5990.
Nowinski, R.C. 8928.
Nowotny, A. 554.
Nowrousian, R. 11775.
Nozaki, H. 3450.
Nozaki, M. 4033, 12607.
Nozawa, M. 8575.
Nozawa, T. 3867.
Nozawa, Y. 1805.
Nsanzumuhire, H. 2135, 6177.
Nsibambi, J. 696.
Nualart, L. 9859, 11291.
Nuchamowitz, Y. 398.
Nudelman, A. 3019.
Nueesch, J. 7741.
Nuesh, J. 12198.
Nugent, M.E. 1748, 5878, 5894.
Nugmanova, D.S. 6087.
Nuka, O. 762.
Nuki, K. 6159.
Nukina, M. 355.
Nunez-Montiel, O. 7017.
Nunez-Montiel, O.L. 4068.
Nunez, E. 1829.
Nunn, J.R. 4945.
Nunn, W.D. 1617, 4853, 6719.
Nur, I. 1430, 3701, 3725.
Nurchi, A.M. 11846.
Nurmi, T. 1693.
Nurmiaho-Lassila, E.L. 3817.
Nurminen, M. 68, 3255.
Nurse, K. 9685.
Nusbaum, K.E. 3001.
Nussbaum, E. 11730.
Nussler, E. 2092.
Nuti, M. 697.
Nutini, L.G. 12389.
Nutman, P.S. 3717, 10776.
Nutsbidz, N. 1170.
Nuttall, I.D. 2086.
Nutting, J. 5374.
Nuutinen, P. 5404.
Nuyten, A. 6553, 6554.
Nwaonu, H.N. 13362.
Nwufoh, K.J. 1736, 4559, 9357.
Nwufor, K.J. 9341.
Nyabenda, J. 6183.
Nyack, B. 7246.
Nyberg, G.K. 6843, 12947.
Nyborg, M. 10800
Nydegger, U. 9420, 10737.
Nydegger, U.E. 11127.
Nyerges, G. 6934.
Nygaard, K. 666.
Nygren, H. 7927, 11129.
Nyland, G. 1327, 8899, 10744, 11486.
Nyman, S. 12047.
Nystroem-Rosander, C. 11743.
Nystroem, P.O. 10381.

O'Boyle, D. 380, 13399.
O'Brien, A. 7558.
O'Brien, J.J. 1084, 4536, 6351.
O'Brien, M. 2566
O'Brien, P. 8237.
O'Brien, P.C.M. 75, 76, 81, 82.
O'Brien, R.W. 9735.
O'Brien, T. 3983.
O'Brien, T.A. 5919, 1114
O'Brien, T.F. 3446, 10062
O'Callaghan, U. 8040.
O'Connell, C.J. 2079.
O'Connell, E.J. 792.
O'Connor, H.J. 8040.
O'Connor, M.J. 11998.
O'Connor, S. 10533.
O'Donnell, E.D. 8766.
O'Donnell, M.J. 10186.
O'Donnell, S. 1849, 7490,
O'Donovan, G.A. 205, 153 6635, 12812.
O'Dwyer, W.F. 2315.
O'Grady F. 351.
O'Hara, G.W. 3714, 4622
O'Hare, A.E 8012.
O'Herron, F A. 7724, 9983
O'Keefe, D.P. 4782.
O'Keefe, J.P. 10033.
O'Leary, M. 3983
O'Neil, A.G.B. 6935.
O'Neill, E.M. 6331.
O'Neill, P.A. 718.
O'Reilly, J.F. 6266.
O'Reilly, M. 1679.
O'Shaughnessy, M. 3394.
O'Shea, J. 10673.
O'Sullivan, B.M. 10674.
O'Sullivan, J. 8754.
O'Sullivan, R.A. 12442.
Oakes, S.G. 9578.
Oakley, R.H. 739.
Oatman, E.R. 8131.
Obaidullah, M. 5265.
Obara, Y. 6454.
Obaton, M. 4645.
Obayashi, T. 12969.
Obenauf, R.N. 13024
Oberhofer, T.R. 3806.
Oberlander, T.M. 6415.
Oberling, F. 3144.
Obernesser, H.-J. 11141, 111
Oberti, J. 11565.
Oblisami, G. 7319.
Obojsaka, K. 9997.
Oborin, A.A. 13519.
Obraztsova, A.Ya. 12140, 13
Obuekwe, C.O. 6524, 12406
Obukowicz, M. 2407.
Ocampo, J.C. 2337.
Occhionero, M. 9513.
Occolowitz, J.L. 6774.
Ochi, K. 5896, 6532, 9647, 1
Ochiai, K. 1124.
Ochoa, G. 9033.
Oda, H. 3863, 6522, 6531.
Oda, K. 1278.
Oda, M. 46, 7633, 7634.
Oda, T. 4758, 6877.
Odakura, Y. 7732, 7746.
Odani, T. 3096.
Odebralski, J. 6621.
Odegaard, K. 7356.
Odham, G. 9573.
Odier, E. 1385.
Odinzov, V.B. 3912.
Odlasek-Kunstelj, L. 3393.
Odlaug, T.E. 1764.
Odom, O.W. 2705.
Odom, R.B. 11520, 11521.
Odstrchel, G. 9805.
Odu, L. 9974.
Odugbemi, T.O. 842, 1731.
Odum, L. 11533.
Oeberg, M. 6017.
Oedegard, O.R. 11211.
Oedum, L. 1316.
Oegaard, A.A. 11522.
Oehling, A. 748.
Oehlmann, L. 8428.
Oehrens, E. 7859.
Oellig, W.P. 3494.
Oelze, J. 8469.
Oerskov, F. 6499, 10200, 130
Oerskov, I. 6499, 10200, 130
Oerstavik, I. 8965.
Oertel, W. 9887.
Oesch, F. 1603.
Oeschger, M.P. 10264.
Oesterberg, R. 3899.
Oesterhelt, D. 2674, 3873, 74
Oeye, I. 11517.
Oezkal, E. 879.
Ofek, I. 6672, 8381.
Ofengand, J. 7513, 12529
Offengand, J. 9685.
Offenstadt, G. 10463.
Officer, J.L. 4659.
Offner, M. 5436.
Ogan, M.T. 9451, 10801.
Ogasahara, K. 7610.
Ogasawara, N. 11050.

hiwa, M. 11353.
a, E.S. 11898.
a, M. 3565, 3957, 5202,
  60, 12568
a, S. 270, 6668
wa, H. 844, 864, 3927, 7682,
  61, 11455
wa, I. 2752.
wa, K. 3346, 7299
wa, M. 1708, 8452, 9955
wa, N. 2321
wa, T. 475, 3927, 4754,
  950, 7458, 8775, 11518
wa, Y. 488, 489, 3004, 3793,
  159, 11364
wara, H. 1648, 2780, 2795,
  367, 4194, 5918, 6600, 7418,
  594, 7595
len, M.E 13319
r, C. 9561.
lvie, A. 5709
no, H. 4149, 4150, 4155.
e, L.C. 5385.
a, P. 780
odnick, A. 12486
chi, T. 254
uma, K 10067
unbi, O. 2269
unji, F.O. 4548
ura, H. 365
ura, K 2791, 3948, 3964
ura, M 214
uri, T. 4687, 7763
urusu, T. 4787
wu, D 2367, 7269
, W. 10630
, Y.K. 3051
ara, H. 4154.
ashi, M. 8455.
ashi, Y 298
at, S. 3950
ayon, H. 4221.
ba, K 2973, 11190
ba, M. 1806, 2536, 6466
ba, N 7722
e, A 1008
e, T 2804
gi, K 3949
gke, H 10821
i, H 1918
hi, K 9816
hira, S 11922
hishi, I 5167, 6000
hishi, M 7111.
hkawa, I. 6732.
hki, K. 7149.
hki, M 10069
hkishi, H. 2725
hkubo H. 5838, 9720
hkubo, S. 7729
hkubo, T. 5218, 13414
hkura, K 1025
Ohlendorf, D.H. 5736, 9713
Ohlsson, A. 3549
Ohlsson, H. 11812.
Ohm-Smith, M.J. 11407
Ohman, A.E. 11687
Ohman, D.E 9664
Ohnishi, Y 5860, 12470, 12774
Ohno, K 4922, 7409
Ohno, M 1784, 4154
Ohno, N. 6514, 8442
Ohnuki, Y. 10087
Ohsaka, A. 1379
Ohsawa, E. 8774, 12901
Ohsawa, H. 9676
Ohshima, H 5622.
Ohshima, J. 8774, 12901
Ohshima, K. 843
Ohshima, M. 1429, 6563
Ohshima, T. 1552
Ohsue, K. 4137.
Ohsugi, M. 2842, 5642, 5793
Ohsumi, H. 13336
Ohta, A. 1602, 1622
Ohta, H. 6536.
Ohta, K. 2988, 6854, 8284, 9543.
Ohta, M 6052, 6060, 11626.
Ohta, N. 12751.
Ohta, S. 2867, 3871
Ohtaguchi, K 4616
Ohtani, M. 7795, 11403
Ohtani, T. 8485
Ohtomo, N. 10075, 10103.
Ohtomo, T. 6016
Ohtsubo, E. 7685
Ohtsubo, H 7685
Ohtsuka, E. 1456, 12538, 12545
Ohue, T. 3108.
Ohura, K. 6354.
Ohwada, K. 1236, 1237
Ohya, K. 8234.
Ohya, S. 5920, 8814, 9763.
Ohyama, A. 328.
Ohyama, K. 3804, 4140
Ohyama, T. 2436.
Oikawa, K 6016
Oikawa, S 4137
Oikawa, T. 4404
Oill, A.P 862
Oishi, H. 7715, 7810, 11360,
  11362, 11421.
Oishi, K. 4837, 5201, 12824, 13044.
Oishi, M. 10492
Oitmaa, M. 6775
Oiwa, R 296, 2984, 2993, 9912.
Oizumi, K. 10029
Ojofeitimi, E.O 11655.
Oka, A. 8700
Oka, S 1743, 3539.
Oka, T 322, 7725
Oka, Y. 2976
Okabe, E. 7, 6873
Okabe, K 3033
Okabe, T. 7712.
Okachi, R. 7725
Okada, H. 843, 2101, 3836
Okada, J. 7763, 12238, 12402.
Okada, M 6639
Okada, T. 7795, 11403
Okada, Y. 4740, 5732, 7814.
Okado, I. 6287
Okahira, A. 4946
Okajima, Y. 12555
Okami, Y. 3054, 3068
Okamoto, H 759, 11792.
Okamoto, K. 794, 10068, 11482
Okamoto, M 7637
Okamoto, R. 8351, 8952, 12908,
  12918
Okamoto, Y. 4175
Okamura, K. 11359
Okamura, M.Y. 8478
Okawa, Y. 13390
Okazaki, H. 2988, 7715, 7810,
  8049, 11360, 11421, 11931
Okazaki, M 9816
Okazaki, N 5609, 12401
Okazaki, T 4160
Okekawa, O. 3032, 4183, 4184, 4185
Oken, M.M 9204, 11511
Okerman, L. 3248, 10929
Oki, T 299, 2957, 2963, 2969,
  2977, 2992
Okimoto, Y 5379
Okimura, Y 3798, 9942
Okinaga, K. 5376
Okino, F C 6128
Okino, T 3743
Okita, T W 6713.
Okma, B.D 1093
Oko, T. 4146
Okon, M.S 2707
Okon, Y. 1430, 3660, 3669,
  3701, 3725, 8258, 12096, 12099
Okonogi, K. 346
Okone, A.U 6326
Oksanen, H 483.
Oktyabrsky, O.N. 12465
Okubo, Y 10187
Okuchi, M 2987, 7734, 11357
Okuda, H 2094
Okuda, K. 1363, 1381, 6146,
  6953, 8629
Okuda, S. 4852, 5738, 7640,
  9800, 12635
Okuhara, M 9980
Okumura, H 8366, 8443
Okumura, S 2961, 6287, 7760
Okumura, T 3973
Okuni, M 6261
Okuno, Y 9452
Okura, K 2134
Okuzumi, M. 7640
Ola Ojo, M. 1736
Olafsen, J A 10972
Olarte, M R 13217
Olay, T. 330, 362
Olcen, P. 2251.
Old, D.C 40, 2554, 2561, 2570,
  5623, 10165
Oldershaw, M.D. 10872
Oldfield, G.N 10750, 13438
Olds, G R. 3225.
Oledzka, K 4566
Olegard, R. 492
Oleson, A.E. 3972
Olexy, V.M. 5956
Olien, C.R 5506
Olijhoek, A.J.M. 12316.
Olin, P -E. 3525
Olins, P.O 12514
Oliphant, J. 9041.
Oliphant, J.C. 3170, 3249
Oliva Aldamiz, H. 877.
Olivares, J. 10777
Oliveira, M.S 1835
Oliveira, R.G.B 295
Oliver, D. 6697, 8533
Oliver, D.B 267, 4120.
Oliver, G. 1512, 3951
Oliver, J. 456
Oliver, J.A. 10413
Oliver, J.D. 4487, 6439
Oliver, R.S 7754.
Olivier, G. 48, 3598.
Olivo, R. 4349
Ollerhead, G.E. 9361
Olley, J. 5649.
Olling, S. 2091, 4293, 5260.
Ollington, J.F. 1613, 2874
Olmstead, C.C. 9559
Olovyanishnikov, O.V. 7076.
Olsen, D 6058
Olsen, D.A. 1876.
Olsen, G.N. 1979
Olsen, I. 715.
Olsen, K.D. 9490
Olsen, R.K 8513.
Olsen, T.G. 11665.
Olsiewski, P.J. 3808
Olson, A. 4335.
Olson, B.H. 4647, 9434, 12962.
Olson, D.A. 887, 5444
Olson, G. 2208
Olson, G.J. 128, 1378, 12615
Olson, J.M. 4779, 8471.
Olson, L.C 534.
Olson, L.D. 1057, 3607, 10690.
Olson, N.O. 6050.
Olson, R.J. 10804
Olson, R.M.,Jr 1453.
Olson, S. 1015
Olson, V.M 3092.
Olsovsky, Z. 5545.
Olsson-Liljequist, B. 303, 10036.
Olsson, A 4367.
Olsson, B. 1746.
Olsson, E. 8874, 9230.
Olsson, J. 552, 9014
Olsson, J.M. 11937
Olsson, O. 6705
Olsvik, O. 1848, 2534, 3805,
  5161, 5991, 11118, 11211,
  11517.
Olsvik, Oe. 11522.
Oltmann, L.F. 8626, 12727.
Olubunmi, P.A. 6375
Olumide, A.A. 10493
Olwochi Bungoma, J.P.S. 7260
Oman, P W. 13430.
Omanga, U. 3486.
Omland, T. 5161, 5991
Omoto, S. 2973, 4149, 4150,
  4155, 7809, 11364.
Omura, S 296, 2958, 2972.
  2984, 2993, 3032, 3989, 4156,
  4164, 4183, 4184, 4185, 5899,
  5930, 7501, 7517, 7531, 7711,
  7745, 7755, 7758, 8782, 9912,
  11064, 11089, 11330, 11346,
  11366, 12872
Onaderra, M 8893.
Onaga, H. 5188
Onderdonk, A.B. 11491, 11574.
Ondrias, M.R 11157
Ong Wah Kim, H. 11025
Ong, G B. 3481
Ong, S L. 11248
Onishi, J C. 8376
Onishi, T. 6071
Onji, T 495, 5170.
Ono, E. 8944, 11537
Ono, K 2536
Ono, T. 4137, 5860, 11174.
Onoki, H. 11894
Onokodi, J.K. 12457
Onon, E.O. 10066
Onore, G. 6397
Onoue, H. 7795, 11403
Onoviran, O 11628
Ontlova, A. 2764
Onuma, K. 10029
Onuora, C.A. 9058
Onyekewlu, L.U. 133.
Ooi, T. 4835
Ooishi, M. 8775.
Ooka, T. 12945
Ooms, G 5037, 9419, 12807, 12825.
Oort, J 4284
Oosterhof, D.K. 4043
Oosterom, J. 2377, 4655
Oostra, B.A. 2708, 4820
Opdebeeck, J 499.
Opferkuch, W. 5958, 9962.
Oppenheim, A.B. 5030
Oppenheimer, E.H. 7078
Oppermann, R.V 435
Opsjoen, H. 5421.
Oquist, C.A. 3371.
Oragui, J.I. 1264.
Oranje, J.P. 12392.
Oranje, P. 8925
Oravec, C. 10500.
Orbach, M.J 5848
Orchard, V. 6371
Orci, L. 6018.
Ordal, G.W. 8385, 11176.
Orden, B. 6797
Orecchio, F. 224.
Oremland, R.S. 1576.
Oremus, P.A.I. 4638.
Orenstein, W A. 3437, 4406
Oreskovich, M.R. 10534
Orfila, J. 9972.
Orgain, C. 6152.
Oriel, J.D. 8005, 9198, 13191,
  13236.
Orikasa, S. 5239, 5328, 11598,
  11829.
Orkin, L.R. 3152.
Orlina, E.A. 6893, 7085
Orloff, S. 569.
Orlova, N.V. 7840.
Orlowska, G.W 1842.
Orme-Johnson, W.H. 4927, 8518.
Ormerod, J.G. 9727.
Ormonde, N.W. 849.
Ormsbee, R.A. 10914.
Orndorff, P.F 5610.
Orning, A.P. 1112.
Ornston, L.N. 1353, 5747, 7560,
  9836
Oro, G. 11757.
Oronzo, G. 3035, 7805.
Orr, D. 5115.
Orr, J.P. 5456, 8113
Orr, T. 220
Orrison, L.H. 61, 3779.
Orsi, A. 6796.
Orsi, N. 8830
Orskov, F. 3371, 10145.
Orskov, I. 3371, 10145
Orsolini, P. 6801, 7150, 9761.
Orstavik, D. 11682.
Orstavik, I. 6994
Ortega Cerda, J.J. 2247
Ortel, S. 7385
Orthuber, H. 12486.
Ortisi, G. 7006, 8783.
Ortiz De Zarate, J.M.M. 9139.
Ortiz, A.M. 4303, 6081.
Ortiz, J.M. 7836.
Ortiz, O.B 10556
Osada, K. 5744.
Osada, M. 2342.
Osada, Y. 5889, 6750, 8961, 11455.
Osadczyi, D. 4397.
Osajima, K. 2829
Osborn, M.F. 6218.
Osborn, M.J. 5324.
Osborne, A.D 2356, 3568, 5456.
  8113, 9362
Osborne, B. 827.
Osborne, D.R. 8059.
Osborne, J.C.,Jr. 4234, 5182.
Osborne, L.L. 9487
Osburne, M.S. 12407
Osegbe, D.N. 2161.
Osei, L 4522
Oshima, M. 3622, 7109.
Oshima, T. 4137, 8491, 8654.
Osinowo, O. 6184
Osland, A. 1868, 1869, 12564.
Osman, S.F. 12091
Osnitskaya, L.K. 12594.
Osoba, A.O. 2173.
Osono, T 289, 2976, 9966
Osori, D.I. 2367
Osori, D.I.K 7269.
Ossa, G. 11887
Osseiran, M. 1699
Ostendorf, P. 9301, 13277.
Oster, H 3475
Oster, H.A. 2061, 7164
Osterholm, M T. 9785, 10102,
  10116, 10120, 10125, 11490.
Osterman, A.L. 11213.
Osterman, C.A. 10532, 10535.
Osterman, J.V 5215.
Ostervold, B. 7787.
Ostle, A.G. 8275.
Ostrander, J.M. 7632.
Ostri, P 10451.
Ostroumov, S.A. 8447
Ostrovskaya, E.A. 981
Ostrovskaya, L.K. 7425
Ostrovskaya, Z.S. 10486
Ostrovskii, D.N. 12484
Ostrovskij, D.N. 12302, 12999
Ostrovsky, D.N. 5809
Ostroy, P.R. 3482.
Osuga, T. 1744, 5063
Osumi, T. 12646.
Ota, H. 2016.
Otake, N 2972
Otani, M. 3032, 4185.
Otani, S. 568
Otani, T. 8961.
Otavova, M. 6634.
Otero, C.P. 11948
Otken, L.B.,Jr. 10490.
Otnaess, A.-B. 3238
Otnaess, A.B 4232
Otness, A -B. 8965.
Otoguro, K. 2984, 9912.
Otohuji, T. 1322.
Otsuka, H. 3033.
Otsuka, S. 3954.
Otsuka, T. 160, 4092.
Otsuki, K. 8713
Ott, J.L. 7788, 11401.
Otten, H. 4638
Ottesen, B 10553
Ottman, J. 2556.
Otto, H.-S. 11912.
Otto, R. 6503
Ottolenghi, M. 12500
Ottow, J.C.G. 102, 9639.
Oudar, J. 13326.
Oudega, B. 6494, 10936.
Oudega,B. 8368.
Oudot, J. 129.
Ouellet, R. 2451, 13480
Ouf, M.F 13468, 13469, 13470.
Oulevey, J. 4081.
Ounissi, H. 11433.
Ourth, D.D. 3141.
Oury, M. 4420.
Ouvrier, R.A. 5381.
Ouzrout, R. 4564.
Ovchinnikov, Iu.A. 12572.
Ovchinnikov, N.M. 3185, 3422, 7085.
Ovchinnikov, Y.A. 8503.
Ovchinnikov. Yu.A. 165, 4901,
  4978, 7663, 11116.
Overbeck, H.J. 9494.
Overbeck, J. 3732.
Overbeeke, N. 1468
Overcash, M.R. 3708.
Overchenko, M.B. 4767.
Overduin, P. 7658.
Overgoor, G.H.A. 3000.
Overturf, G. 6802.
Overturf, G.D. 583, 3437, 4406.
Ovodov, Y.S. 4943.
Owa, N. 2436.
Owais, W.M. 2816.
Owen, D. 7268
Owen, D.G. 10684
Owen, R.J. 1302, 4804, 8315, 8331.
Owens, E.J. 8167.
Owens, L.D. 8138.
Oxender, D.L. 7401.
Oxtoby, M.J. 547.
Oyama, A. 2321.
Oyama, Y. 3081.
Ozaki, H. 794, 3956.
Ozaki, N. 4109.
Ozaki, Y 5557.
Ozanne, G. 1285
Ozawa, A. 8122.
Ozawa, K. 9123, 12041
Ozawa, S. 2248, 2320.
Ozawa, T 5518.
Ozeki, M. 2972.
Ozsoylu, A. 10548.

Paape, M.J. 4274.
Paau, A.S. 2446, 6417.
Paavonen, J. 2280, 13234.
Pabale, R.C. 8198.
Paca, J. 8449
Pacaud, M. 5763, 9745
Pace, B. 7512.
Pace, J.L. 1817
Pace, N.L. 1975, 11702.
Pace, N.R. 2720, 7512
Pache, W. 7739.
Pack, L.D. 13064
Packep, N.H. 11231.
Packer, L. 4785, 6560.
Packham, N.K. 6559
Packman, L.C. 9743, 9781, 12614
Pacuszka, T. 480.
Padayatty, J. 4144.
Padayatty, J.D. 4119, 6723.
Padeiskaya, E.N. 7861.
Padilla, R.S. 682
Padin, A. 4292.
Padmanaban, V.D. 4325, 6130.
Padmavati, S. 2269.
Padmore, C.L. 7246.
Padovani, L. 12249.
Padre, B.C.,Jr. 4637.
Paeduraru, V. 3780.
Paerl, H.W. 6447.
Pafomov, G.A. 9202
Pagani, L. 12924
Pagani, R. 5999
Paganini, C.A. 5370.
Pagano, D.A. 1328, 7653
Pagano, M. 1318.
Page, C.O 2032.

Page, E. 7891.
Page, N. 10191.
Page, R.C. 3291, 5220.
Page, W.J. 8209.
Pagel, J.E. 5566.
Pages, C. 9645.
Pages, J.-M. 65.
Pages, J.B. 2265.
Pagliuso, G. 5357
Pagnano, P.M.G. 11664.
Pagon, S. 11903.
Pahlow, G. 6835
Pahwa, S.K. 7331.
Pai, C.H. 6035, 6453.
Pai, M.R. 7608.
Paik, G. 10873.
Painter, B.G. 11967.
Paisley, J.W. 3353, 3373, 9134
Pakes. S.P. 6127
Pakkala, U. 4374
Pal, D. 1700, 6428.
Pal, R.B. 8022.
Pal, S.C. 2039, 2041.
Pal, S.K. 12816
Pal, U.R. 5508
Pala, M. 4094.
Palacian, E. 9678, 11090.
Palacios, A. 13481
Palacios, E. 6237.
Palanisamy, K.S. 12260.
Palanova, A. 507, 11643.
Palasuntheram, C. 8877
Palcanis, K.G. 6101
Palchaudhuri, S. 11277.
Paleari, M.A.B. 8430
Palena, G. 6990.
Palit, S. 11053
Palleroni, N.J. 2876, 3042
Pallmar, D. 2171.
Palm, D. 8586.
Palmer, D.F. 6026.
Palmer, D.L. 11839.
Palmer, F.E. 12155
Palmer, G.H. 5927
Palmer, G.S. 8776.
Palmer, J.K. 7430.
Palmer, L. 38.
Palmieri, M.J. 8259
Palmisano, L. 697
Paloheimo, L. 712.
Palomares, A.J 5881
Palomares, J.C. 9968, 10018, 12866.
Palombo, G. 3315.
Palutke, M. 6972.
Palva, I. 4799, 5026, 12645, 12655.
Pan-Hou, H.S.K. 6521
Pan, R.-N. 10919
Panaitescu, M. 10694
Panangala, V.S. 9372.
Panciera, R.J. 9039.
Pande, C. 6589.
Pande, H.P. 1139.
Pande, J. 8221.
Pandey, A. 12693.
Pandey, N.K. 12686.
Pandey, V.N. 4034.
Paneaglio, E. 8998.
Pang, D.-X. 12861.
Pang, H. 7508.
Pang, R. 1725.
Panhotra, B.R. 274, 402, 403, 2521, 2571, 3061, 3142, 7700, 7880, 8095.
Paniara-Volika, O. 4178.
Paniara, O. 10061
Panichev, A.V. 12269
Panichi, G. 9513.
Panigrahi, B.C. 2471.
Panigrahy, B. 5263.
Panja, S.K. 1904.
Pankakoski, E. 13400
Pankey, G.A. 1033, 6258, 7075, 7853, 11997, 13122.
Pankhurst, C.E. 1224, 8345, 12125, 12127, 13491
Pankova, G.F. 10486
Pankovich, A.M. 2272.
Pannekoek, H. 2858
Panopoulos, N.J. 2913.
Panos, C. 1372, 5612
Panpataua, P. 6981.
Pant, M.C. 8221, 10731.
Pantchenkov, N.R. 11991
Panting, L.M. 3727, 12118, 13476.
Pantosti, A.L. 9513
Paolaggi, J.A. 5395.
Paoletti, C. 11526.
Paolisso, G. 1366.
Paolozzi, L. 11338.
Papa, F. 2535.
Papaconstantinou, A.T. 2457, 10768.
Papadakis, J. 7361
Papadopolous, N. 9104.
Papadopoulos, G.K. 5692.
Papamichail, M. 2733
Papapetropoulos, M. 9952.
Papapetropoulou, M. 1749.
Paparella, M.M. 10086.
Papathanassiou, B. 5443.
Papavassiliou, J. 9071.
Papavassiliou, J.T. 2457, 10768.
Paperna, I. 3596.
Papoutsakis, G. 909.
Papp-Vid, G. 3617.
Papp, L. 3606.
Pappas, A.A. 7054.
Pappenheimer, A.M.,Jr. 10088
Paradies, H.H. 4061, 6647, 6651, 6652, 6654, 8594.
Paradise, J.L. 13131, 13135.
Paradisi, F. 13170.
Paraf, A. 989, 2222.
Paramasivam, T. 6451.
Paranchych, W. 2629, 12311.
Parant, F. 12055.
Parant, M. 12055.
Parashar, M.K. 5413.
Parashar, R.D. 13454.
Parashar, S.K. 10456.
Paraskevopoulou, P. 10061, 10594.
Pardo, J.M. 11948.
Pardo, M.L. 8907
Pardon, P. 3242, 3253, 6147, 11538.
Pardue, A. S. 7371.
Pardue, A.S. 8072.
Pareek, S.S. 2142, 2155, 2785.
Parekh, K.S. 5141.
Parent, K. 6115.
Pares, R. 1739, 2812, 9539.
Paretsky, D. 6963.
Pariente, R. 10348.
Paris, A.L. 10115.
Paris, C.B. 8198
Paris, D. 13161.
Paris, D.F. 8407
Paris, J. 6207.
Paris, J.C. 6207
Parish, R.A. 3491.
Parisi, J.T. 2947, 4465.
Pariyskaya, A.N. 12126, 12138.
Park, C.H. 8571, 10347
Park, H.M. 11934.
Park, J.T. 1471, 6603.
Park, L.S. 4064
Park, M. 973.
Park, R.J. 2656, 12431.
Park, S.C. 10347
Park, Y.-H. 6637, 7808
Parker, B.C. 6440
Parker, C.D. 10892.
Parker, D.S. 7575.
Parker, F.E. 3702.
Parker, J. 5720.
Parker, J.C. 11500.
Parker, J.H. 4650, 12712.
Parker, J.W 7376.
Parker, M.E. 12254.
Parker, M.J. 3275.
Parker, N. 1304
Parker, R.H. 9245, 13271.
Parker, S.E. 6192.
Parker, W.L. 291, 294, 7736, 7740, 11345.
Parkes. K. 6492
Parkhomenko, L.V. 12881. 13051.
Parkin, J.L. 10337.
Parkin, T.B. 2492, 3736.
Parkinson, J.S. 2860
Parkinson, M.C. 797.
Parks, D.H. 685.
Parks, L.C. 12516.
Parmar, M.S. 6175
Parmeggianai, A. 11088
Parmeggiani, A. 9686, 11077.
Parment, P.-A. 7097.
Parodi, S. 4094
Parola, D. 10351.
Paronyan, A.Kh. 13518.
Paroz, P. 1892.
Parratt, J.R. 3137.
Parrilla, E. 3505.
Parry, M. 3287.
Parson, W.W. 2683, 3870, 6551, 6558.
Parsons, C.L. 6226, 7047
Parsons, D.M. 10645
Parsons, G.D. 11323.
Parsons, J.T. 9862
Parsons, K.R. 7273.
Parsons, N.J. 1856, 12954, 13005.
Parsons, S. 7012.
Parthasarathy, A. 13061.
Parton, R. 6051.
Partridge, C.D.P. 2666.
Parvathy, T.C. 13163
Parvinen, T. 4355
Parya, O. 10387.
Pas, E. 12316
Pascal, M.C. 1593.
Pascal, R.A.,Jr. 7557.
Pascali, C. 13300
Paschal, J.W. 7639, 11355
Pascual, M.F. 10773.
Pasculle, A. 20.
Pasculle, A.W. 4396, 8758, 9932, 10339.
Pashby, N.L. 10576.
Pasiecznik, K.A. 7798, 8761.
Pask-Hughes, A.P. 5807.
Pasqualucci, C.R. 3035, 7805.
Pasquier, J. 2221, 3461.
Passey, R. 8894.
Passon, T.J.,Jr. 10665
Pastan, I. 256.
Paster, B.J. 12033.
Paster, E.U. 12296.
Pasternak, N.A. 7821, 9930.
Pasternak, N.I. 6249.
Pat, C.H. 3358.
Patamasucon, P. 2151.
Pataraya, D.T. 12351.
Patchett, A.A. 12579.
Patchornick, A. 3019.
Pate, J.L. 1270.
Pate, J.S. 8200.
Pate, J.W. 4176.
Pate, P.J. 11605.
Patel, B.S. 9266.
Patel, G.B. 2664, 5552, 8389, 12422.
Patel, J.J. 8345.
Patel, K.B. 4727.
Patel, K.M. 7116.
Patel, L. 7410.
Patel, M. 7731.
Patel, M.G. 2986.
Patel, M.I. 9192.
Patel, M.R. 5975, 6836, 6837, 6838, 6839.
Patel, N. 352, 1713.
Patel, P.J. 1875, 1879, 6095.
Patel, P.N. 1149.
Patel, P.V. 12294, 12954.
Patel, R. 4015, 8416.
Patel, R.N. 12590
Patel, T.R. 2802
Paterno, V.I. 11774.
Paterson, D.G. 13149.
Paterson, R.C. 6383.
Pathmarajah, C. 9266
Pati, B.R. 8187.
Patil, L.K. 4960.
Patil, R.B. 8261.
Patil, S.S. 1293
Patil, V.D. 12124.
Paton, A.M. 12215.
Paton, J.C. 3414.
Patriarca, P. 6111.
Patrick, F.M. 7372.
Patrick, W.H.,Jr. 1159, 3716, 9457, 9644.
Patriquin, D.G. 2402, 3721, 5531.
Patriquin, H.B. 2197.
Patrito, A. 3514, 6990.
Patrone, F. 8998.
Patrudu, M. 10297.
Patsevich, M.E. 11000.
Pattabiraman, S.R. 12043.
Patte, J.-C. 8664.
Patte, J.C. 6695.
Pattee, P.A. 258, 259
Patterson, J.A. 12455.
Patterson, J.M. 4259.
Patterson, L.S. 9978.
Patterson, R.C. 6960
Patterson, R.P. 4640
Patterson, S.S. 1265.
Pattin, S. 3531, 5407.
Pattison, C.P. 9289.
Patton, C.M. 2285, 10909.
Patton, D.L. 10277.
Patton, J.T. 4770.
Pattridge, K.A. 4067.
Pattyn, S.R. 1402, 7454, 13083.
Pauer, G.D C. 3728.
Paul, E.A. 2434.
Paul, G. 3105, 5081.
Paul, H.H. 7118.
Paul, I.D. 3763.
Paul, J.H. 5565.
Paul, R.D. 7953.
Paul, S. 4362.
Paul, V.J. 1695.
Paul, V.K. 7878.
Paulhus 3598.
Paulsen, H. 6574.
Paulus, T.J. 8615.
Pauly, P. 9277.
Paun, L. 4386.
Paunier, L. 5331.
Paunio, I. 709, 713, 714, 6950, 11689.
Paunio, K.U. 4906.
Paust, H. 11868
Paute, M.C. 2242, 3540, 5355, 13323.
Pauza, C.D. 11262.
Pauze, M. 5364.
Pavan, C. 10359.
Pavel, A. 5246.
Pavillard, E.R. 9933.
Pavithran, P. 10298.
Pavkova, L. 11991.
Pavlasova, E. 1632, 11195.
Pavlatos, M.P. 6216.
Pavlenko, G.V. 12499.
Pavlova, I.B. 11452.
Pavlova, L.P. 1825.
Pavlova, V.I. 11428.
Pavlovskis, O.R. 11540.
Pavoni, M. 911.
Pavy, M.D. 2009.
Pawlik, R.T. 2739.
Pawlotsky, Y. 3520.
Paxton, A.T. 9593.
Payan, D.G. 4483.
Payne, J.W. 2726, 2727, 5633.
Payne, L.G. 12579.
Payne, S.N. 13011.
Payne, W.J. 1230, 2732, 10971.
Paynter, M.J.B. 8425.
Payton, C.W. 6640.
Pazout, J. 5541, 8173.
Pazur, J.H. 5806
Pazzaglia, G. 10371.
Peacock, J.E.,Jr. 3059, 10532.
Peacock, S. 11131.
Peacock, S.L. 5022.
Peacock, W.L. 513.
Pead, L. 8008.
Pearce, J.H. 9524.
Pearlstein, L.S. 13216.
Pearson, D. 6446.
Pearson, G.D.N. 11258.
Pearson, G.R. 3591, 6352.
Pearson, J. 13251.
Pearson, J.M.H. 3277, 3279, 3280, 11673.
Pearson, N. 351.
Pearson, R.D. 6815.
Pease, P.E. 2614.
Peat, J.R. 2469, 2470.
Peces Serrano, R. 877.
Pechere, J.-C. 2952, 3456.
Pechinot, A. 6812.
Pechmann, H. 1670.
Pecile, P. 6796.
Peck, H.D.,Jr. 2732, 2803, 9740.
Peck, J. 8927.
Peck, L.J. 2700.
Peddie, B. 10601
Peddie, B.A. 8943, 11375.
Pedenko, N.A. 10668.
Pedersen, D. 13513.
Pedersen, I.K. 10451.
Pedersen, K. 4728, 6136.
Pedersen, K.B. 1808, 3592, 3820, 10713.
Pedersen, N.S. 3427, 4455, 4681, 5203, 7904, 7945, 10171.
Pederson, E.D. 7540.
Pedini, M. 12941.
Pedler, S.J. 5108.
Pedreira, F. 761.
Pedros-Alio, C. 8244.
Pedrosa, F.O. 12654.
Pedulla, D. 9145.
Peel, M.M. 13299.
Peel, R.N. 8004.
Peele, E.R. 1276, 1314.
Peelen, J.P.J. 1093.
Peeler, J.T. 465, 5160, 7883.
Peet, R.L. 12068.
Peet, R.W. 12155.
Peeters, G. 1074.
Peevy, K.J. 8067.
Pegg, S.P. 9925.
Pegram, P.S. 400.
Pegram, R.G. 3610.
Pegrimkova, J. 8293.
Pehamberger, H. 7087.
Peiris, S.P. 8620.
Pejovic, I. 13293.
Pekanan, P. 10497.
Pekarek, J. 1889.
Pekas, J.C. 8081.
Pekkanen, T. 443.
Pel, D. 506.
Pelaez, P.P. 7130.
Pelechova, J. 8542, 9703.
Peleg, I. 1467.
Pelico, J.V.C. 6568.
Pelikan, M. 5545.
Pelka, H. 1454.
Pellegrini, L. 13456.
Pellegrini, M. 13456.
Pellerin, A.M. 13409.
Pellerin, J.L. 4578.
Pellerin, M. 2002.
Pellet, J. 7891.
Pelletier, M. 855.
Pelletier, P.A. 5373.
Pelliniemi, T.-T. 11474.
Pellissier, J.F. 9177.
Pellon, G. 5829
Pellon, J.R. 154, 1332, 6
Peloux, Y. 2185.
Peltier, A. 5391.
Peltomaeki, E. 6995.
Pelucco, D. 6982.
Pelz, K. 4400, 11723.
Pembroke, J.T. 2865.
Penabad, Z.R. 10930.
Penasse, L. 5058.
Pence, D.B. 5475.
Pencea, I. 6180, 6181.
Penchenier, L. 686.
Pendalwar, S.L. 5975.
Pender, B.J. 1844.
Penidc, E.G.C. 1672.
Penin, F. 3333.
Penkava, R. 6187.
Penketh, A.R.L. 9261.
Penn, C.W. 1856, 5986, 6
12227, 13005.
Penn, R.G. 3341.
Penn, R.L. 9963.
Penna, R. 4290.
Pennec, J. 692.
Pennec, Y. 3493, 7159.
Penner, J.L. 2082, 7989, 9
Penning, T.M. 6591, 6664
Pennington, J.E. 949, 3250
3446, 10315.
Pennock, B.E. 1970.
Pennycook, S.R. 4627, 108
Penttilae, O. 819.
Penumarti, N. 9806.
Penwarden, R.A. 10199
Pepersack, F. 6475.
Pepsys, M.B. 5206.
Peradejordi, F. 434, 1768.
Perault, F. 13211.
Perch, B. 3592, 3820
Percival-Smith, R.K.L. 444
Perdigon, G. 4323.
Perdiz, M. 520.
Perdrup, A. 4455.
Perduca, M. 12924.
Perea, E.J. 938, 2146, 9968
10018, 12866.
Perebityuk, A N. 8742.
Perec, C.J. 3298.
Pereira, H.G. 7991.
Pereira, M. 4472.
Pereira, N. 9248.
Perel'man, B.V. 12760.
Perera, M.R. 9200.
Perera, V.Y. 12227, 13005.
Peres, J.N. 7292, 11541, 11
Peresecenschi, G. 7939.
Pereversev, N.A. 12339.
Perez de Ayala, C. 3533.
Perez Urena, M.T. 12765.
Perez-Jimenez, F. 9312, 119
Perez-Lemaur, M.Z. 9089.
Perez-Ortega, R. 7064.
Perez-Silva, J. 5881.
Perez, A.C. 6966.
Perez, H.D. 5388.
Perez, M. 3885.
Perez, M.B. 12019.
Perfect, J.R. 7066.
Perfilyev, D.F. 558.
Perham, R.N. 6727, 9743, 9
11155, 11160, 11161, 111
11188, 11286, 12614.
Peri, R. 11784.
Periello, V.A. 10404.
Perin, G. 13263
Perine, P.L. 6259, 10660.
Peringer, P. 12034.
Perkins, D.H. 718, 724.
Perkins, G.H. 3765.
Perkins, H.R. 1565, 2587.
Perkins, R E. 13513.
Perkins, R.L. 3062.
Perlin, M.H. 1501, 8799.
Perlino, C.A. 782, 5057.
Perlmutter, R.M. 11543.
Perna, A. 9455.
Pero, J. 266, 4130.
Perol, Y 12013.
Perol, Y. 1922.
Perols, O. 764.
Peron, M. 11456.
Peros, W.J. 8401.
Perosio, A.M.A. 1001.
Perpoint, B. 5394, 7399.
Perramant, M. 10628.
Perraudin, M.L. 4366.
Perreau, P. 3564, 8325, 133
Perree, P. 2127.
Perret, B. 11480.
Perri, T.R. 9204.
Perrin-Fayolle, M. 11581, 13
Perrin, B. 12049
Perrin, D. 8696

3. 3078
E. 9949, 9953, 11397
et, J. 5058, 5913
echenmann, C. 10767
3. 11138
, D. 878
R 2272
) 10645
) A 10778
L 11326
.J. 13036.
.1.B. 4073, 5798.
M.J. 8788, 8789, 10804
.D. 6500.
an, M.W 4248, 6025, 8904.
, G.N. 1771, 7861.
, R. 11472.
A. 11441
J M. 11637
, I 1746
, K. 829
, M. 4883
, P.-E. 12181
, P.E. 12197
, S 2230
a, R.N. 10996, 12391
hina, N.K. 478
De Ruiz Holgado, A.A. 1512
, G.W 11876
as, I.I 12633
n, E. 483.
, A. 12983
, G.V.A 8946
, M. 4209
a de Castro, A.F. 1835, 9339
L. 466, 1122, 1885, 5014
, J.J. 192.
-Alexandre, M 9061, 11644
lai, B. 11534
r, T.J. 7739.
G. 988, 9212
in, P.I. 4, 2528
ofsky, A. 4732, 9599
nueller, C 6472
, D. 7701
, J. 7128, 10024, 11447
, J.H 3097
, R. 3199, 3203
, S. 2913
en, B.H. 5799
sen, C.S. 4681, 5203,
34, 10171.
sen, D.P 687
sen, H.U. 4828, 12537
sen, K.F 11469
sen, S. 1107
son, B.C 12800
son, D.L. 4672
son, D.R. 10104
son, E.A 3094
son, E.M. 2557, 8361
son, H 3208
son, H L 10784
son, J B 3719, 12628
son, J E 10247
son, J W 4122, 4229
son, L.R. 2621, 8283
son, M.A 8164
rson, N J. 3482
rson, P K. 1331, 3199,
22, 5232, 6088, 8964, 10222
rsson, K 5797
, J.F. 12055
, S. 7027
demange, H. 7601
as, G 8031, 8033, 11601
e, J 204
escu, D 9242
i, L. 9896, 11335
iy, O.G. 3998
o, T.M. 9020
osian, L.S. 6505
osov, V.V. 5419
ov, G.I. 12657
ova, T.A. 11013
ucci, R.E.,Jr 2580
rusite, M.A. 8593
ruska, M 848
rusyte, M. 6619
rykina, Z.M. 10940
terson, D.S 2964
tersson, K.-I 5299
tersson, L. 1920.
tersson, R.F 4799
tersson, S. 5463.
tersson, T 3364, 5297, 5301
tifor, R.A 4271.
tipher, G.L. 9519, 12214.
tit, D.E 1844, 4248, 6025, 8904
tit, F.H. 202.
tit, J.R. 3617, 6348, 10654
titt, C.A. 3815
ty, G.P 10284.
ursson, S. 9744
ushkov, V.N 12472.

Petyushenko, R.M 10011
Petzelt, C 12549
Petzold, C.R 11808
Peukert, V 7345
Peychl, L 8048
Peypoux, F. 4163, 7710.
Peyramond, D 7140, 11705
Peyser, E. 13221
Pezzia, W. 6166
Pezzlo, M. 5579
Pfaeffle, M 5859
Pfaender, F.K 8395
Pfau, A. 3380
Pfeiffer, N.C 7216
Pfenninger, J 6263
Pfister, R.M 5605
Pfisterer, M. 4992
Pfleger, K. 7542.
Pflieger, H. 6156
Pflugfelder, G.O. 11082
Pfueller, U 10957
Pfuetzner, H 3579, 6347, 8106
Pfutzner, H. 3573
Phadnis, M.C 13089
Phair, J.P 3154, 3390, 6319
Pham, P H 554
Phelps, C.L 9851
Phibbs, P V 12664
Phibbs, P V ,Jr 3861, 6627,
6658, 12559
Philip, A.G S. 7180, 10613, 11935.
Philip, R. 3666
Philip, R.N 49, 1004, 2204, 9572.
Philip, S. 2474, 5324, 6542
Philipp, R 5362
Philippon, A. 3105, 5081
Philippon, A.M. 9951
Philips, J.A. 12109
Philips, S.M 8648
Phillip, J.A.D 2465
Phillips, A.T 7584, 7585
Phillips, B 11808
Phillips, D.A 2442, 6429, 12845
Phillips, D.M. 5567, 8150
Phillips, D.R 7850
Phillips, G.N., Jr. 1375
Phillips, G N ,Jr. 4844
Phillips, G.N.Jr 1470
Phillips, I 1709, 1717, 2325,
2548, 4516, 5067, 8822, 10021,
10603, 12921, 13205
Phillips, J C 8588
Phillips, K.D 1321
Phillips, M 621
Phillips, N 12179
Phillips, P A. 8240
Phillips, R 307, 5952
Phillips, W.E.,Jr 2569
Philo, J. 7172
Philosoph, S 6557
Philpotts, H.R 8193
Phipps, B.M 1853.
Phookan, A.K 3667
Phua, S.H 1653
Phutela, R P 7321
Phyfferoen, M. 7091
Pianotti, R 3260
Piao, X -H 9035, 12352
Picard, B 463
Picard, D 962
Picavet, D P 11619
Piccazzi, T 6780, 7133
Piccinini, L. 12855
Piccininno, G 10275
Picco, B 7012
Piccolomini, R 3991, 7777
Pichichero, M.E 3200
Pichinoty, F. 12275
Pichler, H 8772
Pichler, M 11883
Pichot, J. 7326, 8207
Pickard, M A. 2772
Pickaver, A.H. 1229
Picken, R.N 9845
Pickens, S. 1761
Pickering, L.K 807, 2130
Pickering, W.J. 2479
Pickett, M.J 3890
Pickover, C.A 8483
Pickup, R.W 12838
Picone, P 10665
Picorel, R 3880
Pidtulok, E A. 9930
Piechocki, R 2866
Piechowska, M. 6730
Piechulla, K 2663
Piecuch, J.F 11679
Piekarowicz, A 6665
Pieler, T. 11066
Pien, F.D 314, 2070
Pienaar, L. 519
Piendl, W 10000
Pieper, R. 7101, 11654
Pier, A.C 1097, 2376, 6196
Pier, G.B 949, 3176, 6129,
6674, 10226, 11575

Pierard, A. 1586, 12507
Pierce, A.K. 6109
Pierce, C.V. 10658
Pierce, G E 8411
Pierce, N.F. 7960
Pierce, P F 7017.
Pierce, W.A., Jr. 482.
Piercy, D.W.T 2363, 2370
Pierik, M G 10565.
Pierre, J. 12480, 12495
Pierry, A.A. 3347.
Pierson, M.D 4215, 5964
Pierti, P. 13549
Pierucci, O 3842
Pieters R 2305
Pietr, S 9640
Piette, J 12795
Pifer, L L. 5287
Piffaretti, J -C. 5877, 8716.
Piffaretti, J.C. 2943
Pigac, J. 12224
Pijoan, C. 9033, 10871
Pikkarainen, P 10233.
Pilars De Pilar, C.E. 3548
Pilaszek, J 3056, 3057.
Pildes, R.S. 2123
Pilet, C. 5227, 11637.
Pilkevich, R.N. 5346
Pilla, J. 8672
Pillai, K.R 2815
Pillai, N.G. 3674
Pillet, J. 2937
Pilliot, J 6270
Pillot, J. 9066
Pillsbury, H.C. 10334
Pilot, T. 13115
Pilstroem, L 7221
Pilz, I. 11159
Pimenta, W.P. 11664
Pimolpan, V. 6981
Pinart Pons, J. 10353
Pinchukova, E.E. 12573.
Pincomb, B.J 7171
Pincus, D.J. 11649
Pine, L. 7907, 13187
Pineau, P 2242.
Pineiro, D.J. 2266
Pingoud, A. 1521, 8492, 11087
Pinkerton, I.W 9126.
Pinn, P.A 6754
Pinney, R.J. 2765
Pinon, G 390, 7766
Pinsky, R.L. 7184
Pinstein, M.L 955
Pinta, P 10463
Pintera, J 11658
Pinto, A. 11887
Pinto, A.A 595
Pinto, M A.O. 6464
Pinto, M.E. 547, 9240
Pintor-Toro, J.A 9678, 11090,
11110
Pioli, D 11265
Pionetti, J -M. 1530.
Piot, P 2511, 2542
Piovani, D. 805
Piper, C 6228
Piper, C.E. 2529
Piplani, C.L 406
Piras, M.A. 4318.
Piret, J.M 11341
Pirie, H M 5098
Piro, P 4288
Pisano, M.A 11467
Pisarenko, N.F. 12282, 12299
Pisko, G.T 12942
Piskunov, V.P 11019
Piskunova, V P 2438
Pitarangsi, C. 5319
Pitchenik, A.E 13293
Pitcher, W D 12018
Pitkaenen, T 819, 3364, 7024,
10369
Pitkethley, R.N 4711
Pitlik, S 9282
Pitrou, E 3536
Pitsakis, P. 6212
Pitsakis, P.G. 13197
Pitt, H.A 12001
Pitt, T.L. 52, 503, 2549, 3180,
12922
Pittard, J 12801
Pitteloud, J J 10984
Pitts, G. 3260
Pitur, I 6124.
Pitzurra, M 4306, 12941
Pivel, J.P 4060
Pivet, H.T. 1783
Piwowarski, J.M 7708, 12859
Pizzo, P.A 4463, 4464, 11915
Plachcinska, J. 11658
Plachy, J. 8528, 8529, 8542.
Plagemann, O. 5473.
Plant, J.E. 5228
Plantavid, M. 11480

Plasschaert, A J M. 717.
Plasse, F. 10989
Plastow, G.S. 6601
Plate, C.A. 2882
Plateau, P. 1442.
Platkowski, B. 8080.
Platt, R. 3446
Platt, T. 1460, 5723, 7648,
7649, 11080.
Platteau, B. 2186.
Plattner, R.D 7451
Platts A.J. 8010.
Platts, P. 9109.
Platz, S. 12142.
Plauche, W.C 2066.
Plaut, A.G. 9728
Plaxico, D.T. 10490.
Plaza Perez, J.J. 877
Plested, S.J. 5910.
Pletcher, J.M. 3644
Pletnev, V.Z 8519.
Plevani, P 2877.
Plewa, M.J. 7379.
Plewig, G. 1948
Plews, P.I. 9338
Ploczekova, C. 10005
Plommet, A.-M. 12073.
Plommet, M. 12073
Plotkin, B.J. 11824
Plotz, W.D. 2171.
Plouffe, J. 4467.
Plouffe, J.F. 556, 4415, 9207.
Plourde, J.R. 11374
Ploussard, J.H. 648
Plumbridge, J.A. 5707, 12749.
Plunket, D.C. 2216.
Plut, S. 3393
Pluth, D.J 3712.
Pluth, J.R. 4480
Plyukhin, A.G. 13307
Pnini, S. 9601
Pobedina, V.G. 4276.
Pocino, M. 10232.
Pocza, A. 6983
Podack, E.R. 5225.
Poddar, R.K 12816
Podewell, C. 990
Podgore, J.K. 7187
Podgorsky, V.S. 12433, 12435.
Podojil, M. 8653, 8750.
Podoprigora, G.I. 1825, 10727
Podwinska, J. 8988
Poe, M. 1555.
Poehler, E 11759.
Poellein, S. 6187
Poelma, P.L. 3758, 3759, 4661, 7370.
Poenkae, A 819, 3364, 5297,
6293, 7024, 10253.
Poenkae, T 6293.
Poerschke, D. 8680
Pogany, S.A. 5961
Pogell, B.M. 1741
Poglazov, B.F. 12563
Pogozheva, V.V. 11363
Pohl, L.R 5449
Pohl, P 3064, 4195, 11332
Pohl, R. 7282
Pohlandt, F 3466
Pohlman, R.F 12839
Pohlod, D. 8808
Pohlod, D J 309.
Poinar, G O ,Jr. 6392, 8130, 10709
Poindexter, J.S 3795, 12332, 12360
Poindexter, N.J 11499
Poirier, A. 2995, 8784, 13257
Poirson, B 2002
Poiterin, M. 3426
Poitevin, M. 2148
Pokhodzei, I.V 599
Poklepovic, J. 5383.
Pokorna, V. 8293.
Pokorny, V 8456
Pokras, L.S. 11363.
Pokrovskii, V.I. 11544
Pokrovsky, A.V. 578
Pokrovsky, V.I. 3366
Pol, A. 12189
Polak-Vogelzang, A.A. 5245
Polak, J. 1138, 9901
Poland, J.D. 2218, 6173
Polasa, H. 2857, 8741
Polayes, I.M 6302
Polder, L. 11292.
Poletto, P 644
Polglase, A.L. 2287
Poli, G. 8430, 13171
Poli, L. 2127
Polin, A.N 10940.
Polin, R.A. 383, 881
Polisky, B. 11322, 11325.
Politzer, W.M 10294
Polk, E.A. 12884.
Polk, H.C. 2188
Polk, H.C.,Jr 10446, 10520,
10676, 11965

Polkhovsky, V.A. 12247.
Pollack, M. 10242.
Pollard, R.A 815, 2049.
Pollard, R.B. 685
Pollock, A.A. 975, 8047.
Pollock, B. 9146.
Pollock, J.J. 12325.
Polo, I. 2080
Polonenko, D.R. 2430, 4634.
Polotnyak, A.D. 12375, 12446.
Polsinelli, M. 2593.
Poltorak, V.A. 10940, 12740
Polukhina, L.M. 7861
Polvino, D.A. 6463.
Polyak, M.B. 10113.
Polyanskaya, L.M. 12136.
Polydorou, K. 1087
Polyzoidis, K. 6306.
Pombejara, C.N. 10497.
Pomeroy, B.S. 1071, 9013.
Pomeroy, L.R. 2481, 6530.
Pommier, J. 3453.
Pommier, M.-T. 4956
Pommier, M.T. 7630, 8446.
Pomortseva, N.V. 232.
Pomponi, M. 1511.
Pon, C. 2739.
Poncini, L. 3325.
Pond, W.G 8081
Ponette, E. 11782.
Pongpanich, B. 11534.
Pongponratn, E. 11771.
Pongratz, G. 10923.
Pongsamart, S. 6624
Ponka, A. 824.
Pons, J.C. 4533
Ponsford, R.J 2959
Ponte, M.C. 3505, 5104.
Pontecorvo, M. 4353.
Ponten, J. 2425.
Ponticelli, A. 12814
Poole, K. 6605
Poole, R.K. 1339, 1425, 2689,
6490, 6519, 12335, 12488,
12501
Pooley, H.M. 5635.
Poon-King, T. 1881, 12015.
Poonacha, K.B 6358.
Popa, L.M. 1694.
Popa, V 3171.
Pope, C. 1105, 2192.
Pope, D.H. 5682
Pope, L.M. 1086
Pope, V. 8904.
Popescu, C 6180, 6181.
Pople, H.E.,Jr. 12201
Popoff, M. 10901.
Popoff, M.R 3587.
Popoff, M.Y. 153.
Poporad, G. 3007
Poporad, G.A. 6140.
Popov, E.I. 11333.
Popov, G.V. 3643
Popov, M.S 9275.
Popov, S.G. 5740.
Popov, V.F. 9957
Popov, V.G. 2301.
Popov, V.O 8611.
Popova, N.N. 10419
Popovich, G.G. 12273, 12992, 13512
Popovich, N.A. 1393
Popow, C. 2107.
Poppelaars-Kustermans, P.A.J. 5266
Poppensiek, G.C. 9349
Poppi, A. 12021
Porcella, D.B. 9489
Porra, R.J. 12496.
Porro de' Somenzi, C. 5354.
Porschen, R.K. 2007.
Port, F.K 1833
Port, J. 2462.
Portaels, F. 1402, 6183, 7454.
Porte, A. 6076.
Portela Ortiz, J.M. 2247.
Porteous, C.E. 6660
Porter, A.C.G. 12306.
Porter, F.D. 12615
Porter, I.A. 10428
Porter, J. 11052.
Porter, J.K. 12476.
Porter, K.A. 1990
Porter, K.M. 11839.
Porter, L.K. 8166
Porter, P 6906
Porter, P.J. 647.
Portier, H. 6265, 6277
Portier, R J 8418.
Portnoy, B. 4406
Portnoy, D. 393.
Portnoy, D.A. 2934.
Portnoy, J. 11674.
Portoles, A. 12765.
Portoles, M.T. 5999
Porvaznik, M. 10373.
Porwal, G.L. 11603.

Posalaky, Z. 10116.
Posner, L.E. 5375.
Pospisil, L. 35.
Postgate, J.R. 2475.
Postier, R.G. 12001.
Postl, B. 3410, 8795.
Postma, P. 470, 3151, 11557.
Postma, P.W. 1356, 1491, 8464, 8698.
Postnov, A.L. 10729.
Potapnev, F.V. 2168, 10437.
Potayenko, Yu.S. 12172.
Potel Lesquereux, J. 5396.
Potezny, N. 8866.
Potgieter, F.T. 1, 3594, 5571.
Potgieter, M. 9921.
Pothel, C. 2238.
Pothier, P. 360, 6812
Potorac, E. 10694.
Potrikus, C.J. 5488.
Potter, A.A. 12430, 12621.
Potter, E.V. 12015.
Potter, M.E. 2285, 7285.
Potter, V.L. 1549.
Potts, R.C. 9073
Potts, T.V. 9546
Potvliege, C. 5442, 12257.
Poulis, M. 8735.
Poulis, M.I. 4902.
Poullot, B. 13279
Poulsen, S.R. 10451.
Poulter, N. 1990
Poumeyrol, M. 7890.
Pounder, D.J. 757
Pountney, S.K. 6383
Pourcel, C. 9826.
Pourel, J. 5400
Pourrat, J.P. 7944.
Pousset, M. 5060.
Pouvreau, A. 4399, 10313.
Pouwels, P.H. 4971.
Pow, I. 5262.
Powanda, M.C. 945.
Powar, V.K. 12634.
Powell, C. 5835
Powell, C.E. 1166, 1192.
Powell, D.A. 4467
Powell, D.G. 12046
Powell, D.W. 10089
Powell, H.C. 11613
Powell, J. 4951.
Powell, K.E. 2300.
Powell, K.P. 6957.
Powell, K.R. 10424
Power, D.A. 10863
Powers, E.L. 3854
Powers, L. 185.
Powers, T.B. 4067.
Powers, W.J. 2126
Poxton, I.R. 1794, 1861, 4258,
  6044, 7013, 8924, 8940
Poynard, T. 12013.
Pozdnyakova, V.P. 10486
Pozdnyakova, Z.G. 1815.
Pozmogova, I.N. 11013, 12300.
Pozur, V.K. 12296.
Prabha, S. 8022.
Prabhakar, H. 8785
Prabhakar, P. 3507
Prabhala, R. 3769.
Prabhu, A. 1800.
Prabhudesai, A.V. 6679
Pradhan, D.S. 4034.
Pradhan, P.G. 3087.
Prado, V. 5200.
Praest, J. 4421.
Praetsch, O. 10365.
Pragai, B. 5012
Prager, A. 11468.
Prager, R.L. 3478.
Prakash, C. 10488.
Prakash, C.S. 8155.
Prakash, N. 7445.
Prakash, R.K. 5868, 9906, 9908.
Prange, H. 2174.
Prangishvilli, D. 9782.
Prasad, A.R.S. 12609.
Prasad, H.K. 1884, 2701.
Prasad, K.S.N. 11265.
Prasad, T.R. 5956.
Prasad, U. 2884.
Prather, N.E. 1448.
Pratt, D.E. 3092.
Pratt, E.A. 4730.
Pratt, J.M. 6601, 8540.
Pratt, K. 401.
Pratt, P. 417.
Pratt, P.F. 4212, 6162.
Pratt, R.F. 4013, 7541.
Pratter, M.R. 6143, 9116.
Pravoshinskaya, N.P. 12722.
Prebble, J.N. 1418.
Preece, T. 13421.
Preece, T.F. 9402
Preiser, F.A. 6006.
Preiss, J. 191, 6713, 7547,
  7592, 11561, 12632.
Prell, A. 4965.
Prellner, K. 607, 5724, 6921.
Prentis, J. 393.
Prentki, P. 5024.
Preobrazhenskaya, E.S. 6724.
Preobrazhenskaya, T.P. 10912,
  10932, 13461.
Prere, M.F. 934, 1728, 5050, 5944.
Prescott, B. 4077, 6933.
Prescott, J.F. 1320, 6346,
  11972, 12079.
Prescott, J.M. 8566.
Presidente, P.J.A. 1100, 5458.
Presley, B.A. 9227.
Presser, S.B. 10709.
Preston, C.M. 1220.
Preston, G.A. 11925.
Preston, G.G. 11105.
Preston, M.A. 9987.
Preston, M.D. 4245.
Preston, N.W. 8101.
Pretorius, G.H.J. 5858.
Pretorius, J.A. 13324.
Pretzer, E. 541.
Prevost, D 10886.
Prevot, A.R 3124, 4701.
Price, A.B. 814.
Price, D.L. 476.
Price, K.E. 7834.
Price, S.B. 3002, 5903.
Price, T.H. 2508, 3452.
Price, V.L. 164, 8685
Pridachina, N.N. 9914
Pridham, T.G. 9532, 9576.
Priebat, D.A. 6376.
Priefer, B. 10529.
Priefer, U.B. 9875
Priest, D.G. 4022
Priest, F.G. 1290.
Priest, J.B. 9278.
Priestman, T.J. 11635.
Prieto-Prieto, J. 10485.
Prieto, J. 8777, 9927
Prieur, D. 6232.
Prigent, A. 10313.
Prigent, F. 4399.
Prignano, G. 1729.
Prignot, J. 3324.
Prigogine, T. 6475.
Prikhod'ko, O.I. 8165.
Prikrylova, V. 8653, 8750.
Primakova, G.A. 12326, 12725.
Primavesi, C.A. 5924.
Primrose, D.S. 1359.
Primrose, S.B. 12828.
Prince-David, M. 5060, 7147,
  9167, 11838, 11841.
Prince, A.S. 1703, 9825, 12839.
Prince, J.B. 7513, 12529.
Prince, R.A. 1937, 11416, 11936.
Prince, R.C. 4782, 5685.
Principe, P.A. 291, 2967, 2975,
  7727, 7738, 11345.
Principi, N. 7179.
Pringle, A.T. 3818, 6097, 9331,
  10265.
Pringle, J.H. 2565.
Pringsheim, W. 11878.
Prins, R.A. 3560, 5645, 10725.
Prior, B. 12681.
Prior, R.B. 2140, 6791.
Pritchard, D.G. 8640
Pritchard, G.G. 12653.
Pritchard, R.C. 11877.
Privitera, G. 3048, 6793, 7006,
  8783.
Prizont, R. 2331, 5677.
Prober, C.G 746.
Prochazka, B. 1889
Prochazka, P. 8618.
Prodromos, M. 12899.
Proegel, B. 5210.
Proenca, R. 9133.
Prohaszka, L. 1047
Proia, R.L. 10083.
Prokop, O. 1897
Prokopowicz, D. 11983.
Prome, D. 4083.
Promila, K. 7331.
Pronin, S.V. 11022, 11473, 12411.
Pronina, M.I. 10939.
Proschek, R. 11765.
Prosser, B.La.T. 3042.
Prostak, K.S. 9368.
Proteau, G. 1475.
Protze, A. 410.
Proux, M.C. 6139, 8076.
Prozorov, A.A. 12758.
Prozorovsky, S.V. 5419, 13372.
Pruchova, J. 9365.
Pruitt, B.A. 945.
Pruitt, B.A.,Jr 7965.
Pruitt, B.A.,Jr. 9270, 10237.
Pruitt, K.M. 722, 8982.
Pruthi, A.K. 2374.
Pruul, H. 530, 13027.
Pshenichnov, R.A. 12465.
Pshirkov, S.Yu. 11119, 12381.
Ptashne, M. 4843, 9822.
Ptel, J. 5143.
Puar, M.S. 7731, 7747.
Puchkova, L.I. 12822.
Puehler, A. 9864, 9875.
Puehler, A.P. 9865.
Puel, P. 3513.
Pueppke, S.G. 1150, 7301.
Puett, D. 5153.
Pueyo, I. 2215.
Pueyo, J.M. 13343.
Pugachev, O.M. 13325.
Pugashetti, B.K. 8156.
Pugh-Humphreys, R.G.P. 8971.
Pugh, G.W.,Jr. 9050.
Pugh, K.E. 2348, 2391.
Pugsley, A.P. 8553.
Pugsley, S.O. 2045.
Pui, C.-H. 2261.
Pukander, J. 649.
Pulford, S.M. 6616.
Pulkownik, A. 12604.
Pulliam, L. 5950.
Pulver, E.L. 1191.
Pulverer, G. 212, 667, 3270,
  6561, 6773, 7212, 9024, 11439.
Pumphrey, R.E.,Jr. 3467, 4502.
Pumpria, P. 7898.
Puppel, H. 500, 7918, 9268.
Puras Tellaeche, A. 7969.
Purcell, A.H. 6388, 9390, 10744.
Puri, V. 3441
Purkayastha, R.P. 4636, 9425.
Purohit, K. 7611.
Pursell, A.R. 8089.
Purushothaman, V. 3628.
Pushkareva, A.P. 10903.
Pusztai-Markos, Zs. 6976
Puthucheary, S.D. 1995.
Putney, S.D. 4926.
Putov, N.V. 9306.
Putter, I. 6006.
Puyt, J.D. 4575.
Py. M.-C. 12783.
Pyati, S.P. 2123.
Pyckavet, M. 11408.
Pyeatt, D. 308.
Pyhtinen, J. 9161.
Pyke, P.A. 3164.
Pyle, R.S. 10212.
Pyliotis, N.A. 94, 6049, 8933,
  10150.
Pysher, T.J. 961.

Qader, H.A. 6295.
Qadri, S.M.H. 1304, 2568.
Qian, H.L. 9852.
Qian, L.-J. 13183.
Qin, J.-C. 13014.
Qiu, M.-Q. 10919.
Quade, D. 10522, 10585.
Quall, C.O. 319, 699, 4699.
Quan, T.J. 5554.
Quarles, C. 5455.
Quarles, C.L. 13406.
Quartey, G.R. 6306.
Quay, J. 5704.
Quayle, J.R. 12453.
Que, L.,Jr. 4872.
Queener, S.W. 11349.
Queneau, P. 5394, 7399.
Quenin, P. 13286.
Quentin, R. 390.
Querini, C. 3842.
Quesenberry, K.H. 2432.
Quesnel, C. 2242.
Quesnel, L.B. 5615.
Qui, Y.-J. 11651.
Quie, P.G. 5232, 6069, 6088,
  8964, 10222.
Quietzsch, V.J. 5358.
Quigley, M. 8736.
Quillardet, P. 12766.
Quilleriet-Eliez, A. 11445.
Quilliam, M.A. 1436.
Quilt, P. 1189, 1196.
Quinlan, M. 8533.
Quinn, E.L. 309.
Quinn, R.W. 7082.
Quinn, T.C. 2158, 5345.
Quinones, F.J. 2283, 3311.
Quint, A. 9908.
Quintana, J.A. 8854.
Quintiliani, R. 11860, 13220.
Quirino, T. 7006.
Quispel, A. 2502, 6510.
Quraishy, M.S. 957.
Qureshi, A.A. 5566.
Qureshi, N. 1577.
Qvigstad, E. 7906.
Raa, J. 10972.
Raahave, D. 5435, 10382.
Raaijmakers, J.G.A.M. 12717.
Raatjes, G.J.M. 8873.
Raba, J. 4447.
Rabagliati, A.M. 4290, 9226.
Rabbani, G.H. 11785.
Rabe, E. 11020.
Raber, I.M. 977.
Rabi, T. 5323.
Rabin, H.R. 382, 11594.
Rabinowitz, J.C. 1457, 4884,
  5708, 6587, 9729.
Rabo, E. 4391.
Rabotnova, I.L. 11013.
Rabson, A.R. 1894.
Raccach, M. 3083.
Raccah, B. 7295, 12097.
Rachel, R. 11108.
Rachkus, A. 162.
Rachkus, J.A. 12586.
Racovita, V. 4430.
Rad, M.A. 4589.
Radaelli, F. 6784.
Radany, E.H. 5854.
Raddi, G.S. 11466.
Radding, C.M. 4107, 9823.
Rade, S. 2760.
Rademaker, P.M. 537.
Radenbach, K.L. 11719.
Radford, A.J. 456.
Radford, N.J. 976.
Radhakrishna, G. 4571.
Radics, L. 7733, 11251.
Radin, R.C. 3154.
Radkowski, M.A. 11711.
Radnai, B. 6119.
Radominska-Pyrek, A. 1602.
Radwan, S.S. 12364.
Rae, A.G. 8123, 8124.
Raeber, K. 3296.
Raeder, R. 8766.
Raeisaenen, S. 12957.
Raesaenen, L. 5236, 6922.
Raesaenen, T. 2201.
Raether, W. 5984.
Raettig, H. 11647.
Raetz, C.R.H. 1284, 4952, 6655.
Raetz, K.-H. 8805.
Raevuori, M. 7275.
Raff, M.J. 326, 5298, 10453.
Raffel, L. 6212, 13189.
Rafter, J. 9323.
Rafter, J.J. 13068
Rafuse, E.M. 2049.
Ragab-Depre, N.J. 12157.
Ragas, G. 1772.
Ragavichius, A.B. 12677.
Raghavendra Rao, M.R. 1483, 3982.
Raghunath, D. 406.
Ragin, R.C. 7546.
Ragnaud, J.-M. 8001.
Ragni, N. 10595.
Ragot, M. 1473.
Rahal, A. 9167.
Rahal, J.J. 4495.
Rahal, J.J.,Jr. 975, 8047
Rahaman, M.M. 544.
Rahemtulla, B.M. 8982.
Rahill, W.J. 6312.
Rahim, A. 9452.
Rahman, M. 812, 7872, 7977.
Rai, G.P. 10151.
Rai, H. 12185.
Rai, R.N. 10745.
Raibaud, O. 11062.
Raibaud, P. 1123, 13415
Raichvarg, D. 6883, 11751.
Raimbault, P. 11768.
Rainbauer, H. 12946.
Rainbow, S. 10136.
Raines, R. 7557.
Raithel, W.F. 7285.
Raj, J. 9453.
Rajagopalan, S. 5943.
Rajala, M. 710.
Rajan, V.S. 1725, 2169.
Rajannan, G. 7319.
Rajaramamohan Rao, V. 1173, 1216.
Rajarmamohan Rao, V. 5511.
Rajashekaraiah, K.R. 3485, 3501.
Rajatanavin, R. 10497.
RajBhandary, U.L. 1621.
Raje, D. 9247.
Raji, J.A. 4611.
Rajouria, V.P. 8077.
Raju, B.C. 1327, 2410, 6402,
  7305, 8899, 9406, 10744, 11486.
Raju, G.D. 11670.
Rak, B. 9841.
Rak, G. 7718, 7812, 11422.
Rake, J.B. 9581.
Raker, M.A. 2850.
Raker, M.L. 6895.
Rakhimbaeva, R.A. 589.
Rakovskaya, I.V. 8992,
Rakusan, T. 6234.
Raleigh, E. 4631.
Raleigh, J.W. 6166.
Ralovich, B.Sh. 7096.
Ralston, E.J. 5536.
Ralt, D. 7468.
Ram, B.P. 8831.
Ram, N. 3742.
Ram, S. 1867.
Ramabadran, R. 12587.
Ramachandran, L.K. 45
Ramadan, A. 7421.
Ramadier, J.O. 7175.
Ramage, P.I.N. 1382.
Ramakrishna, C. 8211.
Ramakrishna, N. 264, 41
Ramakrishnan, C.V. 617
Ramakrishnan, R. 3620.
Ramakrishnan, T. 2695.
Ramakrishnan, V.R. 390
Ramamurthy, R.S. 2123.
Ramanath, K.R. 4541.
Ramarao, P. 10769.
Ramasamy, K. 3792.
Ramaswamy, V. 3628, 88
Rambaud, J.C. 1922.
Rambhav, S. 4186, 1291
Rambow, V.J. 9368.
Ramdev, I. 406.
Ramdhane, K. 13310.
Ramfjord, S.P. 6951.
Ramirez Acosta, J. 2247.
Ramirez-Ronda, C.H. 171
  7004.
Ramirez, J.M. 12489.
Ramirez, L.C. 2042.
Ramirez, M. 3149, 3150.
Ramisse, J. 11445.
Ramos-Cormenzana, A. 54
  6441, 9631, 10874, 121
Ramos, A.H. 9411, 9415.
Ramotar, K. 2772.
Rampart, M. 493.
Ramphal, R. 3420.
Rampon, S. 3535, 4462, 5
Rampsch, B.J. 11259.
Ramsay, M.A. 12395.
Ramseier-Grossmann, K. 3
Ramsey, J.A. 7503.
Ramsey, P.G 5209.
Ramwell, P.W. 10081.
Rana, C. 4494.
Rana, D.S. 5413.
Rana, R.S. 8831.
Rand, C.G. 10326.
Rand, K.H. 3420.
Randall, C.J. 6363, 13046.
Randall, L. 8541.
Randhagen, B. 13010.
Randisi, E. 3036, 4188.
Raney, J.P. 12534.
Ranganatha, H.G. 6338.
Ranganathan, B. 1627, 4942
Ranganayaki, S. 12730, 1347
Ranhand, J.M. 8740.
Ranney, R.R. 6101, 6915.
Ransom, N. 7148.
Rao, A.B. 3507.
Rao, A.R. 5047.
Rao, B.N. 10297.
Rao, C.J. 1024.
Rao, J.T. 5138.
Rao, K.K. 3934, 11115.
Rao, K.N. 8017.
Rao, K.N.P. 6377.
Rao, K.V. 420, 3846.
Rao, K.V.B. 8841.
Rao, M.R.R. 174.
Rao, M.S. 5335.
Rao, M.V.R. 4000, 4870.
Rao, P.S. 5141, 12977.
Rao, R.R 10559.
Rao, R.S. 3044.
Rao, U. 4405.
Rao, V.N. 6377.
Rao, V.N.A. 12077.
Rao, V.R. 2435.
Rapaport, E. 11939.
Rapapport, E. 10687.
Raper, C.D.,Jr. 4640.
Raphael, B. 13107.
Rapin, M. 486, 1976, 6280,
  7155, 8074.
Rapmund, G. 6046.
Rapola, J. 483.
Rapolthy, I. 9031.
Rapoport, C. 13355.
Rapp, P. 8556.
Rappuoli, R. 1637, 12994.
Raque, G. 13407.
Rasche, E. 3118.
Rashad, A.L. 2996.
Rashchinsky, M.I. 3366.
Rasheed, J.K. 8027.

S.A.A 708
ian, A. 11429
G. 4304
v, V.K 12598
sen, E.O. 11100.
sen, K N. 12010
A. 12094
zadegan, M. 8675.
, N. 1340, 4221, 5659
F.I. 13066
apee, S. 11907
vararak, M. 10496
, R.M. 12076
e, H.D 2465
e, N.A. 2401
ne, R. 778.
der, E L 5539
m, M L 291, 294 7736, 11345
e, T R 1223
er, A 9300
sky, D A 5649
ge, C 5666, 12294
, T.L. 1556.
n, A.V. 9192, 10434.
n, S. 7012.
, G.L. 2303.
, R E 2225
abenina, R. 8613.
hko, V.A 6986.
J.L. 933, 10408
P 5400
stein, Y I 1654
nan, G 3991, 7777
, N 4373
zoni, C 6982
, J M 9107
T J 6230
, A.K 12128
ngs, D E 5641
ngs, N 4817
ns, J 9250
ns, M D 5341
A 12504
B 7600
B.K 6579, 11075
D S 7690
R 9091
eld, G W 7408
ian, M K 4
ond, R. 4511
ond, R M 1832, 5174, 5179
or, L E 2381
or, R H 168
R 12025
vi-Rohani, M 5479
ash, M P 8322
n, S 73, 2620, 7665, 508, 10962
uddin, K 2314
t, U. 9888
T H 688, 13091
l, R C 12003
l, S.E 10557
ing, C 5758, 7577, 11166, 400
ing, J.C. 11702
n, L W 6769
nney, D.C 456.
rdon, J.P 12927
sor, M.J. 6107
attu, P 4478
er, H 847
er, H H 10988
ers, P A 621
hun, W C 6361
ora, A 8998
hav, Y 7293
tor, W G ,Jr 5411
l'kina, T V 2431
iaelli, A 11135
lborg, A.H 3071
lding, P J 7144
dy, B S. 12080
dy, C.A. 8320.
dy, C.N. 9644.
ddy, C.R.R.M. 10297
ddy, J. 10601.
ddy, K.R. 3708
ddy, N.R. 5964
ddy, O.R. 8941.
ddy, P.R. 9408
ddy, P.S. 406.
dente, E.F 5516
dfield, A.G. 4811
dfield, D.R. 3437.
dhead, K. 12637
di Orienti, M. 10631
dianu, C. 9128.
dkina, T.V. 10865
dmann, Th. 4330
dmond, J.W. 11231.
dpath, J.L. 2698, 4795.
e, G.H. 8962
ece, R.L. 4334.
Reed, C. 967
Reed, G.H 4812
Reed, G.L. 13444
Reed, H W 4863
Reed, J R 8215
Reed, L.J. 202
Reed, R 7692
Reed, T A.G 2207
Reed, W.M 5605
Reed, W.P 618, 1895, 6948, 11839
Rees, B. 3883
Rees, M 9313
Rees, R.J W 3280, 13011.
Reese, H. 11876
Reeve, C.A. 5780
Reeves, D.S 11425
Reeves, F.B. 5516
Reeves, H.C. 3969, 5761, 7551, 11259
Reeves, M.W 2800, 7907
Reeves, P. 7650
Regan, J.A. 870
Regelmann, W.E 10193.
Regelmann, W.R 6069
Regensburg-Tuienk, T J.G. 12807
Regensburg-Tuink, T.J.G. 5037
Reger, R.C. 3231
Reggiardo, Z. 1974, 4199
Regier, D.A. 1453, 11312
Regina, D. 2069
Regli, F. 6235.
Regnier, B. 11906
Regoes, J. 1336.
Regueiro Valera, B. 5396.
Reh, M. 6715
Rehacek, Z. 8456
Rehfuess, K.E. 10757
Rehg, J.E. 8119.
Rehm, H.J. 7441, 7443, 8423, 8435, 10993, 12365
Rehn, D 5977
Rehn, H. 5977
Reich, C.V. 694
Reich, M 1660
Reich, R.R 9527
Reichard, D W. 3121
Reichardt, W 12418
Reichart, B 2252
Reichek, N 953
Reichelderfer, C F 10980
Reichelt, J.L 25
Reichenbach, H 2840, 7713, 11361
Reichertz, C. 3516
Reichman, L.B. 11753.
Reichmann, G. 5268
Reid, A.C 2152
Reid, B L 2327
Reid, B.R 6585
Reid, G.A 7485
Reid, G.G. 12261
Reid, H. 1881.
Reid, H W 5262
Reid, J H 60, 2595
Reid J M 7165
Reid, L R 2757
Reid R J 7813
Reid, R.M S. 904
Reid, S.J. 2622, 5564
Reid, T.M.S 10428, 13313
Reider-Grossvasser, I 10423
Reif, J.S 3189, 8115
Reiff, I. 12365
Reiffers, J. 1931.
Reifler, C.B 9227
Reiher, D.A. 7606
Reilly, C.F. 11106
Reilly, C.S. 10386
Reilly, S. 1983
Reilly, W.J 816, 3487
Reimann, K. 8925
Reimer, L.G. 377, 1258, 2271, 4765, 7783
Rein, M.F 13227
Rein, M.R 3787
Reina, R.A 8838
Reinarz, J.A 685
Reinberg, D. 4128
Reiner, R 8038
Reinert, W.R 9760
Reines, H.D. 4394, 11988
Reingold, A.L. 10098, 10118, 10409
Reinhardt, D.J. 8818
Reinhardt, G 4961, 7733, 11251
Reinhardt, R. 3905
Reinhart, J.H. 3498
Reinitz, E. 2311
Reinoso Martin, A. 9253
Reinprayoon, S. 4414
Reis, B.A. 1821.
Reis, R. 7245, 7267
Reisbig, R.R. 7586.
Reisenauer, A. 8462.
Reiser, R.F. 7033, 10129.
Reish, D. 2499
Reisine, S. 11688
Reiss-Levy, E. 4481.
Reiss, C 6571.
Reitan, L J 3240
Reiter, B. 1779
Reitsma, S Y. 10683
Reitzer, L.J. 12629
Reizer, J 5612
Rek-Haus, S.K. 9006
Rekola, M. 6153
Rela, L. 2793
Rella, M. 10057
Reller, L.B. 377, 1258, 2112, 2512, 3353, 4765, 6206, 6778, 6807, 6817, 7022, 7783, 9134.
Remaut, E. 5028, 8678
Remillard, F. 3410.
Remmel, R.P. 5449
Remmers, E.F 6448
Remmers, G.A. 3155.
Remy, P. 4828.
Ren, D.M. 12852
Renard, M. 2675
Renault, L. 10929.
Renaut, J. 9439.
Rene, P. 10144.
Rengaraju, S. 5038.
Renkonen, O.-V. 11812.
Renkonen, O.V. 801
Renner, E D. 10894
Rennert, O.M. 9175
Rennie, R.J 8298, 12135.
Rennie, R.P 1753.
Rensimer, E.R 4217, 5367
Renstroem, L.H.M. 8906.
Renthal, R 3881, 6556.
Renton, P. 3503.
Renz, B 1769
Renzini, G. 7777.
Repanovici, R. 1694.
Repesh, L.A. 9578
Repetto, H. 11851.
Repine, J.E. 3196.
Requadt, C. 12327
Reshetnyak, V.I. 12999
Resibois, A. 8718.
Resis, C. 272
Resnick, D. 6305.
Resnick, I.G. 3771.
Resnick, J. 11098
Rest, R.F. 541, 6909
Restaino, L. 3082
Retey, J. 3977
Retico, A. 8790
Retsema, J.A. 361
Retter, M.E 2558
Rettig, P.J 2151, 4434, 7045, 8986.
Reunanen, M 566.
Reusch, R.N. 11232.
Reusch, V.M.,Jr. 12732
Reutimann, H 3942
Reuveni, Y 6597
Revankar, C.R. 11603, 11670
Revel, H.R 7673
Reverdy, M.E. 2221, 6141, 6281, 11653.
Revert, L. 13304
Revollo, A. 2065
Reybrouck, G. 10026
Reyes, J.M. 5340.
Reyes, O 1646, 5001
Reyes, R.C. 12092
Reyes, V.G. 3698
Reynaert, M. 6174
Reynaldo, E. 12226
Reynolds, E.C. 1111, 2832
Reynolds, H. 7312
Reynolds, J. 2279, 11895.
Reynolds, K.L. 12093
Reynolds, P.E. 2583, 4181.
Reynvaan-Groendijk, A. 7095
Reysset, G. 2856, 8688
Reyt, E. 13222.
Rezaev, A.A. 6074
Reznik, S.R. 12644, 12966.
Reznikoff, W.S. 4105, 4139
Rhea, J.T. 8066
Rhee, S.G 5777.
Rheinberger, H.-J. 2711.
Rheinheimer, G 8228, 8241, 12169
Rhoades, K.R. 3050.
Rhodes-Roberts, M.E. 13544.
Rhodes, B 9076.
Rhodes, C.S. 6704
Rhodes, J.M 11615.
Rhodes, P.M 2962.
Rhymes, M. 4170.
Riabchuk, V.A. 12571
Riambau, E. 10398
Ribalta, T. 13304.
Ribas-Mundo, M. 2313.
Ribaudo, T. 7173.
Ribbons, D W. 288
Ribeiro, M.F.B. 7245, 7267.
Ribero, M.L. 4310, 4346, 4352.
Ribi, E. 3251, 9009, 11239.
Ribier, J. 1647, 10935.
Ribierre, M 9235
Ricca, C.S. 2975
Ricci, A. 12941.
Ricciardi, I.D. 7959
Rice, D.H. 2260.
Rice, D.L. 12165.
Rice, E.L. 2439.
Rice, J.M. 8411.
Rice, L. 11970.
Rice, P.A. 930.
Rice, T.W. 3501
Rich, G.E. 5427, 6286
Rich, J.E. 10652
Richard, C. 6394.
Richard, G.A. 11826, 13186.
Richard, J. 8288.
Richard, J.L. 1097.
Richard, Y. 13326.
Richards, D.G. 10531.
Richards, E 10622
Richards, E.L. 7807.
Richards, G.K. 393, 1972.
Richards, H. 457, 6752, 9891, 10060
Richards, N.L. 10803
Richards, R.B. 8879.
Richards, R.M E 7862.
Richards, W.D 3774
Richardson, B.C. 4020.
Richardson, C.C. 5011
Richardson, G. 3264
Richardson, J. 6388.
Richardson, J.D. 771.
Richardson, J.F. 7386.
Richardson, J.P. 7521.
Richardson, P.E. 12101, 12107.
Richardson, S.H. 4235.
Richarme, G. 8359, 8372, 8538, 12291.
Richeson, M.L. 9397.
Richman, S.P. 3251
Richmond, D.M. 2184.
Richmond, M.H. 5061, 12836.
Richmond, S. 6115.
Richmond, S.J. 3178, 7088
Richter, D. 2693.
Richter, E. 3448.
Richter, P. 2724
Richter, R. 2281
Richter, W.J 2981, 6772.
Ricicova, A. 8456.
Rick, P.D. 7660, 8710, 13015.
Rickard, P.A.D. 8620
Rickert, M. 3842
Rickwood, A.M K. 10433.
Rico, G., 7974.
Riddell, D.O. 6321
Riddle, C.F. 815, 3362.
Riddle, G.D. 12729.
Riddle, L.M 1804.
Riddle, M.M. 11509.
Ridel, P.-R. 5222.
Ridell, M 1294.
Ridgway, G.L. 8005, 13191.
Ridgway, H.F. 12962.
Ridley, D.S. 688, 3279, 9018, 11609.
Ridley, M J 8957, 9018.
Riecken, E.O. 10364
Riedasch, G. 5217, 5629
Rieder, H. 4072
Riegel, J. 8048
Riegelhaupt, R.W. 4470
Rieger-Hug, D. 4985.
Riemann, J.F. 1023
Riemenschneider, Th. 13404
Riendeau, D 4913
Rienhardt, P. 3923.
Rienhoff, E. 7217
Riesner, D. 3901
Riesner, R. 9122
Riess, F.C. 1677.
Riess, G 9864
Rietschel, E.T. 11236
Rifaat, A.H.M. 5320.
Rifkin, B.R. 13116.
Rifkin, G.D. 3408, 4415, 7017
Riganti, M. 11771.
Rigaud, J. 3694.
Rigaud, J.L. 8379.
Rigby, C.E. 3617, 6348, 10654, 10655
Riggan, L.J. 718.
Riggs, D.L. 8683
Riggsby, W.S. 4823.
Righetti, B. 12021.
Righetti, T.L. 2437.
Righter, J. 2181, 6279
Rigler, R. 12526.
Rigney, D. 12516
Rigomier, D. 1574.
Rihs, J. 9092
Riise, E. 12811
Riising, H.-J. 13054
Rijgersberg, C.P. 7483.
Rikihisa, Y. 10230
Riklis, E. 11468.
Riley, A.E 12070.
Riley, H.D.,Jr 5378
Riley, I.D. 616, 7194.
Riley, J. 10776.
Riley, P.F. 2832.
Riley, P.S. 6474
Riley, T.V. 6841
Rill, R.L. 4043.
Rillo, A.R. 10740.
Rimler, R.B. 621.
Rimmer, D. 7121.
Rimpela, M. 710.
Rimpler, M. 13397
Rin, H.S. 6146.
Rinaldo, C.R.,Jr. 20.
Rindsig, R.B. 10657
Rinehart, K.L.,Jr. 5811, 9921.
Ringden, O. 6289
Ringelberg, M. 13115.
Ringelmann, R. 763
Ringertz, O. 8029.
Ringrose, P.S. 1732, 11463.
Rink, R.D. 3630, 13407.
Rios, A. 3251.
Riottot, M.M. 620.
Riou, J.-Y. 920.
Riou, J.Y. 5118.
Ripa, K.T 9501.
Ripamonti, A. 2965
Ripoll, J. 1739.
Rise, J. 1957.
Riser, E. 1317.
Risk, W.S. 1822.
Rissing, J.P. 3153.
Ristaino, P. 6308.
Rister, M. 563.
Ristic, M. 4245, 6046.
Ristich, S.S. 6006.
Ristuccia, A.M. 11404, 12002.
Risuleo, G 1511, 5864, 12860
Ritchie, D.F. 9407.
Rits, M. 9103.
Rittenberg, S.C. 227, 1571.
Rittenburg, J.H. 13418.
Ritter, G. 2174.
Ritter, J. 13078.
Ritts, G.D. 11305
Ritz, E. 5217, 5629.
Ritz, R. 7291
Ritzenthaler, P. 6691.
Ritzerfeld, W. 5332.
Rivas, L. 9752.
Rivera Hernandez, F. 877.
Rivers, R.P.A. 7208.
Rivetti, I. 1893.
Riviere, F. 11299
Rivner, M.H. 11844.
Rivola, G. 7744.
Rizzo, J.D. 5652
Rizzo, M. 7032, 10393.
Roa, M. 269
Roach, R.T. 10651.
Roane, C.W. 1141, 1148
Robaczewska, E 8917.
Robaker, D.K. 5187.
Robakis, N. 6749, 11131
Robayo, J.R. 10588
Robb, F.T. 1469, 12663.
Robb, J.A 11934.
Robberts, T.A. 8422.
Robbins, A.H. 8520
Robbins, J. 2947
Robbins, J.B. 4273, 5197.
Robbins, J.E. 4070
Robbins, J.W 9081
Robbins, P.W. 8691.
Robbins, R.N. 7033, 10129.
Robel, G. 9811
Roberston, D.C. 4234
Robert-Baudouy, J. 11269.
Robert, A 6018
Robert, D. 1444, 3244, 6117, 11721
Robert, H.G. 10392.
Roberton, D.M. 596.
Roberts, A. 3362
Roberts, A.P. 3045, 5952.
Roberts, C.M. 5784.
Roberts, D. 11398, 13158.
Roberts, D E 6056.
Roberts, D.L. 9392, 13443
Roberts, E.M. 960.
Roberts, F.J. 3415
Roberts, G.C.K. 5748, 7553, 9781, 11155, 11168.
Roberts, G.D. 7804, 12232, 13254.
Roberts, K.R 2668.
Roberts, L. 7232.
Roberts, M. 394.
Roberts, M.C. 7839, 9986
Roberts, M.D. 4124.
Roberts, N.J.,Jr. 9108.
Roberts, P.B. 12950.
Roberts, P.M. 2959.
Roberts, P.V. 12939.

Roberts, R. 2216
Roberts, R.B. 1259, 7199.
Roberts, R.C. 6039.
Roberts, R.J. 4111.
Roberts, T.A. 474, 1796, 8252, 8287, 8288, 8289, 8290, 8291, 8292, 8421, 8591, 8728, 8819, 8935, 8936, 9230, 9231, 9232, 9450, 9499.
Roberts, W.C. 5368.
Roberts, W.R. 733.
Robertsen, B.K. 6667.
Robertson, A.G. 4328.
Robertson, A.J. 9073.
Robertson, B.R. 2478
Robertson, C.A. 4840.
Robertson, D.C. 471, 5182.
Robertson, G.M. 2350, 4328
Robertson, I.G.C. 1328
Robertson, J. 5623, 6301.
Robertson, J.A. 306, 3788, 3838.
Robertson, J.G. 5538.
Robertson, J.M. 6574, 6578, 6582.
Robertson, J.N. 1344
Robertson, L. 7358.
Robertson, M.L. 10814.
Robertson, P. 921
Robertson, P.B. 2364.
Robertson, R.G. 2762.
Robertsson, J.A. 8906, 9021, 10175.
Robijns, J. 1074.
Robillard, G.T. 7579, 7580, 8355
Robins-Browne, R. 1849.
Robinson, A. 474, 1796.
Robinson, A.D. 4876.
Robinson, A.E. 3934
Robinson, B.L. 2081
Robinson, C.S 12369.
Robinson, D.A. 2000, 3352, 4417.
Robinson, D.T. 10124, 10853, 13248.
Robinson, F.J.M. 3367
Robinson, J. 2551, 3120, 10071.
Robinson, J.J. 11043, 11162.
Robinson, J.M. 2098, 8338, 12371, 12388, 12683.
Robinson, J.P. 5153.
Robinson, N.M. 2228.
Robinson, O.M. 3223
Robinson, P.S. 8043.
Robinson, R.C. 3646
Robinson, R.G. 3470, 7772.
Robinson, R.J. 6132.
Robinson, R.M. 8870
Robinson, T.J. 5238.
Robinson, W.A. 4342, 5234.
Robinson, Y. 8088.
Robison, R.A. 6031.
Roblee, P. 6343.
Robrish, S.A. 5284, 5446
Robson, A.D. 4622.
Robson, H.G. 1019.
Robson, M.C. 5430.
Rocchiccioli, K. 10341.
Rocco, V. 6802.
Roch, P. 6066
Rocha Medeiros, E.H.G. 9038
Rocha, H. 2065, 7152, 11805.
Roche, G. 3551, 6268, 9304.
Roche, M.-C. 9255, 9299.
Rochemaure, J. 8046
Rochon, Y.P. 12611.
Rocino, A. 256.
Rock, C.O. 2810, 4857.
Rock, W.P. 736.
Rockemann, D.D. 4350.
Rockette, H.E. 13129.
Rockhill, R.C. 7827, 8282, 10887, 12995, 13240.
Rocourt, J. 11301.
Roda, L.G. 4230, 12982.
Rodat, O. 13281.
Rodbell, M. 6859
Rode, H. 12626.
Rode, L.M. 2637.
Rodeheaver, G. 10524.
Roder, J.C. 3166.
Roderick, C.N. 465.
Rodger, R.F. 2355.
Rodgers, C.J. 2565.
Rodgers, C.P. 10959.
Rodgers, F.G. 9002, 12290.
Rodgers, L.J. 1108.
Rodicheva, E.K. 12485, 12490, 12694.
Rodier, F. 272, 6571.
Rodighiero, P. 11456.
Rodionova, E.G. 12265.
Rodloff, A.C. 7852.
Rodman, H.M. 9055.
Rodolakis, A. 1081.
Rodrick, G.E. 11929.
Rodrigo, N. 8779.
Rodrigues Pereira, M.T.P.R. 9547.
Rodrigues, U.M. 9519, 12214.
Rodriguez Caceres, E.A. 12204.
Rodriguez Jornet, A. 10353.
Rodriguez-Bravo, S. 1530.
Rodriguez-Iturbe, B 857, 3379.
Rodriguez-Tebar, A. 9991, 10941, 11126.
Rodriguez-Valera, F. 6441, 9631, 9975.
Rodriguez, A. 330, 362, 4810, 11959.
Rodriguez, A.S. 8036.
Rodriguez, F. 6787.
Rodriguez, L.M.S. 8036.
Rodriguez, M. 2909, 10426.
Rodriguez, M.M. 13266.
Rodriguez, M.S. 781.
Rodriguez, R.L. 6713, 8811.
Rodriguez, S. 7063.
Rodriguez, S.R. 13136.
Rodriguez, V. 3268.
Rodriguez, V.L. 5303.
Rodriguez, W.J. 738, 3490, 5399, 7062, 13153.
Rodwell, A.W. 12343.
Rodwell, B.J. 17, 9047.
Roe, M. 3353.
Roe, S.F. 6045
Roeder, P.L. 3610
Roehl, R. 11065.
Roella, G. 435.
Roellich, R. 9887.
Roelofsen, W. 5521, 10783.
Roels, J.A. 8276, 12461.
Roemer, A. 6561, 6773.
Roemer, J. 11127.
Roemer, W. 9010
Roennberg, M. 4866.
Roennerstam, R.A. 7097
Roesch, P. 7526, 11084
Roesch, W. 1023
Roesel, O.F. 3139
Roessler, P.G. 9696
Rofe, A.M. 8866.
Roger d'Albert, Y. 11838.
Roger-Dalbert, Y. 2110.
Rogers, A.M. 1962.
Rogers, H.W. 9851.
Rogers, J. 9533, 9534.
Rogers, K.H. 13425.
Rogers, M.J. 12540.
Rogers, P.A. 1321.
Rogers, P.J. 9552.
Rogers, R.E. 1738.
Rogers, R.J. 7238.
Rogers, R.M. 1970.
Rogers, R.R. 11509.
Rogerson, A. 2423.
Rogez, J.P. 3535.
Roggenkamp, R. 5819.
Roghmann, K.J. 2051.
Rogler, C.E. 4608.
Rogolsky, M. 6757.
Rogosa, M. 11984.
Rohn, D. 9330.
Rohn, D.D. 787.
Rohrer, H.H. 7376.
Roig, M.G. 11153.
Roine, K. 7255.
Rojahn, A. 13269.
Rojas-Espinosa, O. 3177.
Rojas, J. 492.
Rojas, L. 5293.
Rojczyk, M. 3444.
Rojo, F. 9991, 11126.
Rokas, S. 4178.
Rokem, J.S. 3053.
Rokos, J. 8618.
Rokosz, A. 5192, 5193.
Roland, F. 10335.
Roland, M. 10383.
Rolandi, E. 10595
Rolandi, R. 9667.
Roldan, S.G. 10430.
Rolfe, B.G. 5509.
Rolfe, R. 13070.
Rolfe, R.D. 2524, 3014, 8851, 9945.
Rolinson, G.N. 1714, 3026.
Rollag, H. 3219, 11566.
Roller, P.P. 8652, 11347.
Roller, S.D. 11224.
Rollin, D. 4569.
Rollin, P.E. 4569
Rollins, C. 3810.
Rollins, M.H. 1843, 8975.
Rolston, R. 700.
Rolz, C. 9624.
Romac, S.P. 5820.
Romain, F. 8920.
Romaldini, H. 2011.
Roman, D.J. 5985.
Romancik, G. 8568.
Romanenko, V.I. 13507.
Romano, J. 3007.
Romano, J.M. 6140, 7035.
Romano, M. 11454.
Romano, N. 12670.
Romanova, A.K. 12348, 12676.
Romanovskaya, V.A. 12211.
Romanowska, E. 8363, 10950.
Romantschuk, M. 7670.
Romay Penabad, Z. 10903.
Rombo, L. 2120.
Romeiro, R. 4719.
Romeiro, R.S. 4944.
Romer, H. 7282.
Romero, A. 5563, 8936, 12208.
Romero, E. 12924.
Romero, G. 3917.
Romero, J.V. 9273.
Romestaing, P. 2286.
Romig, W.R. 11319.
Rommel, F.A. 584.
Rommens, J. 12536.
Romney, D.H. 8148.
Ron, E.Z. 12428.
Ronald, A. 3410.
Ronald, A.R. 333, 1753, 1787, 4518, 8795.
Ronco, E. 10261.
Ronda, C. 6728, 12304
Rondeau, J. 11490.
Ronnevik, P.K. 2308.
Ronsisvalle, G. 8844.
Ronsisvalle, L. 1823.
Ronson, C.W. 5538.
Rood, J.I. 3978, 11138.
Roof, W.D. 12812.
Rook, G.A. 6073, 10136.
Rook, G.A.W. 4315, 7949, 10211.
Roorda, I. 6054.
Roos, R. 7129, 7131, 7741, 13062.
Root, R.K. 10241.
Root, T. 2276.
Root, T.E. 1958
Roozendaal, B. 7664
Roper, A.L. 9094.
Roquet, F. 4209.
Rosa, R.R. 11597, 11645.
Rosachino, F. 6780.
Rosan, B. 5634, 8399.
Rosanelli, K. 637.
Rosaschino, F. 6991, 7133, 10345.
Rosato, F.E. 10516.
Rosazza, J.P. 8514.
Roscoe, J.V. 1243, 8427.
Rosdahl, V.T. 3065.
Rose, A.J. 806.
Rose, D.L. 2702, 10399.
Rose, E.T. 4362.
Rose, F. 7351.
Rose, H.D. 793.
Rose, J.E. 1840
Rose, J.G. 1000.
Rose, L.I. 681.
Rose, L.M. 11625.
Rose, L.P. 1106.
Rose, N.R. 4252.
Rosef. O. 12030
Rosen, A. 13007.
Rosen, B.P. 2650, 12960.
Rosen, D. 4769, 11123.
Rosenbaum, B. 9067.
Rosenbaum, J. 11807.
Rosenbaum, J.T. 6871.
Rosenbaum, R.J. 2218.
Rosenberg, A.H. 5036.
Rosenberg, C. 5510, 7065.
Rosenberg, E. 1337, 8646, 12301, 12697.
Rosenberg, E.S. 4371, 4372.
Rosenberg, E.W. 4176, 10288, 13076.
Rosenberg, H. 966, 1355, 5636, 12305
Rosenberg, L.E. 7406.
Rosenberg, L.T. 3848.
Rosenberg, M. 1337, 12301.
Rosenberg, N. 12022.
Rosenberg, P. 9174.
Rosenberger, J.K. 6336.
Rosenblatt, J.E. 2761, 10916, 12231.
Rosenbluh, A. 1618.
Rosenblum, E.D. 1755.
Rosenblum, W.D. 11046.
Rosenbusch, J.P. 5734, 8553, 12556.
Rosendaal, M. 5228.
Rosendal, K. 3065, 12026.
Rosendal, S. 47, 1812, 8277, 10123.
Rosene, K.A. 10117.
Rosenfeld, J.B. 3458, 9282.
Rosenfeld, S.A. 8701.
Rosenfield, A.T. 866.
Rosenhall, U. 3434.
Rosenkranz, E.J. 8658.
Rosenkranz, H. 2171.
Rosenkranz, H.S. 1585, 8658.
Rosenstein, B.J. 4398.
Rosenstein, D.I. 13104.
Rosenstreich, D.L. 1099.
Rosenthal, A. 5397.
Rosenthal, I. 11468.
Rosenthal, M.S. 9174.
Rosenthal, R.S. 1462, 5799.
Rosenthal, S.L. 8913.
Rosenzweig, D.Y. 6167.
Rosenzweig, S. 8615.
Rosival, L. 10607, 10828.
Roskoski, J.P. 1211, 1212.
Roslanowski, K. 3259.
Roslycky, E.B. 431, 1215, 8197.
Rosner, A. 8667.
Rosner, B. 8000.
Rosner, F. 936.
Rosner, S.M. 2312.
Ross, D.J. 8183.
Ross, D.S. 1174.
Ross, G.D. 6846.
Ross, G.W. 5115.
Ross, H.N.M. 1557, 8643.
Ross, J.K. 1006.
Ross, J.M. 3386.
Ross, J.W. 8905.
Ross, L. 3437.
Ross, M.J. 9822.
Ross, P.W. 4258, 9191, 10858.
Ross, R.F. 1112.
Ross, S. 13153.
Ross, S.A. 4214, 7858.
Rossall, R.E. 13348.
Rosselet, A. 1103.
Rossi Fanelli, M.R. 8830.
Rossi, E. 3036, 4188, 5325, 11716.
Rossi, G.A. 6982.
Rossi, W. 8650.
Rosskopf, W.J.,Jr. 7236.
Rossman, L.E. 4372.
Rossmann, M.G. 3999, 7544.
Rossmoore, H.W 8835.
Rosson, D. 4887.
Rosson, R.A. 7477.
Rosswall, T 8249, 9438, 9500.
Roszkowski, M. 1820.
Roszkowski, W. 9024.
Rote, N.S. 4341.
Roth, J. 4008, 4053, 4846, 6018.
Roth, J.R. 2883, 11320, 12752.
Roth, M. 1654, 5021, 9883, 12875.
Rothauge, C.F. 2074.
Rothe, F. 11562, 13000.
Rothenberg, J. 6187.
Rothenberger, K. 5056.
Rothkoff, L. 13284.
Rothkopf, M. 2234.
Rothman, J. 8061.
Rothman, S.W. 6021.
Rothrock, C.S. 3675.
Rothschild, B. 4995.
Rothschild, K.J. 6555, 9668.
Rothstein, G. 6376, 13022.
Rothwell, T.L.W. 6368.
Rotimi, V.O. 2929, 3261.
Rotmistrov, M.N. 10995, 12376.
Rotschafer, J. 3442.
Rottach, H. 11908.
Rottem, S. 3824, 6509, 8371, 9531, 11237, 12689.
Rotter, M. 9070, 11985.
Rotthauwe, H.W. 3360.
Rottini, G. 6111.
Rottman, E. 7201.
Rottoli, L. 4285.
Rottoli, P. 4285.
Rouach, T.M. 13143.
Rouaud, J.P. 3534.
Roubach, L. 7044.
Rouch, G. 3322.
Roudebush, P. 1758, 7870, 9992.
Roudier, J. 6275.
Rougemont, D. 3496.
Roughley, R.J. 3717, 8180.
Rougier, M. 13510.
Rouillard, J. 1121.
Roullet, E. 7220.
Roup, B. 11701.
Roupe, A.G. 3434.
Rouquet, Y. 3105.
Rous, S.N. 7029.
Rousseau, D. 4512.
Rousseau, D.L. 11157.
Rousseau, M. 13415.
Roussel, P. 9003.
Rousset, H. 10388.
Routa, V. 10663.
Roux, D. 6, 12070.
Roux, J. 7195, 7213, 11565.
Roux, O. 13107, 13222.
Rovati, V. 7006.
Rovelo Diaz, C. 3384.
Rovenskaya, T.A. 13307.
Roveri, P. 8839.
Rovito, V. 9165.
Row, A. 8217.
Rowe, B. 833, 3610, 4443, 6468, 6746, 8744, 9907.
Rowe, G.T. 10808.
Rowe, J.J. 6816, 12403.
Rowland, I. 3561.
Rowland, M.G.M. 2040.
Rowlands, B.J. 10531.
Rowlatt, A.M. 8271.
Rowley, B.I. 1411.
Rowley, D. 1854, 1855
Rowley, D.B. 5127.
Rownd, R.H. 12800.
Rowse, A.J. 12058.
Rowsome, W. 1686.
Roy, A.A. 108.
Roy, M.K. 11075.
Roy, N.K. 8612.
Roy, P. 4763, 12513.
Roy, R.N. 8591.
Roy, S. 6937, 11837.
Roy, S.K. 12923.
Royal, G.C. 10142
Royal, N.J. 4926.
Royle, P. 4133, 10001.
Royo, G. 3271, 6797.
Royse, D.J. 8253.
Rozanova, E.P. 11014,
Rozell, B. 11129.
Rozenberg-Arska, M. 31
Rozgonyi, F. 8382.
Rozina-Petrova, N.S. 133
Rozing, P. 7095.
Rozman, C. 2313.
Rozynov, B.V. 4084.
Rubbiani, L. 944.
Rubens, C.E. 10605.
Rubi, E.G. 3367.
Rubin, A.B. 4790, 12297
Rubin, L.G. 8816.
Rubin, M.B. 12280.
Rubin, R.R. 8949.
Rubin, S.J. 10900.
Rubink, A.J. 4621.
Rubinoff, H. 4425.
Rubinovitz, C. 8646, 126
Rubinow, A. 924.
Rubinstein, E. 398, 5291,
Rubinstein, J. 12615.
Rubio Fernandez, M.C. 9
Rubio-Calvo, M.C. 10010
Rubio, H.L. 781.
Rubio, J.J. 1012.
Rubio, L. 857.
Rubio, V. 12580.
Rubira, R.J. 7279.
Ruble, D.N. 10127.
Rublee, P.A. 8232.
Ruby, A.L. 1092.
Ruby, E.G. 5676.
Rucco, V. 6318.
Ruckdeschel, G. 9101.
Ruckerbauer, G.M. 1068.
Rudbach, J.A. 8967.
Rudd, D. 7065.
Ruddock, G. 861, 5314.
Rude, T.A. 13063.
Ruden, H. 10481.
Rudenko, A.V. 13069.
Rudenskaya, G.N. 11213.
Ruder, C.A. 2371.
Ruderman, A.E. 5053.
Rudichenko, V.F. 225.
Rudkowski, Z. 11958.
Rudnai, O. 9219, 9220.
Rudnicka, W. 8917.
Rudolph, K. 3118.
Rudolph, R.I. 5274.
Rudzit, E.A. 11452.
Ruebsamen, S. 5132.
Rueden, H. 10480, 10822.
Ruether, U. 8665, 12848.
Ruetten, B. 4749.
Ruettinger, R.T. 4788.
Ruffolo, E.H. 5383.
Rufner, R. 13358.
Rugendorff, E.W. 7998.
Rugg-Gunn, A.J. 1963.
Ruggieri, D. 7744.
Ruhnke, H.L. 2333, 10236.
Ruiz-Berraquero, F. 6441,
Ruiz-Bravo, A. 549, 7790.
Ruiz-Palacios, G.M. 821.
Ruiz, R. 4533.
Rukavishnikova, V.M. 624
Ruklisha, M.P. 11210, 124
Rule, J.T. 13098.
Rumans, L.W. 12995.
Rumbaugh, M.D. 8175.
Rumpianesi, F. 508, 2143,
Rund, D.G. 9653.
Rund, J. 1067.
Rundegren, J. 3236, 3266,
Rundgren, M. 8578, 9742.
Runnels, P.L. 10156.
Running, K.R. 13202.
Runquist, E.A. 4070.
Runswick, M.J. 11204.
Runyon, E.H. 10883.
Rupieper, N. 3383.
Rupp, W.D. 4976.
Ruppin, H. 11783.
Rupprath, G. 894.

irwa, F.R. 651, 7280
i, U. 9131.
B. 7086.
H.G. 534
M.G. 8733.
isky, N.M. 1750.
o, M. 11328.
, J. 948, 8061.
C. 11851
G. 10583
P. 9910
, R. 2827
ll, A.D. 12190
ll, B.W. 13293
ll, C. 2979
ll, D F 9018
ll, D R 11426
ll, E G 45
ll, G 740
ll, H. 6033
ll, I.J. 943.
ll, J.B 3556, 7222, 9324
ll, L M. 5636.
ll, M.W 3254
ll, P 3983
ll, R O 2208
ll, R R. 2344.
ll, R.R.B. 510, 4291, 6131
ll, S A. 2454
ll, S.W 1817
, E 2183
, D I 8242
, P 4094
, R 3476
R.J 11934
enbach, S 1650
, B F 12953
czak, Z 13077
la, W A 10406
erg, L 8603
eerts, P 5264
en, V P M G 3235
er, J M 1061
er, P 3833
loff, H 11453
kun, G.B. 6762, 9835
sschaert, J -M. 11478
gene, A V 12677
zo, W J 3692, 8168
ll, C 1245
ls, J 12544, 12546
n, A. 5402, 11632
n, D.M. 1037, 5438
n, J.L. 8823.
n, K.J. 3786.
n, M.J. 2336.
n, P.F.J. 4508
n, P.R. 7411
n, R.W. 3580, 6789
n, W.J.,Jr. 10495.
zanova, A.I. 13066
, M. 6783, 12292.
ckewaert, A. 3512, 3527, 3530.
den, H. 9082
der, R.W. 3371, 11757.
erson, C C 7568
ff, J -C 359
ff, J C 1704
land, L M 612
lander, C 1933
lander, H. 3290, 11693
lander, M. 1702.
lander, R. 5176, 9121, 12980
le, G.J.A. 1166, 1192.
merson, N. 10520
mikiewicz, M. 366.
yoji, M. 3916, 12784.
ypka, E.W 8314.
ys, G.J. 4641.
yshavi, P. 10991.
yter, A. 4221.
yu, D.D.Y. 4893.
zepcyk, C.M. 10209.

aah, A. 6308.
aal, E. 11878
aario, I. 5365.
aario, L. 5365.
aavedra, S. 1718.
aba, F. 4318.
aba, T.M. 7952, 10183.
abaou, N 6406
abatelli, F J 9936
abater, B. 5768.
abath, L.D. 11384, 11392.
abato, A.R. 551.
abbaj, J. 11734.
abe, H. 7652.
abelnikova, V.I. 2735.
abharwal, U. 10197.
abherwal, U. 970, 10488
abil, D. 12937.
abnis, S.S. 6836, 6837
abrido, J.L. 10091.
Saburova, T.P. 11363
Sacchetti, C. 3514, 6990
Sacchetti, L. 3325
Sacchi, A 9222
Sacchi, F. 532, 2322
Sacerdot, C 5707
Sachan, R.S. 1223
Sachdev, A.K 10421
Sachdev, O 3961
Sack, C.M 10424
Sack, D.A 812, 833, 10363, 11785.
Sack, R.B 3371, 4241, 11757
Sackin, M J 4684, 7393
Sacks, H.S 744
Sacks, L.E 10943
Sacks, T 3380, 10090, 10523
Saco, L.S 10089
Sacre, C 11002
Sadakane, N 5899, 12872
Sadan, N. 7143
Sadana, J C 4921
Saddler, J.N 9817
Sadecky, E. 4489
Sadiq, M 8166.
Sadler, J 11293.
Sadler, J.R 6771
Sadlowski, R.W. 11827
Sadoff, H.L. 11232
Sadoff, J C. 190, 3176
Sadovnikova, M.S 7539
Sadowski, P.L. 526
Sadykov, B.F. 12129
Saedler, H 1434
Saeed, Y.A 4648
Saegusa, J 10149
Saelinger, C.B 5175.
Saene, H.K F 10279
Saenko, A.S 5706
Saenz, C 984
Saenz, M C 8777, 8779
Saettler, A.W. 2412
Saez-Nieto, J.A 3404
Safarcik, K. 3932
Saffar, J.L 11695
Sagai, H. 9866
Sagami, H. 3964
Sagar, I.K 237, 2847
Sagardoy, M.A. 10796
Sage, M. 810
Saggar, S 5514, 5526
Saggers, B.A. 1271
Saha, B 11436
Saha, J.R 9653
Saha, K. 13084
Saha, M R 2039
Saha, S.N 8107
Sahagun, I 10871
Sahasranam, K V. 11666
Saheb, S A 463, 464, 2426, 9707, 13459
Sahl, H.-G 11412
Sahl, H.G 3360
Sahlin, M 8560
Sahn, S.A. 4387
Sahoo, M.S 1185
Sahota, S S. 9613
Sahrawat, K.L. 1199
Sahu, S.P 584, 6050, 8324.
Said, M.D 10881
Saier, M.H.,Jr 1541, 2799, 12646
Saif, Y.M. 1104, 10720
Saigot, T. 9129
Saihan, E.M 3282
Saikawa, I. 9964
Saikh, K.U 11436
Saiki, J 5327
Saiki, K 8470
Saiki, T. 2506, 4861
Saikku, P 2280
Sailer, J. 13060
Saini, A.S. 6175.
Saini, L.C. 13454
Saino, Y. 8768, 11353, 12588
Sainsbury, R. 3552.
Saint Girons, I. 8692.
Saint Macary, H. 8207, 10779.
Saint-Andre, P. 5222.
Saint-Georges, M. 13206
Saint-Guillan, M. 588.
Saint-Louis, G. 11993.
Saint-Prix, C. 3537.
Saintagne, J. 4575
Saito, A. 1994, 2524
Saito, H. 4758, 5011, 5824, 12815
Saito, K. 3973, 5738, 5949, 6901, 12635
Saito, M. 7254, 9966, 11626
Saito, S. 11272.
Saito, T. 2976, 3960, 9768, 9966, 11922.
Saito, Y. 2791, 3965.
Saitoh, Y. 2035, 9214.
Saitua, G. 7070
Sakagami, Y. 8725, 8781.
Sakaguchi, G. 5167, 6000.
Sakaguchi, K 4619, 6736, 12849
Sakaguchi, M 4757
Sakaguchi, O. 6009, 10108, 11510.
Sakaguchi, S. 6009, 6870, 10108, 11510
Sakai, H. 83, 3924, 3925, 11297
Sakai, J. 301
Sakai, S 4175, 8284, 8455, 9543
Sakai, T 3939
Sakaki, Y. 160, 2715.
Sakakibara, H. 3032, 4154, 4183, 4184, 4185, 7517, 8782, 11089
Sakakibara, I. 9344.
Sakakibara, Y. 4974, 8674
Sakamoto, I. 6682
Sakamoto, K. 5596, 7324
Sakamoto, S. 7773, 11393.
Sakano, T 8797
Sakano, Y. 184
Sakanyan, V. 1625
Sakata, T. 6476, 9635.
Sakazaki, R. 3793, 7750
Sakazawa, C. 8555
Sakharovsky, V.G. 130.
Sakka, K 4852, 12565.
Sako, T 4974.
Sako, Y. 7499, 7500
Saksena, S 7093.
Sakuma, M 11922
Sakuraba, M. 2102.
Sakurai, J. 6013
Sakurai, S 7324
Sakurai, T. 1477, 2966, 9917
Salama, M. 7830.
Salanitro, B. 6300
Salari, H. 7799
Salari, S.H. 1478.
Salas, J. 11959
Salas, J.A. 2627
Salaspuro, M.P. 10233.
Salassa, B. 3030.
Salberg, D.J. 6972
Salcher, O. 1397, 1493, 10992.
Saldana, L.R 5414
Saldana, W.H. 12171.
Salem, A. 7830.
Salem, H M. 2968
Salem, O. 4724.
Salemme, F.R. 3884.
Salerno, A. 13142.
Salgado, D. 5725.
Salgado, G. 3149, 3150.
Salinas, C. 3533.
Salinger, E. 11691.
Saliou, P. 325, 1707, 5064, 5082.
Salit, I.E. 368, 940, 2245, 7961, 10050, 10435, 10934
Salkin, I.F. 3636.
Salkinoja-Salonen, M. 5176
Salkinoja-Salonen, M.S. 12980
Sallaiova, Z. 10044.
Sallam, S. 6125.
Sallay, C. 554.
Salles, B. 9694, 11526.
Salles, C.A 3803, 4925.
Salmi, A 566.
Salmon, I. 12488
Salmon, J.E. 7199.
Salnikov, M.V 12472, 12482
Salomatina, I.S. 4978, 7663, 12572
Salome, M. 11652
Salomon, N. 796
Salomons, M.O. 10654
Saloniemi, H. 7255.
Salord, J.C 7779.
Salsac, L. 4645
Salser, W. 4144
Salton, M. 12999
Saltvedt, E.P. 10396
Saltz, G.R. 933.
Saltzman, P 6189
Saluja, A.K. 7571.
Saluk, P H. 6862
Salvado, M. 10398
Salvaggio, J.E. 593.
Salveson, A. 8299.
Salvini, P 10595
Salvo, M.D. 8907
Salyers, A.A. 3858.
Salzberg, S.P. 10361.
Salzman, G.C. 12244.
Salzman, N.P. 6597.
Sam, A.P. 5727.
Samagh, B.S. 1068
Samah, O.A 9615.
Samajpati, N. 5131.
Saman, E. 8678.
Samanta, R.K. 6428
Sambo-Donga, L. 9058
Sambrook, J. 9827.
Sambursky, J. 9173.
Samigdzhanova, M. 8165.
Sammartino, M.T. 7792.
Sammons, R.L. 2862.
Samoilova, K.A. 8487
Sampathkumar, P. 8583, 8584
Sampo, E.A. 2298
Samra, Z. 2609
Samraj, T. 4440.
Samson, R. 8144.
Samsonova, N.V. 7861.
Samsygin, S.A. 10205.
Samuel, J.L. 3638
Samuelov, N. 9636
Samuelson, J.S. 6121.
Samuelsson, G. 4270, 8937
Samuilov, V.D. 5686
San Clemente, C.L. 2740, 11488.
San Joaquin, V.H. 7045, 8986, 9175.
San Miguel, J.G. 13343.
Sanadi, D.R. 4250, 10823.
Sanae, N. 2318, 5417.
Sanai, D.Y. 4299.
Sanai, Y. 3129, 3187.
Sanavi, F 554, 13116.
Sancar, A. 4976.
Sanchez de San Lorenzo, A. 9927.
Sanchez Novials, A. 10353
Sanchez-Buenaventura, J. 5422
Sanchez-Madrid, F. 11110.
Sanchez-Teff, S. 10204
Sanchez, J.P. 3022
Sanchez, N. 982
Sanchez, P.G. 8888
Sanchez, R 2655
Sanchis-Bayarri Lahoz, V 13141.
Sanchis-Bayarri Vaillant, V. 13141.
Sanchis, R 3242
Sandanov, C.M. 12562.
Sandanov, Ch.M. 10908
Sandbank, U. 6868.
Sandbeck, K.A. 13521
Sandberg, A.L. 3169
Sande, M.A. 9335, 10532, 11847, 13133, 13209.
Sander, G. 11079.
Sandermann, H. 4904.
Sanders-Haigh, L. 1669.
Sanders-Loehr, J. 7569.
Sanders, A.C. 8936
Sanders, C.C. 3037, 3062, 3341, 5055, 9924, 12917
Sanders, C.V. 9221, 10402.
Sanders, G.L. 5341.
Sanders, J.K.M. 411.
Sanders, M. 3320.
Sanders, M.E. 2940
Sanders, R. 4631.
Sanders, R.L. 9735.
Sanders, W.E.,Jr. 3037, 3062, 3341, 5055
Sanderson, K.E. 1342.
Sanderson, P.J. 814, 11781.
Sanderson, T.L. 7093
Sandhammar, B. 3519
Sandholm, L. 11694
Sandhu, T. 4703.
Sandhyamani, S. 11837
Sandiford, J.A. 11786
Sandine, W.E. 59, 1652, 4977
Sandler, C.M. 3389.
Sandler, N. 2594
Sandlie, I. 8494
Sandoval, H. 8446
Sandra, P. 11222
Sands, M. 12280
Sandstroem, E. 36, 8029
Sandstrom, E. 8378.
Sandstrom, E.G. 8900
Sandven, P. 3460, 7356.
Sandyk, R. 7058
Sanem, J.A. 4218.
Sanfilippo, A. 3076.
Sanford, B.A. 9584, 12395
Sanghera, S. 12724.
Sangkhobol, V. 2424
Sangodkar, U.M.X. 12420.
Sangpetchsong, V. 8948
Sangree, M.H. 9137.
Sangster, G. 13087.
Sangster, L.T. 8089.
Sanguinetti, C.M. 13095
Sanhuesa, S. 3905.
Sanin, A.V. 11622, 13371.
Sankaran, R. 1277.
Sankaranarayanan, C. 3562.
Sankarankutty, M. 3545.
Sanke, P. 3558.
SanMiguel, J.G. 13213.
Sannia, A. 10595.
Sannohe, H. 9563.
Sano, Y. 8163.
Sanogho, S.T. 9439.
Sansonetti, P. 9830
Sansonetti, P.J. 517.
Sansonnens, R. 2535.
Santa Cruz, D.J. 13086.
Santa Rosa, C.A. 595, 2395, 7252, 9339, 9340, 11597.
Santamaria, L. 3149, 3150.
Santangelo, C. 1318.
Santhanam, U. 4099
Santiago, E. 4060.
Santiago, N.M. 2097
Santiago, R.T 9273
Santiago, S.T. 4637.
Santini, J.J. 6238.
Santivatr, D. 1071.
Santo, L. 12442
Santoni, G. 9274.
Santora, F.J. 2154.
Santoro, C. 6112.
Santos, E. 8598.
Santos, E.P. 9808.
Santos, H. 11107.
Santos, J.I. 4341, 5248, 6914.
Santosham, M. 4485.
Santus, R. 12480, 12495.
Sanuki, M. 9123.
Sanwal, B.D. 4858.
Sany, J. 3546.
Sanyal, M.A. 11745.
Sanyal, S.C. 1700, 8302, 8882.
Sanz, B. 1332.
Sanz, M.P. 8147.
Saoji, A.M. 1723.
Sapico, F.L. 845, 9251.
Sapozhnikov, Yu.M. 7714.
Sapp, W.J. 2076.
Saraceno, C.A. 8041.
Sarachu, A.N. 2899
Sarafian, S.K. 2163.
Sarai. A. 2683
Saran, A. 5483, 8109.
Sarapuu, T. 11086.
Sarashina, S. 7935.
Saraste, M. 11204.
Sarathchandra, S.U. 5527.
Saravolatz, L.D. 309, 740, 8808.
Sarder, A.M. 5317.
Sardet, A. 7990.
Sardi, P. 9533, 9534.
Sareen, P.M. 1907, 11735.
Sarff, L.D 7943.
Sargent, M.G 6566.
Sarkar, K.R. 7300.
Sarkar, N. 1458, 7506, 8511, 11039
Sarkar, P.K. 2639.
Sarkar, S. 7661.
Sarker, S.A. 812.
Sarkisyan, M.A. 1480.
Sarma, G. 3618.
Sarma, G R. 841.
Sarma, M.H. 9773.
Sarma, R. 3975.
Sarma, R.H. 9773.
Sarma, R.J. 9251
Sarma, S.N.V. 8751.
Sarmah, A.K. 3091, 3618, 3619.
Sarna, G.P 9036.
Sarna, S. 11813, 11822.
Saroglou, G. 10061.
Sarojini, P.A. 11672.
Sarokin, L. 9894
Sarra C., S. 7982
Sarra, P.G., 2936.
Sartori, A.L. 12120.
Sarubbi, F.A. 10406.
Sarukhanova, L.E. 9542.
Sarup, S. 3228
Sarvamangala, J.N. 784
Sarvas, M. 68, 12645, 12655.
Sarver, D.K. 4176.
Sarvetnick, N. 8721.
Sasa, E. 5437.
Sasada, Y. 298.
Sasagawa, Y. 5145.
Sasahara, K. 9947.
Sasahara, T. 8981.
Sasajima, K. 2805.
Sasajima, K.-I. 4860.
Sasakawa, C. 5871.
Sasaki, A. 1710, 1726, 1744, 5063
Sasaki, C.T. 10334.
Sasaki, H. 7715, 11360, 11362.
Sasaki, I. 8576.
Sasaki, J. 10109.
Sasaki, K. 6614.
Sasaki, M. 10029.
Sasaki, N. 4787
Sasaki, S. 822, 8122
Sasaki, T. 2976, 8366, 8443, 9214, 9792, 11298.
Sasaki, Y. 4827, 5803
Sasal Lasaosa, M. 10609.
Sasal, M. 10426
Sasama, A. 3799.
Sasarman, A. 11765.
Sasarman, E. 5572.
Sase, M. 13414.
Sasikala, M. 3674.
Sasmal, D. 222
Sasser, R.G. 2371
Sassi, G. 158.

Sasson, A. 9439.
Sasson, S. 3019.
Sastry, C.V.R. 11466.
Sastry, K.J. 8549.
Sasvari-Szekely, M. 4916
Satake, T. 3346.
Satapathy, K.B. 2471.
Satayamurthy, N. 8127
Sathish, M 898, 4759.
Satija, K.C. 4686.
Sato, C. 95.
Sato, G. 1668, 1692, 3112, 5871, 9558.
Sato, H. 1743, 3539, 8351, 9087.
Sato, J. 5342
Sato, K. 150, 1514, 3302, 3722, 3888, 4791, 5145, 7552, 11455, 12589
Sato, M. 2913, 4046, 4262, 11200
Sato, N. 3218, 9214
Sato, S. 5116, 10055, 12702.
Sato, T. 2321, 5525, 7270, 7725.
Sato, Y. 4758, 5145, 9995
Satoh, Y. 135, 3743.
Satoi, S. 4154.
Satomura, K. 2321.
Satran, L. 11744.
Satsangi, R.K. 8842.
Satta, G. 4172
Sattar, M.A. 9464.
Satterthwait, A.C. 11122.
Satterwhite, T. 6273.
Satterwhite, T.K. 5258.
Satyanand 1929.
Sauer, F.D. 6489.
Sauer, G.C. 678.
Sauer, K. 3929
Sauer, K.T. 6815.
Sauer, R.T. 9822
Sauk, J.J. 1820.
Saukkonen, J.J. 84, 1560.
Saulnier, M. 903, 2110, 11838.
Saulsbury, F.T. 6292.
Saunders, G. 9820
Saunders, J.R. 2356, 2912, 9362
Saunders, M. 5341.
Sautiere, P. 9721.
Sauvageau, R. 1121.
Sauvageot-Pigache, F. 6882
Sauvaget, J. 6176, 13137
Sava, G. 10621
Savage, C. 12189.
Savage, D.C. 6329, 10636, 10724.
Savage, D.G. 10454.
Savage, J.E. 11808.
Savage, M. 4816.
Savage, N.L. 3222.
Savai, T. 7780.
Savan, M. 10236, 13034.
Savare, M. 6784.
Savarese, N. 224
Savelieva, G.E. 1426.
Savelyev, A.P. 3745
Savelyev, E.P. 12657.
Savelyev, V.S. 13289.
Savelyeva, N.D. 12216.
Savic, D.J. 5820.
Savidan, I. 2419.
Saville, D.J. 12112.
Savitz, M.H. 4500.
Savoglou, G. 4178.
Savva, D. 8694.
Sawa, H. 3566, 3633, 7256.
Sawa, T. 2796, 7635, 12918.
Sawada, H. 213, 4803, 5039, 11249.
Sawada, M. 3939, 7715, 11360, 11362.
Sawada, S. 3971, 8590.
Sawada, T. 13059.
Sawada, Y. 1026, 2046, 2317.
Sawai, T. 3017, 4905, 8400, 10964, 11431.
Sawaki, M. 10325.
Sawyer, A. 9247.
Sawyer, B. 8237.
Sawyer, M.K. 6069
Sawyer, W.D. 1476.
Saxen, H. 3255, 5176.
Saxen, L. 11694.
Saxena, D.M. 5980.
Saxena, H.M. 2172.
Saxena, S.N. 12931.
Saxena, Y.R. 1139.
Saxer, U.P. 3308, 11684.
Saxon, B.A. 9956.
Saxonov, S.I. 4457
Saxton, W.O. 11108.
Say, P.J. 10442.
Sayed, I.A. 11573.
Sayler, G.S. 10775, 13513.
Sazie, E.S.M. 6203
Sazykin, Yu.O. 7840, 10011.
Sbarbaro, J.A. 6977.
Scaglione, F. 805.
Scala, D. 8998
Scanlan, C.M. 12990
Scanlan, J.G. 10452.
Scannapieco, F.A. 8942.
Scarabicchi, S. 1977.
Scarlata, G. 1522
Scarpazza, G. 805.
Scarth, B. 6860.
Scates, S.M. 1090, 6078.
Scawen, M.D. 9754.
Scazzocchio, F. 11443.
Schaad, N.W. 1142, 5503, 9395, 9414, 9551, 12346, 13429.
Schaad, U.B. 3760, 7209, 9180, 11716.
Schaaper, R.M. 4800.
Schaareman, M. 9622.
Schaberg, D.R. 10585, 10605, 11311.
Schachern, P.A. 10086
Schachman, H.K. 4849, 9739, 11134, 11136, 11262.
Schachner, M. 8932.
Schachter, B.Z. 3205.
Schachter, J. 921, 2199, 4453, 6108, 11830, 13048, 13235, 13310.
Schack, L. 5816.
Schacter, B.Z 9055
Schade, D.S. 4203
Schade, W. 7733, 7860, 11251.
Schaechtele, K.-H. 8586.
Schaechter, J. 13221.
Schaefer, A. 4140.
Schaefer, K. 6303.
Schaefer, V. 7212.
Schaefer, W. 139.
Schaeffer, A.J. 846, 11824.
Schaefler, S. 5936.
Schaeg, W. 2781, 7231, 8604
Schaellibaum, M. 3634.
Schaer, G. 504, 2250.
Schaer, M. 2382, 8092.
Schaetzle, H. 4623.
Schafer, D. 5958.
Schafer, D.F. 1917.
Schafer, F. 12889.
Schafer, F.J. 4396.
Schaffner, W. 9149, 9225, 10605.
Schairer, H.U. 2748
Schake, L.M. 12040
Schalen, C. 4270, 5299, 8937, 10615, 11955.
Schalen, L 5299.
Schalla, W.O. 3765.
Schallehn, G. 5015, 10955
Schaller, H. 9590, 11276.
Schamlian, P. 4873.
Schamschula, R.G. 13115
Schanzer, H. 2254
Schaper, U. 12098.
Schar, H.P. 3999.
Schardl, C.L. 11326.
Scharfman, A. 9003.
Scharp, H. 7117.
Schassan, H.H. 5076.
Schatz, G. 4023.
Schatzmayr, H.G. 7991.
Schaub, R.G. 10126.
Schauer, N.L. 12437.
Schauer, R. 1527.
Schauf, V. 11668.
Schaumann, W. 3039.
Schaumberg, J.P. 8514
Schechter, G.L. 9094
Schechter, L.S. 2239.
Schecter, G.P. 2194
Scheer-Abramowitz, J. 2908.
Scheer, H. 139, 12486.
Scheer, R. 426
Scheff, G. 10992.
Scheibel, J. 851.
Scheie, P. 10961, 12441.
Scheife, R.T. 6290.
Scheifele, D.W. 379, 1816, 5183, 7839.
Schein, C.H. 11033, 11034.
Scheit, K. 1451.
Scheit, K.H. 9769.
Scheld, W.M. 9335, 11847, 13209, 13212.
Schelkly, W.U. 361.
Schell, D.M. 2478.
Schell, J. 2921, 5703, 5870, 5880, 12827, 12829.
Schell, R.F. 5190, 10649.
Schell, W.L. 742, 11490.
Schenck, C.C. 2683
Schendel, P.F. 6692.
Schenk, I. 11484
Scheppler, J.A. 3661.
Schiatti, R. 10393.
Schick, D.G. 7112
Schiefer, G.E. 9426.
Schiefer, H.-G. 3812.
Schiefer, H.G. 7178.
Schielinsky, C. 1945.
Schiemann, D.A. 2516, 4263, 4540, 8317
Schierl, E.A. 1310.
Schiewe, M.H. 1680
Schiffer, S.P. 9363.
Schiffman, G. 521, 627, 631, 639, 641, 645, 654, 655, 658, 787, 3200, 5256, 6133, 6912, 8949, 9055, 9057, 11629, 11640.
Schiffmann-Wyttenbach, E. 6875.
Schifman, R.B. 3786.
Schilf, W. 3080, 5940.
Schilievert, P.M. 9575.
Schiller, B. 8917, 8918.
Schiller, L.B. 7915.
Schilling, R. 2107.
Schilperoort, R. 1440, 2914, 2926.
Schilperoort, R.A. 4612, 5037, 5868, 9419, 9906, 9908, 12807, 12825
Schimmel, D. 3579, 3780.
Schimmel, P. 4926, 6694, 9682.
Schimpff, S.C. 1923, 6307, 9205, 10635, 11920.
Schimz, A. 8370.
Schimz, K.-L. 4749.
Schindler, D.G. 3903.
Schindler, J. 9555.
Schindler, M. 5734.
Schindler, Z. 3783.
Schinella, R. 2249.
Schinella, R.A. 7048.
Schink, B. 3665, 4614, 9626
Schinner, F. 6833, 10772.
Schioppacassi, G. 3035, 3076, 7805.
Schiotz, P.O. 12026.
Schipper, I.A. 9338.
Schlacht, I. 5353.
Schlaegel, T.F.,Jr. 9199.
Schlaeppi, J.-M. 5635.
Schlaeppy, P. 5331.
Schlech, B.A. 5908.
Schlech, W.F.,III 10107.
Schlecht, S. 12398.
Schlechte, H. 11.
Schlechtweg, C. 7185.
Schlegel, H.B. 1555
Schlegel, H.G. 5656, 5658, 6715, 9539.
Schleicher, L.R. 11109.
Schleif, R. 2868, 8681, 11264.
Schleif, R.F. 11095.
Schleifer, K.-H. 5689
Schleifer, K.H. 2564, 8328, 9544, 12268.
Schleifer, L.S. 6003.
Schlesinger, M.J. 7405, 13537.
Schlessinger, D. 4466, 10830, 10833, 10843, 12194.
Schleupner, C.J. 7002.
Schley, G. 13287.
Schleyer, M.H. 2485.
Schlicker, C. 3064.
Schlienger, J.L. 13161.
Schliesser, T. 5132.
Schlievert, P. 10086.
Schlievert, P.M. 9565, 9785, 9840, 10078, 12988.
Schlingmann, G. 8462.
Schloss, J.V. 11194.
Schluederberg, S. 7705.
Schluep, J. 1103.
Schlueter, D.P. 5307, 6167.
Schmedding, D.J.M. 11171.
Schmeling, D. 4322, 10222.
Schmeling, D.J. 5232.
Schmeling, J.W. 10081.
Schmelzer, E. 5796.
Schmid, E.E. 7879.
Schmid, E.N. 53.
Schmid, G. 1481, 12554.
Schmid, G.P. 8073, 10107, 10115, 10118, 10409.
Schmid, M.B. 12752.
Schmid, R 1956, 6647, 11186, 13375.
Schmid, S.E. 11318.
Schmidbauer, C. 5333.
Schmidt-Lorenz, W. 11451.
Schmidt, B.L. 2141, 2159, 3160, 3197.
Schmidt, C.-M. 11507.
Schmidt, C.N.G. 11175.
Schmidt, E. 7459.
Schmidt, E.L. 3698.
Schmidt, E.W. 9160.
Schmidt, F. 9885.
Schmidt, F.J. 2710, 3908.
Schmidt, H. 3448
Schmidt, H.L. 6997.
Schmidt, J. 5465.
Schmidt, J.D. 6226.
Schmidt, J.M. 54, 96, 4705, 8388.
Schmidt, L.A. 7884
Schmidt, R. 7229.
Schmidt, R.A. 11817.
Schmidtke, J.R. 8905.
Schmieger, H. 2885
Schmit-Neuerburg, K.P. 3524.
Schmit, D.M. 5025.
Schmitt-Slomska, J. 7213, 11437, 11595.
Schmitt, A. 10093.
Schmitt, B. 272, 6571.
Schmitt, M. 3901, 11074.
Schmitt, R. 280.
Schmitt, S. 11191.
Schmitz-Moormann, P. 10365.
Schmitz, M. 8263.
Schmitz, P.I.M. 9132.
Schnabel, H. 5859.
Schnabel, R. 5859.
Schnaitman, C.A. 1607.
Schnare, M.N. 7520, 8499.
Schnarp, M. 8663.
Schnarz, R. 2290.
Schneerson, R. 4261, 4273, 5197, 10195.
Schneeweis, T.J. 1163.
Schneible-Smith, C. 1262.
Schneider-Bernloehr, H. 4010.
Schneider, A.-M. 2849.
Schneider, D.J. 8099.
Schneider, E. 6647, 11170, 11186.
Schneider, K. 12641.
Schneider, M. 7337, 10810.
Schneider, P.J. 4751.
Schneider, R. 6472.
Schneider, R.A. 10156.
Schneider, R.J. 11038
Schneider, T. 6572.
Schneider, T.D. 6573
Schnier, J. 5822, 9718.
Schnitzer, J. 8932.
Schnoes, H.K. 1577.
Schnurrenberger, P.R. 3613, 8118, 8120.
Schockley, K. 2742.
Schoeb, R.R. 11729.
Schoell, W. 4329, 6929.
Schoelz, J.E. 6725, 7681.
Schoemaker, J.H. 84.
Schoemaker, J.M. 84, 1560.
Schoemer, U. 11235.
Schoenbaum, M. 4573.
Schoenberg, D.A. 2403.
Schoenen, D. 12180.
Schoenknecht, F.D. 387.
Schoenwald, S. 10617.
Schoeyen, R. 10396.
Schofield, G.M. 9533, 9534.
Scholhamer, C. 9137.
Scholl, D.R. 1675.
Scholl, H. 6561.
Schollum, L. 13352.
Scholte, B.J. 1491, 8464, 8698.
Scholz, R.W. 4544.
Schomerus, H. 13219, 13341.
Schonard, G. 763.
Schoner, B. 11063.
Schonfeld, S.E. 11551.
Schonheit, P. 4962.
Schonwald, E. 3160.
Schoombee, N.F. 1253
Schoop, H.D. 10918.
Schopfer, K. 11903.
Schorn, D. 13324.
Schotman, A.J.H. 1102, 11492.
Schouenborg, P. 11396.
Schoutens, A. 11790.
Schowalter, D.B. 3623.
Schramek, S. 230, 507, 11228, 11238, 11643.
Schraml, S. 280.
Schramm, H.J. 9772.
Schramm, V.L. 2807.
Schrautemeier, B. 1421.
Schrauwen, E. 11494.
Schrecke, W. 6356.
Schreiber, M. 10623.
Schreier, H.J. 9854.
Schretlen, P.J.M. 3898.
Schrettenbrunner, A. 10923, 11301.
Schreurs, A.J.M. 13366.
Schreurs, W.J.A. 12305.
Schrinner, E. 5984, 9969.
Schrire, L. 7772.
Schrock, H. 3983.
Schroder, H.G.J. 1240, 1247.
Schroeder, A.M. 5266, 10278.
Schroeder, C. 2895.
Schroeder, H. 11868.
Schroeder, H.E. 5220.
Schroeder, K.-L. 12602.
Schroer, K. 6931.
Schroeter, B. 6590.
Schroll, M. 529.
Schroth, M.N. 1153, 1213, 1326, 2427, 6431, 7304, 7325, 8269, 8806, 10891, 12104, 12105, 12108, 13451.
Schryvers, A. 6663, 8668.
Schubert, C.M. 1844.
Schubert, J. 442, 3103.
Schubert, K.R. 8559.
Schuck, H.J. 10752.
Schuemperli, D. 5845.
Schuepbach, M.E. 2897
Schuermann, P. 5002.
Schuett, C. 1926.
Schuette, D. 3524.
Schuffler, M.D. 2158, 5
Schuit, K.E. 5211.
Schuitema, A.R. 1491.
Schuitema, R.J. 8698.
Schukin, N.N. 282.
Schuldiner, S. 10962.
Schulman, C.C. 7052.
Schulman, L.H. 1454.
Schultz, J.E. 5661.
Schultz, R. 6615.
Schultz, R.D. 605.
Schultze, W.D. 4274.
Schulz-Dieterich, H.-O.
Schulz, D. 4584.
Schulz, J. 2358, 5465.
Schulz, L.-C. 13397.
Schulz, L.C. 5363.
Schulz, W. 7514.
Schulze, F. 3614.
Schulze, J. 9376.
Schulze, K. 823.
Schulze, P. 5268.
Schumacher, B. 1434.
Schumacher, I. 11725.
Schumann, I. 9010.
Schummer, U. 3812.
Schupp, T. 2980, 2981, 6
Schupp, Th. 7728, 7741.
Schur, P.H. 6917.
Schurig, G.G. 6097.
Schurter, W. 250.
Schuster, G. 1945.
Schuster, H. 4845, 4964.
Schutte, H. 6149.
Schuyler, M.R. 593.
Schwab, J. 500.
Schwab, J.H. 4312, 10138
Schwan, A. 571, 8923.
Schwanitz, D. 9771.
Schwartz, A.D. 9257.
Schwartz, A.L. 9057.
Schwartz, E. 750, 4477.
Schwartz, I.K. 11898.
Schwartz, J.C. 10647.
Schwartz, L.D. 6122.
Schwartz, M. 7511, 9693,
Schwartz, M.L. 11998.
Schwartz, M.S. 13045.
Schwartz, R.H. 738, 761, 1
3328, 10330, 10333, 131
Schwartz, R.M. 12744.
Schwartz, W. 1939, 10948.
Schwarz, U. 7420.
Schwarzberg, C. 3493.
Schwarzhoff, R. 4099.
Schweiger, M. 12660.
Schweinle, E. 3215.
Schweizer, P. 10368.
Schwerg, H.-P. 4545.
Schwers, A. 4564.
Schwien, U. 7459.
Schwigon, C.D. 13117.
Schwintzer, C.R. 12146.
Schwob, M. 747.
Scieux, C. 12013.
Scipioni, R.L. 10642.
Sciumbato, G.L. 1151.
Sclafani, R.A. 4966, 5007.
Scobie, W.G. 10614.
Scoglio, M.E. 8242.
Scolari, B.L. 10741.
Scollard, D.M. 684.
Scoot, A. 1838.
Scorza, R. 9405.
Scott, A.C. 2554.
Scott, B.W. 4236.
Scott, D. 2769, 3850, 5657.
Scott, D.F. 8595.
Scott, D.R. 2996.
Scott, F.A. 689.
Scott, G.K. 1877.
Scott, I.R. 8220.
Scott, J.R. 12826.
Scott, L.V. 555.
Scott, M.J.,Jr. 10289.
Scott, M.J.,Sr. 10289.
Scott, M.M. 12975.
Scott, O. 6304.
Scott, P.J. 6906.
Scott, R.I. 1339, 1425, 268
Scott, R.L. 955.
Scott, V.D. 9091.
Scott, V.N. 376.
Scott, W. 12226.
Scotti, R. 3036, 4188.
Scoula, L.E. 10639
Scraba, D.G. 12311.

, G.H 3174
, R K 8765
J M 13130
. 10491
C 9042
.D. 5296.
V. 1297, 2559, 13193
.W. 9175.
, B. 1191.
, J.T. 13388.
, W.B. 1040.
.M. 7363, 13389.
M. 3048, 3587.
W. 12552, 12814.
n, F. 408.
, D. 3537.
J.I. 955
val, U 2085
, T. 13301
a, T N K 9362
d, J. 9874
, I. 3181.
ova, A. 10003, 11328
, R. 11148.
, A.P. 11149.
ck, B 6689
S J 8237
, J 9861
k, B 9459
ova, M 4801, 5706.
, 8859
n, J 12525
ra, P 7492
g, E 9714
L.B 13312
, B. 1561
, H 5113
, A 4023
, J 4023
, W 2270
er, H.P.R 10923, 11301.
, R.W. 11305.
eller, E. 12098.
ppa, M. 1312.
r, W. 3642, 5485, 7248, 8106
, R.E.B. 12491.
, R. 8602.
, J.E. 8431.
, W.E. 4527.
ra Castello, L. 5422.
, R. 11881.
, R.A. 6840.
, R.A. 13252.
, N. 1659.
kova, Z. 11295.
via, R.F 10866.
e, W. 9250.
al, D. 10434.
al, H. 8980.
al, P. 2355.
al, S. 3213, 6221.
al, S.C. 1256.
al, V.N. 2172.
i, D.S. 4727.
rt, G. 9969.
el, J.S. 963.
l, V. 10747.
ler, R.J. 2440, 3700, 4713, 80, 8295, 12059.
rt, R.D. 5294.
rt, T. 7589.
er, E. 1030.
al, N. 4483.
non, B. 5403.
, K. 4243.
i, M. 11050.
er, H. 12268, 12399.
er, W. 9428.
er, V. 2967.
o, A. 51.
z, A. 13060.
z, R. 9237.
a, O. 138.
ar, N. 3359.
i, H. 8218.
i, T. 7552.
iba, K. 2094.
iguchi, M. 6718, 11284.
iguchi, R. 9892.
ine, M. 9947.
ine, Y. 12901, 12914.
iya, T. 6722.
izaki, T. 4131, 6850, 12863.
izawa, Y. 4207.
la, L.H. 6192.
a, M. 10268, 11641.
a, M.N. 7940, 10201
ander, R.K. 4100.
by, L.A. 636, 4592, 7842.
by, P.J. 560.
den, R.V. 7039.
derslaghs, R. 1251.
eznev, A.S. 3233.
inger, D.S. 618.
k, S.H. 5961.
Selkon, J.B. 2672, 5440, 8055, 10034
Sell, S. 3198, 10182, 10266, 11613.
Sell, S.H. 639, 641, 11649
Sellin, U.C. 11508
Sellner, K.G. 2480.
Sello, L H 2983
Sellwood, J.E. 5499.
Sellwood, R. 4580.
Seltzer, S. 2775.
Selvaraj, G. 6770.
Selvaraj, R. 9571.
Selwyn, S. 373.
Seman, G. 1056.
Semenkova, E.N. 9275.
Semenov, A.Yu. 4790.
Semenov, V.F. 12433, 12435.
Semenova, S.A. 10954.
Semenova, T.v. 12639.
Semenovskay, M.L. 981
Semeraro, N. 3143, 4297, 12986
Seminara, R. 697.
Semisotnov, G.V 12530
Semjen, G. 1885, 5014.
Semmler, R. 2806.
Semple, C.G. 8032.
Sen, A. 12124.
Sen, A.K. 222.
Sen, A.N. 13501.
Sen, D. 1180, 2039, 4002.
Sen, G.P. 4561.
Sen, K. 9263.
Sen, M. 2880.
Sen, P. 6253, 8020.
Sen, P.C. 1700.
Sen, S.P. 4644, 6428.
Sen, V. 735.
Sendo, F. 4243, 6899
Sendon, J.L.L. 13136.
Sendral, R. 11445.
Seneca, H. 4433.
Seneczko, F. 13077.
Senesi, S. 2793.
Senft, B. 7283.
Senghas, E. 10992.
Sengupta, B. 6428.
Sengupta, L.K. 1904.
Sengupta, P.G. 2039.
Sengupta, S.R 10884.
Senior, A. 4859.
Senior, A.E. 1589.
Sennett, C. 7406.
Seno, E.T. 2755, 2978, 8753, 11340
Seno, N. 3112.
Sensakovic, J. 11459.
Senterfit, L.B 318.
Seo, C. 3836
Seok, S.E. 10347.
Sep Hieng, H. 392.
Seppae, L. 13102.
Seppala, I.J. 2201.
Septimus, E.J. 2283.
Sepulveda A., T. 7982.
Sequeira, W. 10626.
Sera, N. 762.
Serafim, M. 4226.
Serafim, M.B. 1835.
Serafini, G. 8793.
Serdar, C.M. 7447.
Serdyuk, I.N. 1480.
Serebritsky, V.M. 12331, 12452.
Sereda, N.P. 4091.
Sereni, D. 4424.
Sereni, F. 7179.
Serenius, F. 3549.
Serie, C. 4666, 5555, 6125, 7361.
Serikawa, T. 6057, 6287, 6916.
Sermonti, G. 1583.
Seror-Laurent, S.J. 5721.
Serota, A.I. 1000, 5401, 9119.
Serov, G.D. 12272.
Serra, C. 13213.
Serrahima-zieger, M. 9804.
Serrallach, C.P. 11742.
Serrano, T. 11960.
Serre, A. 8985, 10257.
Serre, H. 3546.
Serritella, A. 11770.
Serruys-Schoutens, E. 11923.
Serushan, M. 9252.
Seth, A.D. 418.
Seth, A.K. 2951, 12536.
Seth, S.C. 6175.
Seth, V. 9029.
Sethi, J. 506.
Sethunathan, N. 8211.
Sethuramalingam, S. 6385.
Setlow, B. 1369, 6849.
Setlow, J.K. 2953, 2954, 12769, 12770.
Setlow, P. 1369, 6849.
Seto-Young, D.L.T. 2619.
Seto, H. 2972, 9921.
Seto, K. 13059.
Setoyama, M. 2321.
Seurinck, J. 12829.
Sevcik, B. 10663, 12057
Severi, A. 12307
Severin, A.I. 12548.
Severino, D. 9949, 9953
Sewall, A.E. 8402.
Seward, J B 10452
Seward, R.A. 12949.
Sewell, D.L. 4662, 7478, 8278.
Seyama, Y. 5738.
Seydel, F. 2744.
Sezaki, M. 7722, 11190.
Sgan-Cohen, H.D. 11691.
Sgaramella, V. 2919, 2924.
Sha, C.-Y. 1132.
Shabaka, L.M. 8843.
Shabarova, Z.A. 2697.
Shaber, M.R. 1579.
Shabtai, Y. 8646.
Shachter, J. 10920
Shachtman, R.H. 10522, 10585.
Shackelford, G.D. 3413.
Shadduck, J.A. 2368.
Shade, F.J. 635.
Shafer, W.M. 6478.
Shafi, M.S. 7984.
Shafie, M.S.H. 12243.
Shafiee, A. 1756.
Shafter, R.B. 11511.
Shah, H.N. 8490, 10880, 10928.
Shah, J.S. 11603.
Shah, K. 11234.
Shah, M.S. 1463.
Shah, P.J.R. 5371.
Shah, P.M. 3419, 3511, 5085, 9302, 9314, 10545, 12891.
Shah, V.K 2808.
Shahangian, S. 4908.
Shahar, E. 3406, 7183.
Shain, S.A. 5724.
Shaker, H.M. 2968.
Shakulov, R.S. 11124, 12760.
Shalaby, M.A. 11637.
Shales, S. 1734.
Shales, S.W. 280, 5948.
Shalev, O. 3508.
Shalita, A.R. 10291.
Shamley, D. 2253.
Shamsuddin, D. 5968.
Shanabruch, W.G. 245.
Shanblatt, S.H. 5853.
Shands, J.W.,Jr. 3420.
Shands, K.N. 10098, 10107, 10115, 10118.
Shands, N. 10409.
Shanholtzer, C.J. 8283.
Shankar, V. 3044.
Shanker, K. 5135.
Shanker, S. 5374, 8858.
Shanks, C. 6858.
Shann, F. 900.
Shannon, I.L. 7966.
Shannon, K. 1717, 5067, 8822, 12921.
Shannon, K.M. 10561.
Shanon, E. 9128.
Shanson, D.C. 7218.
Shantharam, S. 2428, 7416, 10785, 13494.
Shapiro, E.D. 9330, 13200.
Shapiro, L. 8386, 8517, 12718.
Shapiro, M. 10523.
Shapiro, M.E. 11574.
Shapiro, S. 3553.
Shapiro, S.K. 11121.
Shapland, J.E. 10126.
Shapovalova, S.P. 8054.
Sharabrin, O.I. 4350.
Sharak Genthner, B.R. 2637.
Sharan, R. 6178.
Sharangovich, L.N. 12172.
Sharaya, L.S. 12126.
Sharbaugh, R.J. 1021.
Shariatpanahi, M. 107, 120.
Sharif, H.S. 13314.
Sharma, A. 1904.
Sharma, A.P. 8221.
Sharma, B. 8016.
Sharma, B.P. 236.
Sharma, C. 3133.
Sharma, D. 4766.
Sharma, D.D. 7309.
Sharma, G.D. 10802.
Sharma, H.R. 7331.
Sharma, K.B. 268, 3069, 3800, 5027, 5029, 5031.
Sharma, K.K. 11735.
Sharma, K.N. 2932, 5110, 6751.
Sharma, M.L. 1907.
Sharma, O.P. 196.
Sharma, P.C. 8221.
Sharma, P.K. 3091.
Sharma, R.K. 5413, 8034.
Sharma, S. 1622, 5295, 7126, 8841, 11045.
Sharma, S.C. 2087.
Sharma, S.K. 7855.
Sharma, S.N. 10085.
Sharma, U.B. 1907.
Sharma, V. 13084.
Sharma, V.K. 50, 624, 1929, 13410.
Sharon, E. 3660.
Sharon, N. 1371, 8381.
Sharp, J. 7098.
Sharp, J.C.M. 816, 3487, 11762.
Sharp, W.P. 4705.
Sharpe, A.N. 4, 2528.
Sharpe, G. 11265.
Sharpe, J.R. 11827.
Shashikanth, K.N. 444.
Shashkov, A.S. 6676, 10162, 10163.
Shastry, B.S. 8522.
Shatalyuk, B.P. 12898.
Shattuck-Eidens, D.M. 1616.
Shattuck, G.E. 5127.
Shaughnessy, M.A. 12015.
Shavlovsky, G.M. 12909.
Shavrova, E.N. 9026.
Shaw, B.G. 8290, 9556.
Shaw, C.E. 4690.
Shaw, D.C. 4902.
Shaw, K.J. 9894.
Shaw, M.E. 6400.
Shaw, M.E.A. 4606.
Shaw, N. 5807.
Shaw, P. 12718.
Shaw, P.D. 7708, 8817, 12859.
Shaw, S. 3468.
Shaw, T.R.D. 6260.
Shaw, W.V. 2729.
Shay, D.E. 10816.
Shayegani, M. 2276, 3784.
Shchelkova, N.S. 12657.
Shcherbakova, G.Ya. 12485, 12694.
Shea, C. 6038.
Shea, J.M. 13285.
Shea, M.L. 7943.
Sheagren, J.N. 1880.
Shearer, E.M. 12592.
Shearer, G.B. 1171.
Shechter, E. 8374, 12458.
Shechter, Y. 664.
Sheehan, D.J. 2510.
Sheha, H. 8747.
Shehabi, A.A. 830.
Sheikh, M.U. 5368.
Sheikh, N.M. 5368.
Sheiko, T.V. 12484.
Shekelle, P.G. 8615.
Shekhawat, G.S. 6398.
Shekhawat, P.S. 13428.
Sheldon, B.W. 12038.
Sheldon, G.F. 1107.
Sheldon, R.I. 8571.
Sheldrake, R.F. 10672.
Sheldrick, G.M. 7636, 11247.
Shelef, L.A. 7849.
Shelley, G. 2083.
Shelley, W.B. 6311.
Shelton, E. 11146.
Shelton, P.G. 13109.
Shelton, S. 5088, 11845.
Shemakina, M.M. 12572.
Shemyakin, M.F. 4127, 5847.
Shen, D.T. 612.
Shen, H.N. 12252.
Shen, K. 967.
Shen, W.-F. 7644.
Shenberg, E. 7205.
Shende, S.T. 12390, 13496, 13497.
Shenderovich, V.A. 7821, 9930.
Shenep, J.L. 6911.
Sheng, Z.J. 12852.
Shenkenberg, T.D. 11970.
Shenker, B.J. 3216, 5171.
Shenkin, A. 8757.
Shenoy, B.C. 1483, 3982.
Shepard, C.C. 8849.
Shepherd, M.G. 1419.
Shepherd, R. 4418.
Shepherd, W.D. 1471.
Sher, D. 7179.
Sher, R. 6150, 10294.
Sherekar, S.V. 3123.
Sheridan, J.E. 1210.
Sheridan, P.H. 968.
Sherif, M.M. 9073.
Sherman, J.M. 13043.
Sherman, M.Yu. 1350.
Sherman, W.B. 6399.
Sherod, D. 11151.
Sherpereel, Ph. 8046.
Sherr, B.F. 1230.
Sherratt, D. 2916, 7692.
Sherries, J.C. 11378.
Sherrill, J.M. 2761.
Sherrill, T.W. 13513.
Sherris, D. 2860.
Sherris, J.C. 7835.
Sherwood, C.F. 4513.
Sherwood, D. 9054.
Sherwood, J.E. 2444
Sheth, N.K. 793
Shetty, K.T. 1482.
Shetty, P.S. 5272.
Shetty, V.P. 10716.
Shevarova, V,N 4475
Shevchenko, M.G. 12367
Shevlyagin, V.Ya. 13372.
Shevtsov, V.V. 11473.
Shewen, P.E. 1812, 6005.
Shiaris, M.P. 10775, 13513.
Shiba, T. 4731, 4950, 9541, 9976.
Shibaev, V.N. 10160.
Shibamoto, N. 4146, 11359.
Shibamura, S. 5696.
Shibasaki, I. 445, 5989, 12328.
Shibata, H. 10148
Shibata, I. 7256.
Shibata, K. 425.
Shibata, M. 5041, 5043.
Shibata, T. 8485.
Shibl, A.M. 384, 8875.
Shibolet, S. 11617.
Shibukawa, M. 12945.
Shibukawa, N. 296, 2993.
Shibuya, Y. 2782, 2784, 5746.
Shick, R.A. 6951.
Shigei, J.T. 2557.
Shigeoka, A.O. 4341, 5248.
Shigeta, S. 8963.
Shih, C. 7560.
Shih, C.Y. 6427.
Shiio, I. 3956, 3987, 4832, 12566.
Shikata, S. 8555.
Shikulov, V.A. 12405.
Shildt, R.A. 8949.
Shilo, M. 1760.
Shiloach, J. 4846
Shilov, V.M. 1919, 1921, 7841.
Shilova, S.V. 7414.
Shima, S. 3924, 3925, 11297.
Shimada, A. 4079.
Shimada, K. 329, 2945, 4519, 5838, 5974, 9265.
Shimada, N. 3040, 7757, 7802, 11420.
Shimada, Y. 13336.
Shimahara, K. 5974.
Shimakura, S. 3566, 7241, 7256.
Shimamoto, N. 4996.
Shimamura, T. 822.
Shimao, M. 8555
Shimazaki, M. 214.
Shimazu, A. 7712.
Shimazu, T. 4403.
Shimiziu, N. 6897.
Shimizu, A. 6467, 10898
Shimizu, A.G. 7186.
Shimizu, H. 11346.
Shimizu, K. 6718, 7729, 8091, 11284.
Shimizu, M. 3108, 5938, 8797.
Shimizu, N. 353.
Shimizu, R.W. 1529.
Shimizu, S. 150, 3888, 4192, 4791, 6466, 6653, 7552.
Shimizu, T. 2102, 6082, 9762, 10707, 12568.
Shimizu, Y. 335, 10885.
Shimkets, L.J. 1361, 12317.
Shimmen, Y. 9716.
Shimoda, Y. 6454.
Shimohashi, H. 5594, 9375.
Shimoide, H. 6163.
Shimojima, Y. 12945.
Shimomura, T. 4048.
Shimosaka, M. 5018.
Shimura, K. 2752.
Shimura, M. 4207
Shin, M.S. 2208, 5380.
Shin, S.J. 1116, 5673, 10642.
Shinagawa, E. 3988, 4001, 4725, 5744.
Shinde, P.A. 12104.
Shinde, V. 5540.
Shinde, V.K.R. 4595.
Shinebaum, R. 3204, 4289.
Shinjo, T. 151, 9360.
Shinkareva, M.M. 2214.
Shinke, R. 4856.
Shinnick, T. 4335.
Shino, K. 794.
Shinoda, S. 3821.
Shinomiya, S. 5824.
Shinozaki, T. 3187, 4407
Shinsaku, H. 138.
Shinsky, G.E. 3421.
Shintani, M. 8366, 8443.
Shinya, R. 12940.
Shioiri, T. 5278.
Shiokawa, Y. 11933.
Shiota, K. 1008.
Shioya, S. 1381.
Shipley, J.A. 4486.
Shirahata, K. 298, 7730, 7732, 11339, 11344, 11373.
Shirai, A. 577, 1076, 1867, 2277, 10732.

Shiraishi, S. 7466.
Shiraishi, T. 11201, 12635.
Shirakura, Y. 3960, 9768.
Shirasaka, S. 8094.
Shiratsuchi, H. 10189.
Shires, G.T. 11975.
Shirinova, M.N. 9202
Shirkot, C.K. 1219, 3116.
Shirley, P. 3217
Shirley, P.S. 13017.
Shiro, M. 7751.
Shirota, K. 3574.
Shirshova, G.A. 11220.
Shirvan, M.H. 8371.
Shishlevskaya, T.N. 13359
Shiue, C.-Y. 1766.
Shivananda, P.G. 784.
Shivarova, N.I. 2920.
Shivashankar, G. 7320, 8155.
Shively, J.M. 4772, 8641
Shively, R.G. 2557.
Shklair, I.L. 4949.
Shkop, Ya.Ya. 12300.
Shlaes, D.M. 939, 4468, 8035.
Shlomai, J. 8547, 11292.
Shmerling, Zh. G. 8509
Shner, V.F. 6520
Shnyrov, V.L. 145.
Shockman, G.D. 1372, 5601.
Shoeb, T.R. 3158.
Shoeffl, F. 9869.
Shohji, K. 4922.
Shoji, J. 2989, 5040, 7750, 7751.
Sholin, A.F 178.
Sholkovitz, E.R. 8235.
Shomura, T. 2970, 4149, 5038, 7722, 11190.
Shone, C.C. 7572.
Shonnard, J.W. 9092.
Short, M.P. 7807.
Shortliffe, L.M.D. 590
Shorvon, P.J. 7976.
Shotts, E.B. 2647, 2648, 3001, 4190.
Shotts, E.B.,Jr. 8862
Shoukry, S. 8752.
Showalter, H.D. 9948
Shrake, A. 11136.
Shreiner, D.P. 959.
Shrestha, B.M. 10300
Shreve, D.S. 4019
Shridhar, D.R. 11466.
Shrift, A. 7473, 11006.
Shriner, D.S. 1207.
Shriniwas 6483.
Shriniwas, C.G.D 7878.
Shriniwas, L. 11385.
Shrivastava, C.P. 5459.
Shtanko, S.A. 831.
Shtevneva, A.I. 12187.
Shub, D.A. 5857.
Shub, G.M. 11000.
Shugar, D. 6730.
Shukla, D.N. 2420.
Shukla, J.B. 10438.
Shukla, N.K. 3359.
Shukla, O.P. 7426.
Shukla, U.C. 10764.
Shulakov, N.A. 7077.
Shulgovskaya, E.M. 12300.
Shulls, W.A. 3696, 6518.
Shulman, G. 10294.
Shulman, M. 323, 1716.
Shulman, M.A. 9926, 11409
Shultis, E.A. 3051.
Shultz, J. 6628.
Shum, D.T. 10181
Shum, G. 10730.
Shuman, H. 87.
Shuman, H.A. 5730, 8635.
Shuman, S.T. 7166.
Shungu, D.L. 9982
Shurin, P.A. 13134.
Shushunova, A.V. 12217.
Shuto, H. 3960.
Shuttleworth, K.F. 7335.
Shuvaeva, T.M. 4978, 7663, 12572.
Shuvalov, V.A. 3870.
Siasoco, R.E. 2097, 11890.
Sibakov, M. 12645, 12655.
Siber, G.R. 650, 5183, 9057.
Sibille, M. 3461.
Sibirny, A.A. 12909.
Siboska, G.E. 7518, 12537.
Sicard, A.-M. 4968, 5017.
Sicard, D. 6776.
Siccard, A.G. 2919.
Siccardi, A.G. 531, 532, 2322.
Sichkar, V.I. 5517.
Sicsic, S. 11394.
Sidberry, H.F. 3176.
Siddiqi, S.H. 4199.
Siddique, I.H. 1463, 1799, 2076.
Siddiqui, A.R. 2209.
Siddiqui, K.A.I. 9846.
Siddiqui, M.A. 13084.
Siddiqui, Y. 3006, 8026.
Sidelnikova, L.I. 2820.
Siders, J.A. 10855.
Sidhu, K.S. 10298.
Sidhu, N.S. 9332.
Sidiropoulos, D. 1916.
Sidler, W. 11165.
Sidorenko, S.S. 12722, 12948, 13433.
Siebor, E. 360, 6812.
Sieburth, J.M. 6433.
Siegel, J.D. 10561.
Siegel, J.E. 10724.
Siegel, J.H. 7156, 10549.
Siegel, K. 9314.
Siegel, L.S. 4750.
Siegel, M. 6058.
Siegel, M.J. 871.
Siegel, P.B. 10722.
Siegel, R.B. 8385.
Siegenthaler, G. 11986.
Siegenthaler, W. 11980, 11986.
Siegerstetter, J. 3204.
Siegrist, B. 6159.
Siegrist, H. 2902
Sieler, R. 1996
Siemens, H.J. 12842
Sierra, M.A. 13383.
Sierra, M.F. 334, 1716, 2519, 3407, 9926.
Sietzen, W. 7998.
Sievers, D.M. 8419
Sievert, R. 238.
Sigal, W. 8432.
Sigari, G. 4309, 4351.
Sigee, D.C. 12090.
Sigel, C.W. 2379.
Sighart, H. 11720.
Sigmund, C.D. 12741.
Signer, E. 4631.
Sikdar, S.N. 2041.
Sikorowski, P.P. 8132.
Sikotra, S. 6452.
Sikyta, B. 1632, 11195.
Sil, K. 4805.
Silagadze, D.G. 524.
Silcox, V.A. 2578, 3482, 10053
Silhavy, T. 8531
Silhavy, T.J. 6709, 7533.
Silink, M. 2129.
Sillars, H. 7946
Sillers, I.-Y. 3903, 3904.
Silva, C.L. 6680.
Silva, D.O. 5033.
Silva, E.A. 1958.
Silva, J. 1706, 3369, 3603, 4415, 10380.
Silva, J.,Jr. 6972, 7005, 7017.
Silva, M. 7859
Silva, R.M. 11336.
Silver, D.S. 11667.
Silver, I.A. 3135.
Silver, J. 32.
Silver, L.E. 12731.
Silver, M. 111, 1475, 7437.
Silver, P. 8660.
Silver, S. 1355, 6500, 12615, 12961.
Silverblatt, F.J. 1371, 10144.
Silverblatt, J. 6166.
Silverman, D.J. 2607.
Silverman, J.A. 6540
Silverman, P.M. 12788.
Silvers, S.H. 10695.
Silverstein, R.L. 3382.
Silverstone, L.M. 727.
Silvestrini, M.C. 1417, 11023.
Silvola, H. 5365.
Sim, A.F.E. 11612, 11771.
Sim, E. 9669
Sim, K.N. 3472.
Sima, A. 4178.
Simaga, S. 234.
Simberkoff, M.S. 975, 4495, 8047.
Simchen, E. 10523, 10525.
Simensen, E. 3607.
Simeonov, S. 4543.
Simhon, A. 7962.
Simidu, U. 1376, 2496, 3866, 5546, 6437, 8161, 8246, 9541.
Siminovitch, L. 7643, 8676.
Simion, F.A. 11241.
Simitzis-Le Flohic, A.M. 6436.
Simko, S. 5480.
Simmons, D.G. 1106.
Simmons, D.J.C. 4576.
Simmons, F. 8061.
Simmons, J. 10665, 12540
Simmons, J.R. 874.
Simmons, P.D. 11760
Simmons, R.L. 9308, 10235, 10612.
Simms, D.H. 7216.
Simon-Pujol, M.D. 459, 12115.
Simon, B.M. 2490, 3735, 13526.
Simon, C. 810
Simon, D.G. 11807.
Simon, E. 7146.
Simon, G.B. 863.
Simon, G.L. 2184, 7916, 9216.
Simon, H. 4941, 7563, 7565, 11199.
Simon, J. 1075.
Simon, J.P. 6696.
Simon, J.W. 8002.
Simon, L. 3546.
Simon, M. 2692, 8687.
Simon, M.F. 11480.
Simon, M.R. 6972.
Simon, P.A. 9805.
Simon, R. 9865.
Simon, R.D. 2626.
Simon, W.A. 4004, 4928
Simone, M.J. 4054.
Simonet, J.B. 7100.
Simonet, M. 3201, 12888.
Simonetti D'Arca, A. 4307, 5205.
Simonetti, N. 8790.
Simoni, R.D. 11257, 12638.
Simonis, M. 2760.
Simons, E.R. 12458.
Simons, G. 5703.
Simonson, C. 1396.
Simonson, J.G. 3711, 12729.
Simonson, L.G. 7540, 7606.
Simonson, R.R 559, 5214, 8993.
Simpson, A. 11560.
Simpson, C.F. 10700.
Simpson, D.L. 1827.
Simpson, J.W. 1113, 12072.
Simpson, L.L. 7885.
Simpson, L.M. 4487.
Simpson, M.L. 3006, 8026.
Simpson, N.B. 5269.
Simpson, R.B. 5886, 6769.
Simpson, W. 4576.
Simpson, W.A. 6672, 9016, 9603, 12696
Sims, T.N. 1955.
Simson, I.W. 6150.
Sinclair, A. 8828.
Sinclair, A.C. 7742, 11365.
Sinclair, J.L. 3680
Sinclair, M.I. 3073.
Sinclair, M.J. 3680.
Sincoweay, H. 233.
Sindrey, M. 1901.
Sinegre, G. 12974.
Sinegre, M. 5052.
Sinekop, V.S. 6949.
Singer, C. 1969.
Singer, N. 1082.
Singer, S. 2368.
Singh, A. 9449.
Singh, A.K. 13249.
Singh, B. 3228, 11075.
Singh, B.B. 2394, 7115
Singh, B.D. 6527, 6820, 9458, 9989.
Singh, C.S. 13493.
Singh, G. 954.
Singh, G.J.P. 8135.
Singh, H. 2750.
Singh, H.. 8017.
Singh, I.P. 4200.
Singh, J. 1627, 4953, 7642.
Singh, K. 1139, 3359, 4618, 12213.
Singh, L.B. 5459.
Singh, M. 7680, 9105, 10536.
Singh, M.S. 13321.
Singh, N. 2420, 5501, 11757.
Singh, N.B. 3615, 13321.
Singh, N.S. 2039.
Singh, P.K. 2471.
Singh, P.P. 13071.
Singh, R. 898, 6398, 13088.
Singh, R.B. 6527, 6820, 9458, 9989.
Singh, R.K. 6527.
Singh, R.M. 6527, 6820, 9458, 9989.
Singh, R.P. 7426, 10738.
Singh, S.P. 1799, 9317.
Singh, T.Y.B. 13321.
Singh, U.B. 2332.
Singh, V.P. 2763, 6820, 7855, 9458, 9989
Singhal, P.C. 6221.
Singhal, S.C. 8017.
Singla, O. 3470.
Singleton, F.L. 1314, 12413.
Singleton, R.,Jr. 11556.
Sinha, A.A. 2621.
Sinha, A.M. 8861.
Sinha, B.K. 8174.
Sinha, N.K. 11048.
Sinha, R.K. 1462.
Sinha, R.N. 12213.
Sinha, S. 12599.
Sinha, S.K. 7309, 12095.
Sinha, S.N. 693.
Sinha, U. 2763, 2884.
Sini, F. 5436.
Sinitsa, V.I. 2147.
Sinskey, A.J. 12792.
Sinyagina, O.P. 7651, 11363, 12868.
Sinyak, K.M. 225.
Siopongco, M.C. 10851.
Siou, G. 11751.
Sipilae, P. 5286.
Sippel, J.E. 899, 901, 11535.
Sir, Z. 9365.
Siraganian, P. 3169.
Sirbu, P. 4430.
Sircar, B.K. 2041.
Siregar, S.P. 7827, 8282.
Sirgel, F.A. 4998.
Sirois, J.C. 3094, 6412.
Sironi, G. 4116.
Sirot, J. 4462, 5390.
Sisson, P.P. 2672.
Sissons, A. 12321.
Sistachs, E. 3690.
Sita Devi, C. 10297.
Sitrin, R.D. 3051.
Sittampalam, Y. 11741.
Sittelman, M. 6294.
Situkhina, N.S. 9423.
Sitzmann, F.C. 5322, 10250.
Sivaram, A. 12488.
SivaRaman, C. 11196.
Siviram, A. 2753.
Sivonen, A. 9032.
Sivonen, K. 7396, 12183.
Six, E.W. 4116.
Sizemore, R.K. 3756, 8412, 9490, 12114, 12832.
Sjoberg, B.M. 7569.
Sjoeberg, B. 3899.
Sjoeberg, B.-M. 8560, 11083.
Sjoegren, I. 6262.
Sjoevall, J. 13125.
Sjogren, I. 1911.
Sjogren, R.E. 1174, 1398, 2462.
Skaletsky, E. 10266.
Skaliy, P. 742, 2285.
Skalka, B. 35.
Skalova, R. 12887.
Skamene, E. 5231, 6903.
Skaren, U. 9369.
Skarin, A. 9609.
Skatrud, J. 13121.
Skaug, K. 7906, 8965.
Skeeles, J.K. 1095, 6343.
Skeffington, R.A. 8176.
Skerl, M. 13272.
Skerman, V.B.D. 2424.
Skibo, E.B. 4933.
Skidmore, A.G. 368, 4529.
Skinner, A.R. 7914.
Skinner, F.A. 13544.
Skinner, J.A. 4385.
Skinner, M.D. 8073.
Skinner, R H. 12935.
Skinsnes, O.K. 4364.
Skipp, R.A. 3715, 5533.
Skirrow, M.B. 1114, 4417, 7983.
Skjelkvale, R. 8819, 8896.
Skjoerten, F. 1809, 5912, 12902.
Skjold, A.C. 12754, 12782.
Skjold, S.A. 11279.
Skobiilova, N.K. 12698.
Skogh, T. 1330.
Skosey, J.L. 9252.
Skov, P.S. 12026.
Skovgaard, N. 8252, 8287, 8288, 8289, 8290, 8291, 8292, 8421, 8422, 8591, 8728, 8819, 8935, 8936, 9230, 9231, 9232, 9450, 9499.
Skrdleta, V. 8201.
Skripkin, E.A. 2697, 6584, 12543.
Skripnik, S.N. 12397.
Skryabin, G.K. 1393.
Skryabin, K.G. 8593.
Skujins, J. 1222.
Skulachev, V.P. 1343, 4790, 7479, 8393, 10946, 12281.
Skup, D. 11265.
Skura, B.J. 9604.
Skuratovich, A.A. 2168, 6249, 10437.
Skurnik, M. 1693.
Skurray, R. 8729.
Skvaril, F. 11127.
Skvortsova, E.K. 428.
Skylv, G. 7941.
Slack, J. 7153.
Slack, M.P.E. 2552, 4523, 11836, 12922.
Slack, T.K. 6229.
Sladdin, M. 1145.
Slade, H.J. 3088.
Slade, R. 11727.
Slama, S.L. 7033.
Slaney, L. 7697.
Slanger, W.D. 1045.
Slansky, H.H. 5429.
Slappendel, R.J. 7932.
Slater, C. 5831.
Slater, E.C. 11171.
Slater, J.H. 1503, 1614, 9657, 12682
Slavik, J. 8365.
Slavik, M.F. 1095, 4244
Slayman, C. 13533.
Slechta, L. 7721, 11348.
Sleesman, J.P. 9393.
Sleiderman, S. 8109.
Sleigh, J.D. 3028.
Sleijfer, D.T. 10279.
Slepecky, R.A. 3093.
Slepneva, I.A. 4825.
Slevin, M.L. 6190.
Slezarikova, V. 6569, 88
Slifkin, M. 2541.
Sligar, S.G. 4774, 6534.
Slinker, B.S. 3990, 8614.
Slmukhametov, S.Kh. 34
Sloan, G.L. 8338.
Sloan, L. 12683.
Slobbe, W. 4039.
Slobin, L.I. 8530.
Slocombe, B. 348.
Slocombe, P. 12745.
Slocombe, P.M. 9873.
Slocombe, R.F. 8112.
Slodki, M.E. 7448, 7451.
Sloman, R. 5402.
Slonczewski, J.L. 2650.
Slooten, L. 6553, 6554.
Slosarek, M. 8272.
Slot, P. 3592, 3820.
Slots, J. 1303, 1363, 6678 9546, 11434.
Slowik, J. 7442.
Sloyer, J.L.,Jr. 648.
Slugina, S.V. 4457.
Slusarenko, A.J. 2544.
Slutzki, S. 13340.
Sly, D.E. 9094.
Smagowicz, W.J. 1451.
Smale, T.C. 2959.
Smalley, J.R. 11767.
Smart, J.B. 12653.
Smekal, F. 8542, 9703.
Smellie, J.M. 10416.
Smelt, J.P.P.M. 8873.
Smerdel, S. 12887.
Smeyers, E. 1074.
Smialowicz, R.J. 11509.
Smibert, R.M. 8406.
Smid, D. 11016.
Smilack, J.D. 10464.
Smiley, B.L. 11051.
Smillie, R.H. 2495.
Sminoet, J.M. 7100.
Smirnoff, W.A. 3101.
Smirnov, P.M. 2453.
Smirnov, S.V. 11991.
Smirnov, Yu.V. 4901.
Smirnova, G.F. 13516.
Smirnova, G.V. 12465.
Smirnova, I.A. 4790, 12281.
Smirnova, Z.S. 10, 12571.
Smit, A.J. 3699.
Smit, H. 1774.
Smit, J. 5628.
Smith, A.D. 7424.
Smith, A.J. 5560.
Smith, A.L. 394, 1407, 6792 9986, 10424.
Smith, A.M. 6182.
Smith, A.P. 1991.
Smith, B.E. 4876, 11145.
Smith, B.P. 2353, 3646.
Smith, C.A.F. 3429.
Smith, C.B. 3377, 10133, 10
Smith, C.C. 904, 8069, 10428
Smith, C.J. 370.
Smith, C.P. 8364.
Smith, C.W. 600.
Smith, D. 11945.
Smith, D.A. 2862.
Smith, D.D. 582.
Smith, D.E 616, 1331.
Smith, D.G. 7632.
Smith, D.H. 3243.
Smith, D.J. 3231, 7955, 9064
Smith, D.W. 5698, 12675.
Smith, D.W.E. 7509.
Smith, E.C. 10464.
Smith, E.F. 10247.
Smith, E.K.M. 7186.
Smith, F.E. 5285.
Smith, F.N. 10178.
Smith, G. 5136
Smith, G.A. 3734, 10803, 12
Smith, G.D. 3860
Smith, G.M. 2729.
Smith, G.R. 3170, 3249, 499
Smith, G.S. 5216, 5226.
Smith, G.W. 7344.
Smith, H. 1856, 5986, 12227 12954, 13005.
Smith, H.L.,Jr. 2574.
Smith, H.O. 8693, 11324.
Smith, H.R. 6746.

th, H W. 3063, 5117, 8722, 8809.
th, I. 264
th, I C P 8380
th, I M 2465, 9041, 12464
th, J 2959, 5397.
th, J.A. 368, 1753, 2955,
)49, 7961
th, J C 11773
th, J.D 4390
th, J G 3283
th, J G ,Jr 13081
ith, J J 5502
ith, J K. 758, 2012.
ith, J L. 8167
ith, J M. 1539, 6873
ith, J P. 8518
ith, J T. 286, 1499, 11208
ith, J W. 5053, 6210.
ith, K. 1059, 12608.
ith, K C 2864
ith, L D. 10922
ith, L G 6241, 11459
ith, L H.,Jr 4395
uth, L L 12027
uth, M 1837
uth, M D. 4096
uth, M E 10114
uth, M G 12431
uth, M N 5506
uth, M.R 9504
uth, M S 6419
uth, P B 11961
uth, P C 6366
nith, P F 5917
nith, P M 10028
nith, P W 690
nith, R 3254.
nith, R D. 2938, 4990
nith, R E. 2460, 4267, 8935
nith, R L. 137, 8226
nith, R P. 1011, 1883, 8762
nith, R S 2460
nith, S 11055
mith, S A. 7820, 11150.
mith, S M 3801, 9977
mith, S N 8188
mith, T F. 12233, 12234
mith, V A. 4041, 12090
mith, V J 2401
mith, W C 8905
mith, W G 4041
mith, W H 1858
mith, W P 1536
mith,S J 7354
mitley, D R 1143
mokvina, T 12224
moly Aminov, V V 12506
moly, L S 13173
moot, L A 4215
Smorawinska, M. 11272
Smrkolj, A. 13272.
Smrz, J. 2414.
Smyk, B. 1168.
Smyser, C.F. 1052, 1053, 6328, 13357
Sneath, P H.A. 4684, 5593.
Snedecor, B 8661
Snegiryova, A E 13372
Snell, E.E. 7564, 7566.
Snella, M.C 490.
Snellen, J.E. 10724
Snellings, K. 7662.
Snepar, R. 3007, 6140.
Sng, E.H. 1725.
Snider, D.E.,Jr 10483
Snider, D.E.,Jr. 752, 11726, 13293
Snidvongs, W. 10496
Sniffen, J.M. 8758.
Snipes, K.P. 8350.
Snipes, W 5982.
Snodgrass, D.R. 4590, 9054.
Snoeyenbos, G.H. 1052, 1053, 6328, 13357, 13358, 13385, 13396
Snow, L.M. 512.
Snow, N. 771.
Snowden, R.B. 1960
Snowman, W.R.,J 6996
Snowsill, L. 7833
Snudden, B.H. 6435.
Snustad, D.P. 5013.
Snyder, F.F. 3782.
Snyder, I.S. 6864.
Snyder, J.D. 4249.
Snyder, J.W. 10453.
Snyder, R.D. 893
Snydman, D.R. 6209
Soave, O. 5470.
Sobczak, H.J.J. 11442.
Sobel, J.D. 994, 4721, 12025
Sobel, R.S. 13108
Soberalske, R.M. 1167
Soberon, X. 4973.
Sobolev, V.R. 7821, 9930
Sobotkova, J. 8293.
Socransky, S.S 374, 715, 5097, 6155
Socranssky, S.S. 9084
Soda, K. 1494, 3993, 5750, 8590.
Soderberg, K.L. 2876
Sodergren, E. 8531
Soeder, P 5283
Soederberg, G. 2096
Soederlind, O 9863
Soederling, E. 4906
Soederlund, H 4799, 5026
Soegaard, H. 5119.
Soegaard, P. 12919, 12926
Soejima, M. 3970, 3980
Soekanto, W 13240.
Soell, D. 12545
Soemitro, D W 10143
Soendjojo, A. 11669
Soennichsen, N. 5095
Soerensen, P S. 907
Soerhaug, T. 5790
Soerjadi, A.S 1052, 1053, 6328, 13357, 13358, 13385, 13396
Soethout, A.E E. 1093.
Sofuku, S 4187
Sohail, M.A 1978
Sohlenius, B. 12122.
Sohnle, P.G 13353
Sojka, W.J 3626
Sokalska, M. 9052, 9062, 9065
Sokalski, S.J. 3206
Sokatch, D J. 5775
Sokatch, J.R. 5775, 5784.
Sokol, A. 9884
Sokol, P.A. 190, 4266
Sokolovskaya, A.D 9026
Solano, J T. 11742.
Solberg, C.O 6105
Solberg, M 4769
Solberg, O. 1790, 1809, 5912, 7356, 12902
Soldateschi, M. 11733
Solem, L.B 10505
Soler-Soler, J. 3447
Solf, R. 1336
Solh, N E 5034
Soliman, A.H 12364
Soliman, F.S.G. 433
Soliman, H. 449.
Solliday, J 3442
Sollmann, H. 3510
Sologub, V.K. 1041
Solomkin, J.S. 9308
Solomon, B O 10986
Solomon, H.M 2652, 5154.
Solomon, N.H. 10370.
Solomon, R.D 7549
Solomon, R J 860
Solomon, S. 10082
Solonin, A S. 4975, 12759
Solotorovsky, M. 965
Solovyeva, N.Y 1654.
Solsona, M 12049
Solt, A.K 1628
Soltani, K 6085
Soman, M 9246
Somasegaran, P. 12210
Somasekhar, G. 3800
Somburanasin, R. 10527
Somenzi, P 7688, 8793
Someren, A 9206
Somers, J M 116
Somers, R.L. 6859
Somerville, M M 309.
Somerville, P.C. 4473, 4511.
Somerville, R. 11290
Someya, S. 634.
Somlyo, A.P 87
Somlyo, A.V. 87.
Sommer, H 1434
Sommer, R. 11020
Sommers, H.M 5089, 6810, 12280.
Sommerwerck, D. 11725
Sommese, L. 2745.
Sompolinsky, D. 2609
Soncini, G. 8430
Sonck, C E. 10196.
Sondel, P.M 11627
Sonenshine, D.E. 1135, 2244
Song, K.-R. 9035
Song, Y. 2796.
Soni, N.K. 3278.
Sonnabend, W. 10503
Sonne-Holm. S. 11814.
Sonnenbichler, J. 11082
Sonnendecker, E.W.W. 863
Sonnenschein, B. 4547, 10682
Sonnenwirth, A.C. 3357, 10859, 10915
Sonneville, A. 878.
Sonntag, I 6608, 12805.
Sonobe, J. 12940
Sontag, D. 13161
Sood, A. 12536
Sood, L.R. 44.
Sood, S C. 8017
Soohoo, J.B 2484, 9495
Soothill, J.F 7962.
Soots, G. 12189.
Soper, T.S. 8608.
Soracco, R J 5682
Soranzo, M.L. 3030
Soranzo, M.R. 3191.
Sorarrain, O.M. 2337
Sorensen, D.L. 3692, 8168.
Sorensen, H. 5979.
Sorensen, J. 112.
Sorensen, S.F. 7018
Sorg, R.J. 2576.
Sorger, S. 6453.
Soria Munoz, F. 11960
Soriano, F. 3505, 4246, 5104, 9808
Soro, O 395, 8787.
Sorokin, D.Yu. 12153
Sorokin, I. 7340.
Sorokulova, I.B. 12966
Sorri, M. 6995
Sosa, I.R 2075
Sosedov, O.N 12596.
Soskolne, W.A. 6159.
Sotakova, S. 8182.
Sotirova, V.G. 3673.
Soto, A. 5293.
Soto, B. 2208
Sottile, W.S. 12007
Souda, Y. 1730
Souki, N T. 9523.
Soulas, G. 8199
Soulie, J. 7151.
Souquet, J.C. 2221.
Sours, H.E. 11763
Souser, M.L 8754.
Soussy, C.J. 5965, 12893
Southgate, R. 2959
Souza-Neto, A. 2703.
Sova, O. 9884
Soveri, T. 483
Sowa, B.A. 5839.
Sowa, M.A. 5438
Sowar, M.C. 12389
Sowden, L.C 8389, 10956.
Sowell, G.,Jr. 9400
Spadaro, J.A. 8846
Spaeth, P.J. 11127.
Spagna, V.A. 2140.
Spagnoli, R. 5042
Spagnolo, S.V. 9107
Spagnuolo, P.J. 3205, 6112, 6924, 9174.
Spahr, S.L. 10657
Spalla, C. 7744.
Spano, C. 10309
Spano, L. 4612.
Spanoghe, L. 3248
Sparks, A.K. 9378.
Sparling, P.F. 13226.
Sparrow, C.P. 1284
Spasojevic-Rabrenovic, V. 625.
Spasokukotskaja, T. 4916
Spatafora, G 10524.
Spear, G.S. 6091.
Spearman, L.C. 5697, 11036.
Speciale, A. 316.
Speck, P.T. 8702
Speck, W.T 383, 10460
Speckman, R.A. 8270.
Spector, P.C. 1954.
Spector, S.A. 10539
Speek, M 3902.
Speight, T.M. 3038, 4171.
Spektor, F.E. 3424.
Spellacy, A.B. 1011
Spellacy, W.N. 1352.
Speller, D.C.E. 3282.
Spence, D.J 10186.
Spence, D.W 1684.
Spence, L. 5312.
Spence, M.R. 13189.
Spencer, C. 2382, 8092
Spencer, C.D. 5306.
Spencer, D.B. 6620
Spencer, D F 8499
Spencer, D.L. 9252.
Spencer, J.L. 3617, 10654
Spencer, K.G. 7268
Spencer, R.C. 9279
Spendlingwimmer, I. 2141
Spendlove, J.C. 8237.
Sperker, S. 7415
Spero, L. 468, 5156.
Sperry, J.F. 539
Speth, J.L. 1742.
Speth, V. 6485.
Spibey, N. 4963
Spicer, A.B. 4170.
Spicer, K.M. 11988
Spicher, G. 10024, 11020, 11447.
Spickards, A. 10494.
Spickett, A.M. 1781.
Spidalieri, G 7090.
Spiegel, C. 11802.
Spiegel, T. 10665
Spiess, H. 3548.
Spiess, L.D. 4698
Spika, J.S. 638, 654, 4269
Spina, A. 1366
Spina, G. 9008.
Spindle, A.I. 11830.
Spira, W.M. 4648.
Spirer, Z. 10423.
Spirer, Z.H. 7939.
Spirin, A.S. 4815, 6580.
Spiro, T.G. 3941, 7537.
Spitalny, G.L. 542.
Spitalny, K.C 4461.
Spitnik-Elson, P. 5714, 11072.
Spitsa, T.I. 1921.
Spitz, L. 11777.
Spitzbarth, P. 9875.
Spitzer, J.A. 13031.
Spitzer, J.J. 8880.
Spitzy, K.H. 1036, 8772.
Spizek, J. 8609, 8617.
Splawinski, J. 4069
Splittstoesser, C.M. 9380.
Spoor, T.C 950
Sposini, T. 12941.
Sprague, S.G. 142, 4723
Spratt, B.G. 7420, 8540.
Spratt, D.M. 1100.
Spray, S. 2256
Sprengel, G. 6567.
Springer, H.-J. 7369.
Springer, J. 1274
Springer, J.A. 10262.
Springer, M. 5707, 12749.
Springer, T.A. 4313.
Springer, W. 9888, 11261.
Springer, W.T. 13365.
Springett, A. 644
Springham, D.G. 1580.
Springhorn, S.S. 12796.
Sprinzl, M. 11094.
Sprott, G.D. 9607, 12288, 12345.
Sprott, M.S. 4370, 8055.
Sproul, O.J 5142.
Spudich, J.L. 12498.
Spurna, V. 1282.
Squier, S. 12912.
Squire, P.G. 8868.
Squires, C. 7644.
Squires, C.H. 252, 12570
Squires, C.L. 7644.
Sraer, J.D. 13283.
Sramek, J. 8048.
Sreebny, L.M. 11696.
Sreenivasamurthy, V. 4208
Sridhar, P. 2857, 8741.
Srikanth, T.A. 6483
Srimal, S. 11243.
Srinivas, R.V. 8751.
Srinivasa Rao, B. 6455, 6460
Srinivasa, B.R. 7803, 11414.
Srinivasan, A. 5753.
Srinivasan, G. 5298.
Srinivasan, S. 2323.
Srinivasan, V.R. 1388, 5003
Sriratanaban, A. 4414.
Sritharan, V. 6145.
Srivastava, A 3615
Srivastava, C P. 4588
Srivastava, J.S. 9458, 9989.
Srivastava, N.C 6379
Srivastava, O.P. 4021.
Srivastava, R. 2695
Srivastava, R.A.K. 2815
Srivastava, R.C. 1195, 2476
Srivastava, S. 2763.
Srivastava, S.K. 6346, 11608.
Srivastava, V.K. 5135.
Sriyabhaya, N. 6171.
Ssali, H. 2452.
St Geme, J.W.,Jr. 5321.
St. Clair, P.J. 3381, 11809.
St. Geme, J.W.,Jr. 963
St. John, M. 746.
St John, M.A 10417.
St. John, R.K. 853, 854.
St. Jonh, V.S. 6369.
St Martin, E.J. 5632
Staat, R.H. 6666, 8398, 10301.
Staats, J.J. 8901
Staber, F.G. 12736.
Stabile, M. 1823
Stableforth, D. 4488.
Staboulis, D. 5940
Stacey, G. 12731.
Stach, J.-L. 6079
Stack, R.J. 7461.
Stackebrandt, E. 1449, 2564, 4709, 5725, 12523.
Stackebrandt, E.G. 12268
Stackiw, W. 6192.
Stade, S. 8191.
Stadelman, W J. 3092.
Stadhouders, A M. 2329.
Stadler, W. 1023.
Stadt, S.J. 2412
Stadtman, E.R. 4047, 4052
Stadtman, T.C. 8574, 9691.
Stadtsbaeder, S. 9103.
Staehelin, A. 142.
Staehelin, L.A. 4723.
Stager, C. 5937
Stager, C.E. 4702.
Stager, D. 10552.
Stagg, A.J. 9476.
Stagno,S. 5287
Stahl, D.A. 2720.
Stahl, J.P. 4168, 4444, 7891.
Stahl, S. 9857
Stahl, U. 4329, 12834.
Stahlknecht, C.-D. 3365.
Stahlman, T. 492.
Stakenas, P S. 12510.
Stalder, H 1018.
Staley, J.T. 12155.
Staley, T.E. 2525.
Stall, R.E. 1701.
Stallings, W.C. 4067.
Stallknecht, D.E. 6349.
Stallones, R.A. 10122.
Stalon, V. 6696
Stam, H. 1814
Stamey, T.A 590, 8911.
Stamm, J.W. 13115
Stamm, W. 10403.
Stamm, W.E. 2158, 3754, 7192, 10506, 11816, 11925, 13146, 13202
Stan-Lotter, H. 1554.
Stanarius, A. 8106.
Stanaszek, R.S. 7742, 7815, 11365
Stanbridge, E.J. 9530, 10238.
Stancampiano, R. 9008.
Standertskjoeld-Nordenstam, C. 9161.
Standfast, S.J. 1011.
Standiford, C.L. 9205.
Standridge, J.H. 12212.
Staneck, J.L. 971, 1984, 9575, 10408, 12009.
Stanek, G. 7392, 7846.
Stanek, M. 8190, 8212, 9399, 9474.
Stanescu, C. 5905
Staney, T.A. 13306.
Stanfield, G. 8.
Stanford, J.L. 4315, 6073, 6891, 7949, 10211.
Stanhope, J.M. 5362.
Stanier, G 13362
Stanisic, M. 11903.
Stanislavsk, E.S. 7915.
Stanislavsky, E.S. 10162, 10163.
Stanley-Samuelson, P. 11120.
Stanley, C.S. 4847.
Stanley, N. 12032.
Stanley, R.C. 10522, 10585
Stanley, S.J. 3241
Stanley, S.O. 2498.
Stansfield, E. 5069
Stanssens, P. 5028, 8678.
Staples, G.E. 1045.
Stapleton, J.J. 7327, 12151.
Starc, T. 4406.
Starchenkov, E.P. 12668
Stark, A.A. 2605, 2611.
Stark, D.M. 1073.
Stark, P. 3326.
Starka, G 11437.
Starka, J. 5829, 6630
Starke, I.D. 560.
Starkey, W. 3517.
Starkova, Z. 6630.
Starn, D.R. 6725, 7681
Starobin, S.G. 647.
Starostina, Z.D. 6247, 6947, 7829
Starovoytov, I.I. 11119, 12381.
Starr, A.J. 5383, 12884
Starr, M.P. 54, 96, 1641, 4705, 4712, 8388.
Starr, S.E. 968.
Starzyk, M.J 10051.
Starzyk, R.M. 9682.
Stas, G. 5073, 5130.
Stashak, P.W. 6933
Stasiak, A. 7498, 11102.
Staskawicz, B.J. 2913.
Stassi, D.L. 6739
Stathakis, C. 5443
Staub, A.M. 10158.
Staub, M. 4916.
Staudenbauer, W. 4141.
Staudenbauer, W.L 9905
Stauffer, C. 6226.
Stauffer, U.G. 13252.
Staum, M. 7106.
Stavitz, J. 11387, 12920
Stavri, D. 3171, 3172, 3173, 8939
Stavri, H. 3171, 3172, 8939

Stavrianopoulos, J.G. 4896.
Stead, W.W. 754, 6195, 10478.
Stebaeva, L.F. 1771.
Stebbing, N. 9811.
Steele, J.H. 12930.
Steele, K.W. 12464.
Steele, P. 3703.
Steele, R.W. 11941.
Steen, W.C. 7433, 8407
Steensma, H.Y. 7671.
Steer, C.R. 1761
Stefan, J. 9015.
Stefanini, A.M. 10164.
Stefano, J.E. 7647.
Steffen, E.K. 1543.
Steffen, R 2250.
Steffens, K. 11186.
Stegeman, H. 442, 3103.
Stehman, S.M. 1052, 6328.
Stehr, K. 13056
Steidten, G. 10890.
Steigbigel, R.T. 9963.
Steigerwalt, A.G. 26, 27, 28, 29, 156, 1288, 1315, 2007, 2574, 2576, 3779.
Stein, A.J. 975.
Stein, D.C. 2831.
Stein, M. 1165.
Stein, R.A. 13364
Stein, S.C. 885.
Steinbach, E. 5290
Steinbach, G. 10646, 10661.
Steinberg, C. 3741.
Steinberg, D.A. 2931.
Steinberg, J.B. 10336.
Steinberg, N. 6586
Steinbrecher, U.P. 10517.
Steinbrink, D.R. 7562, 11156.
Steinbuser, R 2021.
Steiner, B. 1420
Steiner, D.F. 6768.
Steiner, H. 543, 8853.
Steiner, I. 12946.
Steiner, L.A. 11123.
Steiner, M. 3300.
Steiner, R. 139.
Steiner, T. 5567.
Steinerova, N. 7619.
Steinhardt, Y.N. 2017.
Steinhoff, M.C. 5250.
Steinitz, Y.L. 1430.
Steinkohl, M. 10821.
Steinling, M. 859.
Steinman, H.M. 8517.
Steinum, A.-L. 9714.
Steitz, T. 8512.
Steitz, T.A. 5736, 8483.
Stejskalova, E. 1632, 11195.
Steklov, A.F. 13532.
Stelma, G.N. 7883.
Stelma, G.N.,Jr. 8871.
Stelzer, W. 7369.
Stemke, G.W. 3788, 6301.
Stemmer, W.P. 13449.
Stemmer, W.P.C. 13422.
Stempel, D.A. 13021.
Stemshorn, B. 502, 7909.
Stenberg, E. 5660.
Stendahl, O. 1330.
Stenek, G. 11985.
Stenson, S. 5426.
Stenstroem, R. 11822.
Stenvik, M. 6293.
Stepanenko, V.I. 12899.
Stepaniak, L. 11184.
Stepanov, V.M. 11213, 12581.
Stepanova, L.K. 7981.
Stepanshin, Yu.G. 7704.
Stepanyan, G.M. 4206.
Stepanyuk, V.V. 12313.
Stephan, H. 11020.
Stephan, M. 12654.
Stephani, U. 11586.
Stephanopoulos, G. 6405.
Stephen, A.M. 4945.
Stephen, J. 6861, 12985.
Stephen, R.C. 12112.
Stephen, T. 9170.
Stephens, D.S. 11825.
Stephens, E.B. 2702.
Stephens, G.R. 12143.
Stephens, K. 6681.
Stephens, L.R. 91, 9353, 9355
Stephens, M.A. 9203, 9776.
Stephens, P.E. 5823.
Stephens, R.S. 4392, 8928.
Stepp, L.R. 202.
Sterkenburg, A. 1698.
Sterling, W.A. 11737
Stern, C M.M. 10047
Stern, E.A. 6558
Stern, G.A. 11952.
Stern, M.D. 10994
Stern, N.J. 3802, 5553, 6880, 13165.
Sternbach, H. 2711, 3979, 5741.
Sternberg, N. 1681.
Sternweis, P.C. 6003.
Stetter, K.O. 11132.
Steubing, P.M. 6917.
Stevens A. 7124.
Stevens, A.E. 602, 6353, 9336.
Stevens, C.E. 6100.
Stevens, C.P. 13251.
Stevens, D.A. 6196.
Stevens, E. 2865.
Stevens, F.J. 1497.
Stevens, G.P. 1022.
Stevens, M. 4684.
Stevens, P.W. 1497.
Stevens, R.H. 4333.
Stevens, R.W. 5190.
Stevenson, L.H. 1228.
Stevenson, L.Q. 993.
Stevenson, M.M. 3212, 5231.
Stevenson, R.M.W. 1803, 10152.
Stevenson, W.R. 13444.
Stewardson-Krieger, P. 886.
Stewart, B.J. 5381.
Stewart, C. 9777
Stewart, C.R. 11303.
Stewart, C.S. 5929, 6380, 11017.
Stewart, D.J. 10247.
Stewart, G.C. 1755.
Stewart, G.J. 4762.
Stewart, G.S.A.B. 8353.
Stewart, G.T. 790
Stewart, J. 4295.
Stewart, J.C. 2990.
Stewart, J.W.B. 2434, 5514, 5526.
Stewart, K.S. 9256.
Stewart, L. 6371.
Stewart, M. 87.
Stewart, T.S. 9692.
Steyn, P.L. 37.
Steyrer, K. 2141, 3160.
Stiburek, B. 2372, 4330
Sticht-Groh, V. 10040.
Stickl, H 10258
Stieber, R.W. 13.
Stiefel, H.E. 6984.
Stieglitz, M. 5958, 9962.
Stieritz, D.D. 13330.
Stiffel, C. 9030.
Stiliadis, J. 11739.
Stille, W. 3511, 4505, 6969, 7189, 9314.
Stiller, D. 6384.
Stilwell, G.A. 1985.
Stilwell, K. 7909.
Stimmesse, B. 13028.
Stimson, J.B. 916
Stinebring, W.R. 5187, 8803.
Stinson, M.W. 11111.
Stintzing, G. 2028, 6019.
Stipkovits, L. 2618.
Stirling, L.A. 2792, 12625.
Stirling, P. 3178.
Stirm, S. 4985, 7626, 7920.
Stirrups, D.R. 3292.
Stiver, H.G. 5861
Stjernstroem, I. 11564.
Stlal, R.E. 13439.
Stock, J.B. 5602.
Stock, K.-P. 1023.
Stocker, B.A.D. 11281, 12916.
Stockner, P.K. 4688.
Stocks, N.I. 2244.
Stodolsky, M. 7679.
Stoeckenius, W. 77, 4776, 12327.
Stoeffler-Meilicke, M. 2705, 6590.
Stoeffler, G. 2705, 6590, 11078.
Stoegmann, W. 7020.
Stoenner, H.G 8767.
Stoesz, P.A. 8073.
Stoev, S. 4873.
Stoffs, W.V. 1832
Stokes, H.W. 11288.
Stokrova, J. 5892, 8742.
Stokstad, E.L.R. 8462.
Stolberg, L. 13070.
Stolbovoi, A.V. 2304.
Stolk, J.G. 4284.
Stoll, D.B. 4498.
Stolman, L.P. 11678.
Stolz, S.J. 10125.
Stone, M.M. 3241.
Stone, S.R. 11205
Stone, S.S. 4259.
Stone, W.B. 3636.
Stone, W.H. 9218.
Stoner, G.L. 581, 696, 8947
Stonesifer, J. 11340.
Stonier, C. 5337.
Stopikowska, I. 414
Stoppok, W. 8556.
Storgards, E. 5301.
Storm, D.R. 7581
Storm, W. 6874.
Stormi, M. 5434.
Stormo, G.D. 6572, 6573.
Storms, R.K. 243, 1597.
Stornowski, C. 3327.
Storozhakov, G.I. 981, 13325.
Storper, M. 5483.
Storrs, E.E. 8548.
Stott, A. 13019.
Stott, H. 6177.
Stottmeier, K.D. 6288.
Stougaard Jensen, J. 8704.
Stougaard, P. 1689, 5032, 11321, 12785, 12811.
Stoughton, R.B. 11661.
Stout, C.D. 7490, 8520.
Stout, J 6975, 9092.
Stouthamer, A.H. 1774, 6552, 8626, 12727.
Stover, B.H. 11423.
Stover, D. 1969.
Stovring, J. 893.
Stowell, L.J. 5697, 11036.
Stowers, M.D. 1528.
Strachan, R.C. 3849.
Strachan, W.M.J. 7439.
Stragier, P. 6695.
Strahan, J.D. 10299.
Strakova, J. 409.
Strand, C.L. 883, 7141.
Strandvik, B. 6289, 11708.
Strasser, T. 2269.
Strate, R.G. 5294, 10505.
Stratigos, J. 909.
Strating, A. 612.
Stratton, C.W. 377, 6778, 9978.
Straub, B. 3942.
Straub, I. 9219, 10017.
Straube, E. 9540, 9965.
Straube, S. 8902.
Straus, D.C. 3182, 3190.
Straus, S.E. 13266.
Strausbaugh, L.D. 6692.
Strausbaugh, L.J. 10290
Strayer, D.S. 10266, 13086
Strayer, R.F. 7316.
Streckfuss, J.L. 4082.
Streeter, J.G. 4626
Streichsbier, F. 12946.
Streifinger, W. 5056.
Streikuvene, I.K. 12633.
Streips, U. 1345.
Streips, U.N. 93, 7822.
Strekas, T.C. 9708
Strelitz, R.A. 11448
Stretton, R.J 3085, 3098, 5126, 7863.
Strickland, B.Y. 10098, 10118.
Strider, D.L. 9389, 9421, 12106.
Strien, U. 4546
Strijdom, B.W. 2463, 9430, 9436.
Strike, D.G. 3062.
Stringer, J. 4517, 7208, 8042.
Strippoli, V. 8790.
Strnadova, M. 8549.
Strobel, M. 2193, 6079.
Stroder, J. 1914.
Stroem, A.R. 5660.
Strohl, W.R. 4720, 4772, 12344.
Strohm, M. 5290.
Strohmaier, K. 9828.
Strom, M.S. 9614.
Strom, R. 7599.
Strominger, J.L. 2777, 5919, 9700.
Strong, K. 3811.
Strongin, A.Ya. 12581.
Stroobant, J. 8065.
Stroshane, R.M. 8652, 11347.
Strosova, Z. 409.
Stroud, R.M. 4776, 5695, 6550.
Stroynowski, I.T. 1643, 1645.
Struchkov, V.I. 7193, 10632.
Strugnell, F. 772.
Strukov, A.I. 9275.
Strunk, R. 583.
Struxness, L.A. 1453.
Strycharz, W.A. 3900, 3943, 4826, 7510, 12527, 12528
Stryker, S. 3362.
Stryker, W.S. 13151.
Stuart, K. 2269.
Stuart, K.L. 8000.
Stuart, L.A. 2190.
Stuart, M.J. 3147.
Stuart, R.K. 10242
Stuart, V. 127, 12159.
Stubbe, J. 8602
Stuckmann, K.V. 6620.
Studenikina, F.G. 12818.
Studer, U. 2106.
Studier, F.W. 5036.
Studnickova, I. 9463.
Stuermer, K.M. 3524.
Stull, T. 394.
Stump, K.H. 8562.
Sturdik, E. 8840.
Sturk, A. 3119.
Sturm, C. 4321.
Sturm, K.W. 3327.
Sturm, R. 1984, 6185.
Sturtevant, J.M. 2734.
Sturzenberger, O.P. 11684.
Stutsman, S.G. 4539.
Stuttard, C. 12823.
Stutz, G. 12016.
Stuy, J.H. 2898.
Sty, J.R. 5393.
Styblo, K. 1911, 10623.
Styrvold, O.B. 5660.
Su, C.-J. 11232.
Su, E.Y. 7204, 11968.
Suarez, J.E. 11261.
Suarez, J.R. 781.
Suarez, L.D. 1001.
Suassuna, I. 11732.
Subba Rao, N.S. 13493.
Subbotina, N.A. 7840.
Subden, R.E. 12386
Subertova, V. 10357.
Subik, J. 10937.
Sublett, R.D. 11319.
Subrahmanyam, D. 1573, 6679, 8445.
Subramanian, A.-R. 9718.
Subramanian, A.R. 3923.
Subramanian, S. 922, 2105, 11196.
Subramanina, S. 3044.
Subramaniyam, V.R. 1515.
Subramoniam, A. 1573, 4240, 8445.
Suda, I. 3081.
Sudakova, N.D. 12187.
Sudan, A.W. 7999
Sudan, N. 9300.
Suegara, N. 6382, 9375.
Sueishi, T. 511, 4253.
Suekane, T. 4946.
Suenaga, H. 270.
Sueri, L. 5361.
Suermann, R.B. 839.
Suessmuth, R. 8486
Suetake, T. 3314.
Suetin, A.N. 2303.
Sufrin, G. 13233.
Sugahara, T. 1379.
Suganuma, A. 13044.
Suganuma, O. 5970.
Sugarman, B. 90, 3829, 9606.
Sugarman, B.J. 1705.
Sugasawa, M. 6504.
Sugatani, J. 3973.
Sugawara, M. 475, 11518.
Sugawara, S. 1487, 5525, 5756, 5920, 9763.
Sugawara, Y. 4729.
Sugaya, N. 4479.
Sugi, H. 3004, 4159.
Sugihara, N. 4007.
Sugihara, T. 11024.
Sugimoto S.-I. 4832.
Sugimoto, C. 13386.
Sugimoto, K. 8700, 12238.
Sugimoto, N. 4572, 7474, 10087.
Sugimoto, S.-I. 3987.
Sugimoto, S.I. 12566.
Suginaka, H. 1708.
Sugino, S. 6892.
Sugino, W.M. 1432.
Sugio, T. 4220, 4742, 4745, 7583.
Sugisaki, H. 12591.
Sugita, H. 6476, 12031.
Sugita, M. 1720.
Sugita, R. 1998, 10323.
Sugiura, M. 2982, 3918.
Sugiyama, A. 5457, 6332, 6334, 6335, 6357, 10653.
Sugiyama, H. 6022.
Sugiyama, M. 756, 1466, 2717, 7524, 7720, 8745, 11367.
Sugiyama, Y. 4900.
Suhadi, F. 1233, 8087.
Suhayda, C.G. 1152, 3662, 4604.
Suit, J.L. 2882.
Sujbert, L. 415.
Sujudi, R. 9452.
Sukaeri, S. 13338.
Sukhareva-Nemakova, N.N. 12373.
Sukhodoeva, G.S. 6087.
Sukhodolets, V.V. 12764.
Sukonthaman, A. 10496.
Sula, L. 12350.
Sulaiman, T. 13214.
Sullia, S.B. 3730.
Sullivan, C.W. 2484, 9495, 9812.
Sullivan, G.J. 6887, 11573.
Sullivan, J. 1088.
Sullivan, J.T. 2403.
Sullivan, K.H. 7527.
Sullivan, N.E. 10037.
Sullivan, P.A. 1419.
Sultzer, B.M. 6862.
Sulzer, C.R. 39, 8089, 9339, 10708.
Sulzer, K.R. 2381.
Sumarmo 8282.
Sumarsono, N. 1233.
Sumaya, C.V. 6108.
Sumi, Y. 10723.
Summer, D.R. 9414.
Summerfield, R. 2469.
Summerfield, R.J. 1226, 24
Summers, A.O. 4970, 5831
Summers, D.K. 11059.
Summers, J.L. 8002.
Summersgill, J.T. 326.
Sumner, H.W. 11998.
Sumner, M.E. 1182, 1204.
Sumper, M. 5805.
Sun, D.-L. 13411.
Sun, Y.-H. 12861.
Sun, Z.-Z. 13245.
Sunakawa, K. 985, 1752, 44
Sunar, B. 2916.
Sund, M.-L. 1484, 2668.
Sundaram, K.R. 9029.
Sundaram, T.K. 12608.
Sundararaj, T. 3044.
Sundberg, J.P. 2336.
Sundelin, P. 6289.
Sundmacher, R. 3477.
Sundman, V. 3817.
Sundqvist, C. 1693.
Sundqvist, G. 5279.
Sundstrom, F. 9082.
Sung, F.J.M. 13484.
Sunman, G. 7577, 11400
Sunoto, S. 6479.
Suoranta, H. 7941, 9161.
Supanwong, K. 6854.
Supcharoen, S. 6981.
Supp, M. 1532.
Sur, P. 1301.
Surdeanu, M. 12833.
Sureka, S.B. 4388.
Surgot, M. 6141, 11653.
Suri, R.K. 10466.
Surinova, S.I. 1821.
Surovtseva, E.G. 12393, 126
Suryanarayana, T. 3923.
Surzur, J. 4533.
Surzycki, S.J. 11041.
Susec-Michieli, M. 13272.
Suslow, T.V. 6431, 7325, 94
10891, 12108, 13451.
Sussman, R. 11098.
Sussmuth, R. 9695.
Susumi, S. 632, 1267.
Sutcliffe, J.G. 4335.
Suter, M.A. 8599.
Suter, P. 8044, 10984.
Sutherland, B. 3594.
Sutherland, B.M. 152.
Sutherland, G.E. 2381.
Sutherland, I. 3241, 6177.
Sutherland, I.W. 2825, 4037.
Sutherland, J.C. 155.
Sutherland, R. 10658.
Sutherland, S.S. 2350, 4328.
Sutherland, T. 4005.
Sutmoller, F. 7991.
Sutphen, N.T. 1883, 8762.
Sutter, V.L. 308, 327, 4880, 6799, 6813, 9217, 11380, 1
Sutton, A. 2873, 5197, 10195.
Sutton, J.D. 10637.
Sutton, M.R. 11123.
Sutton, R.N.P. 7972.
Suu, C.-Z. 12802.
Suvaidan, D. 12881.
Suvongse, C. 5957.
Suvorov, V.A. 3433.
Suyama, K. 5970.
Suyama, T. 6099.
Suyanandana, P. 215.
Suzaki, K. 9966.
Suzina, N.E. 10953.
Suzue, S. 10031.
Suzukake, K. 4028, 4940, 504
Suzuki, A. 9520, 13025.
Suzuki, H. 1743, 2911, 3539,
Suzuki, I. 3877, 5670, 12323.
Suzuki, K. 4147, 4837, 7715, 8049, 11174, 11360, 11931.
Suzuki, M. 365, 4154, 5039,
Suzuki, N. 9800.
Suzuki, S. 2779, 4088, 4092, 6623, 7400, 9233, 13390.
Suzuki, T. 2506, 2661, 2872.
Suzuki, Y. 4207, 6684, 7567, 9765, 11187, 11598, 13339.
Svanborg-Eden, C. 4293.
Svandova, E. 10357.
Svanes, K. 3500.
Svanteson, B. 3310.
Svartaas, T.M. 11806
Svarva, P.L. 11806.
Svec, P.S. 11051.
Svedas, V.K. 4045.
Svedhem, A. 8110.
Sveen, K. 1869, 8878.
Svejcar, J. 1889.

gaard, A. 7941.
dsen, A.B 7856
dsen, I. 11037.
nerholm, A.-M. 3238, 11787
nerholm, A.-M.L. 10192, 10228
ningsen, N. 576, 6222.
son, S.B 2823, 3387, 8906, 021, 10175.
nsson, L. 923, 4450, 9189, 11801
nsson, M.L. 4270, 8937
nsson, S. 11227.
nungsson, B. 1841, 5229
rdlov, E.D. 4978, 7663, 12572
rdlova, A.N. 11207
shnikova, M.A. 10912
tukhin, A M 4276
boda, S 11991
rcova, L 8225
affield, J.E. 3767
aminathan, B. 2518, 3092, 605, 8326
amy, K.H.S. 6636
an, J.C. 4672
ann, A 7914
anson Beck, J 9073
anson, E C 1296
anson, J. 6889.
anston, W.H. 5312.
art, G.W.M 11088
arthoff, T 143, 7483, 7489
arts, R L 1019
artz, M N 11058
artz, W H 4484
ayze, J K 7808
vedenborg, J 13290
veder van Asbeck, B 8987
veeney, A 7082
veeney, H M 6830, 7837
veeney, W V 3931
veet, R.L 915, 11407, 13188
veet, W.J 9787
weetenham, D.M 7040
wensen, P. 6914
wenson, J.I. 10301
wenson, J.M 10053
wenson, P.A 263
wenson, R.M 5601
werczek, T.W 7242, 10681
werdlow, B.M. 1369
wick, H.M. 4439
wift, I.E. 4792.
wildens, M 3103
Swinburne, L. 4289
Swindle, M.M 8117.
Swinger, G.L. 9149.
Swings, J. 3847, 8145, 8146, 12084
Swinton, D. 12768
Switzer, R.L 1507, 1510, 8559, 8615, 12686
Switzer, W.P. 4244
Swoboda, U.K 8506, 9579
Sydiskis, R.J. 4679
Sydnor, A.,Jr. 13133
Syed, S.A. 2543, 3778, 10178.
Syers, J.K. 1204.
Sykes, A.G. 4847, 6609, 11025
Sykes, D. 10444
Sykes, G.P. 8100
Sykes, G.S 2083
Sykes, I.K. 1656.
Sykes, R.B. 291, 292, 2967, 2975, 7727, 7738, 8754, 9913, 11345
Sylvestre, M. 2426, 9707, 12382, 13459.
Symbas, P.N. 10448
Symington, L. 7692
Synder, L. 12687
Syracuse, M.J 3082
Syring, J. 9268.
Syrjaelae, H. 12957.
Syrykh, G.D 1919, 1921, 7841, 8972
Sysyueva, G. 4231
Syuto, B. 10067.
Syvanen, M. 11271.
Syzdek, L.D. 6445, 8236.
Szabados, L. 692.
Szabo, I 4668
Szabo, I.M. 7396
Szafranski, P. 7797, 9858
Szam, L. 10819
Szathmary, CS. 12035.
Szczylik, C. 13041.
Szekely, E. 2692.
Szent-Ivanyi, T. 10023.
Szeri, I. 6119, 9031
Szewczyk, Z. 11589
Szhankov, I.T. 4543
Sziegoleit, A. 5172.
Szilagyi, A. 11674
Szitha, K. 8382.
Szmigielski, S. 9024.
Szpryngiel, I 3259.
Szu, S. 6932.
Szulczynski, M. 1405.
Szumilo, T. 122, 3986, 4009, 5737
Szwerinski, H 5547
Szylit, O. 2398
Szymanska-Kosmala, M. 4566
Szymanski, P.T 9652
Szymczak, E.G. 3440

T'Ang, A. 10048
Taba-Tabai, M 8079
Tabaqchali, S. 11760
Tabatabai, L.B 1489, 7884
Tabatabayi, A.H 4589
Tabbarah, Z.A 3207
Tabbut, B.R 2032
Taber, H.W. 1705
Taber, L.H 5336, 7123, 10425
Taber, W.A 110
Tabeta, H. 1745
Tabita, F.R. 2751, 7555
Tabor, C.W 2641
Tabor, H 2641, 12762
Tabor, P.S. 1128, 1236, 1237
Tabuki, K 354, 2191, 5099
Tachibana, C. 7705
Tachibana, N 6046
Tachiki, T 3995, 4056, 5655
Tacon, W 2916
Tadanier, J. 7815, 11417
Tadokoro, I. 5681, 6459
Tadra, M. 8628
Taenaka, N 13336.
Tafani, B 9177
Taffet, S M 1817
Tag El Deen, M.H 10378
Taga, N. 1376, 2496, 3866, 4731, 5546, 6437, 8161
Taga, S. 3128, 12972
Tager, I.B. 10525
Tager, M 2800
Tagg, J.R 2979, 12910
Taguchi, H. 173, 176, 213, 11242
Taguchi, K. 7596
Taguchi, M 6650, 8459
Taguchi, R 9756
Taguchi, Y 5342
Tahara, M. 6617
Tahull, J.M.G 2265
Tai, P C 1536
Taichman, N.S 3148, 5171
TaiKin, W. 12840
Taillefer, R 962
Taillhar, S 9351, 11619
Taillhez, R. 9923
Taillon, M P 1439
Taintutier, D. 4568, 7239, 9351, 11619
Taintutier, D J 3816, 7257
Taira, T 2503
Tait, R 9889
Tajik, A.J. 10452
Tajima, K. 2389
Tajima, M. 1487, 3799, 5620, 5756, 9763
Tak, T 2502.
Takabatake, M 6287.
Takacsova, G 10937
Takada, H 6913, 6916.
Takada, K. 2749.
Takada, M 5044
Takada, N 3836
Takagi, H. 7270.
Takagi, M 3963, 5099.
Takagi, Y 2715, 2945, 5838, 9720.
Takahashi, H. 762, 2846, 4098, 4852, 4959, 11792, 12565
Takahashi, I 3948, 7419
Takahashi, K 298, 2734, 3574, 3575, 5437, 7737, 8452
Takahashi, M. 5145, 5253, 5557, 5754, 7353, 11056, 11180
Takahashi, N 7607
Takahashi, S 2016, 4936
Takahashi, T 1720, 5681, 6459, 8577
Takahashi, Y. 2993, 4164, 5674, 7750, 9912, 11346
Takai, M. 10956
Takai, S 8351, 8952.
Takaichi, S 2845
Takakuwa, S 4919
Takama, M. 9767, 11183
Takamatsu, K. 1008
Takamatsu, T 1381
Takami, K. 5642, 8576
Takamura, Y 4868
Takanami, M. 4835, 8700, 12591
Takano, I. 4137.
Takano, K. 485
Takano, M 5989, 12328
Takano, T 7482, 12784
Takaoka, M. 5916
Takasaki, E. 10397
Takase, A. 1007, 2016, 7136
Takashima, S 11792
Takashima, T 354, 2191, 5099
Takashima, Y 2306
Takasugi, H 2956, 3020, 3021, 11399
Takata, N 1708
Takatsuka, K. 1737
Takatsuki, Y. 2969
Takaya, T. 2956, 3020, 3021, 11399
Takayama, K. 1577, 2824, 12737
Takeda, T 7703
Takeda, Y. 469, 2911, 3126, 3127, 3128, 4227, 5148, 5698, 7703, 8922, 9713, 11482, 12258, 12799, 12972
Takeguchi, M.M 9805
Takehara, T 6645
Takehisa, M. 3104, 4219, 6848
Takei, S. 7110
Takemoto, J.Y. 1414, 1568
Takemura, S. 2713, 7894
Takenaka, M. 7168, 8037
Takeno, H. 300, 5934
Takenouchi, Y. 1487, 5756, 9763
Takesue, S. 11298, 12824
Takeuchi, I. 4213.
Takeuchi, M. 8410, 8627
Takeuchi, S. 7299.
Takeuchi, T. 299, 2957, 2963, 2969, 2977, 2992, 3040, 4146, 6071, 7635, 7802, 11420, 12908, 12918
Takeya, K. 1322, 1882, 1903, 5180, 5181, 7931
Takezawa, J 13336
Takezawa, Y 10325
Taki, T. 8470
Takimoto, M 985, 2318, 4187, 5417, 7136
Takinami, K. 3930, 3935
Takita, T. 3040, 7757, 7802, 11420
Takkinen, K. 4799.
Takolander, R 6219
Takuma, S. 3307
Talalay, P. 6591, 6664
Talanda-Fath, C. 5956
Talarczyk, J. 7947
Talbot, M.D 8025.
Talburt, D.E 1556.
Talibudeen, O. 7317
Talipov, R M 8165
Talkington, F.D 2647, 2648
Tallgren, L.G 875, 5404, 11813, 11822
Talling, I.B. 8427
Tallman, M.S 12023
Tallone, M.V. 7090
Tally, F.P. 2184, 6290, 10037, 10591
Talmadge, K. 9719
Talonu, M.T 8962
Talukder, G. 1904
Talwar, B L 3359
Talwar, G.P 3595, 13249
Tam, M.F 4806, 4822, 4824.
Tam, M.R 8928.
Tam, T.-Y 4620, 6418
Tam, Y.-C. 6955
Tamagaw, S 353
Tamai, K 10305
Tamaki, M. 4187
Tamaoki, T. 9915, 11339
Tamarin, R. 9063
Tamaro, M 4094
Tamasi, G. 10789
Tambic, T 9264
Tamborini, G. 371
Tamemasa, O. 4028, 4940
Tamer, M.A 10554.
Tamietti, G. 4602
Tamim, J 11387, 12920
Tamiya, T. 1737
Tamminen, T 12182
Tamura, A. 7373
Tamura, G 2814, 4093, 4158.
Tamura, H 3799, 12969
Tamura, K. 3793.
Tamura, T 8989
Tamura, T.-A. 12784
Tamura, Z. 5696
Tan, A 2274
Tan, H -R. 12856
Tan, I.K.P 2579.
Tan, J S. 8002, 10461
Tan, K.H 1399.
Tan, L. 12240
Tan, M.A. 2479
Tan, N.J 2169
Tan, Y 11620
Tanabe, H. 83
Tanabe, K. 756
Tanabe, M. 3980.
Tanabe, M.J. 8974.
Tanabe, N. 5592.
Tanada, S. 2713
Tanagho, E.A 11817
Tanaka, A 419, 6814, 7814
Tanaka, H. 2958, 4164, 7501, 7517, 7531, 7638, 7711, 7755, 7758, 8576, 11064, 11089, 11330, 11366, 12908
Tanaka, K. 4922, 5040, 6684, 7749
Tanaka, M. 8522
Tanaka, N. 844, 864, 3944, 4156, 7712, 7771.
Tanaka, S. 1456, 4137, 5196, 11172, 12618
Tanaka, T. 1456, 1604, 5278, 12538
Tanaka, Y. 3593, 3958, 3989, 4164, 6378, 7531, 7711, 9370, 10141, 10379, 12872, 13318.
Tanamoto, K. 8869.
Tancrede, C 5914, 11769.
Tandea, U. 1744
Tandon, S.R. 12731.
Taneda, Y. 1710, 1726
Taneja, N.K. 7394
Taneja, R. 9806
Tanenbaum, S.W. 12606
Tanfani, F. 7623.
Tang, J. 12481
Tang, M.-H. 12853, 12861
Tang, P.W 6987
Tang, S.-X. 11620
Tang, S.-Y. 13416, 13417
Tanguy, G. 11901
Tanguy, R.L. 2220
Tani, K. 1791, 4834
Tani, T. 3096.
Tani, Y. 4851, 6653
Taniashin, V.I. 12759
Tanida, S 3041
Taniguchi, N. 670, 1918.
Taniguchi, Y. 8555
Tanimoto, T. 181, 182, 7604
Tanimura, E. 328.
Tanimura, H. 2321, 7168, 8037
Taninchi, H. 7575.
Taningher, M. 4094.
Tanio, T. 3958, 9768
Taniyama, Y. 1456.
Taniyasu, F. 10964.
Tanizawa, K. 1494, 3993, 8575, 8590
Tannenbaum, S.R. 7468
Tanner, A. 8038
Tanner, E.I. 7993
Tanner, M. 3377.
Tanner, R.D 9523.
Tanner, R.S. 1449
Tano, T. 4220, 4742, 4745, 7583.
Tanphaichitr, D. 11534.
Tanphaichitr, K. 9083
Tanphaichitr, P. 11534
Tanphaichitra, D. 2038, 9144
Tanskul, P.L. 10732
Tanuchodok, A. 1806
Tantivanich, S. 11530
Tantulavanich, S. 5956
Tanura, A. 7440
Tanwar, R.K. 7226, 10085
Tanyashin, V.I. 4975
Tanzer, J. 1953, 5355, 13323
Tanzer, J.M. 7667.
Tao, J.-H 12998
Tapipalinen, I. 12186.
Tapsall, J.W. 2553
Tarakhovsky Yu.S. 145
Tarbuc, R. 6790
Tarchi-Fabbri, A.M 2593
Tardieu, A. 5719
Tardieu, J.-C. 920
Tardieu, J.C. 6244
Tardieux, A. 5534
Tardieux, P. 5534
Tardif, D 11765
Tardif, G 7698
Tarlin, L.D. 647
Tarnapolsky-Lewkowicz, A. 1665
Tarpay, M.M. 7799, 12904
Tarpey, J.T 9116
Tarr, P.I. 10195
Tarshis, M.A. 8992, 11622
Tarsin, M. 3378
Tartaglia, J.S. 2501
Tartakovsky, I.S. 5419
Tarussova, N B 177
Tarutina, Z.E 12876
Tashiro, M. 4007
Tashiro, N. 4207
Tashpulatov, R.Yu. 8972.
Tashpulatova, Z. 210
Tashro, K. 6360
Tassew, A. 4201
Tassi, Z.C 2011
Tate, K.R 8183.
Tate, M E 8404
Tate, W.P 11078.
Tateishi, M. 12804
Tatevossian, A. 730, 10982
Tatnall, R.E. 6529
Tato, P 9034.
Tatsuguchi, K. 8642
Tatsukawa, H 3097, 6068
Tatsukawa, K. 1903.
Tatsuki, T 12748, 12755
Tatsumi, K. 4026
Taubman, M.A. 3231, 9064.
Tauchi, N 2306
Taufer, M. 7996
Tauro, P 3089, 3726, 12944.
Tavakoli, H 11570
Tavares de Oliveira, E.P. 11645.
Taveirnier, J. 8678
Tavori, H 5757
Tawaratani, T. 445.
Tawil, A.B. 5432
Tax, J. 7492
Taylor-Robinson, D. 1105, 2054, 2192, 2618, 3386, 3569, 5324, 6218, 8007, 9510, 10169, 10399, 10544, 11818
Taylor, A.E. 11500.
Taylor, A.G. 9260, 13150.
Taylor, B.H 7513, 12529.
Taylor, B.L. 5637
Taylor, B.R. 13351
Taylor, C.D. 1334, 1335, 8222
Taylor, C.J. 4680.
Taylor, D.E. 287.
Taylor, D.J 2369, 6375
Taylor, D.N. 3371.
Taylor, E. 1709, 13205
Taylor, E.C. 10733
Taylor, E.W. 3263
Taylor, F.B. 1970.
Taylor, G. 4332.
Taylor, J.A. 109
Taylor, J.D. 1144
Taylor, J.F.N. 8065
Taylor, K.G. 6666, 8398
Taylor, L.C.E. 2678.
Taylor, M.W. 5815, 6528
Taylor, N.S. 5998, 6015
Taylor, P. 3616.
Taylor, P.M. 700
Taylor, P.R. 833.
Taylor, P.W. 338.
Taylor, R. 10583.
Taylor, S.C. 5762
Taylor, S.L. 376.
Taylor, T.K. 45.
Taylor, T.T. 5475.
Taytard, A. 9120, 9277
Tazima, Y. 13292.
Tazoe, M 7743, 12914.
Tazume, S 822, 8122.
Tchou, C. 4422.
Tchoulamjan, A. 6300.
Te Brugge, L.A. 12064
Teakle, D.S. 1140.
Teare, E.L. 373.
Teasdale, J. 13110.
Teather, R.M. 8606
Tebo, B.M. 7477.
Tecsan-Tumang, F.T. 4438
Tecson-Tumang, F. 11441.
Tedder, T.F. 6029
Tedesco, F. 6111
Tedesco, F.J. 11772.
Teebken-Fisher, D. 7261
Teele, D.W. 647, 6234
Teifel, J 2885.
Teintenier, E. 9305
Teitelbaum, S.L. 1839
Teixera, M. 9740
Tejani, A. 9173
Tejero, A. 4652.
Teklu, B. 5412.
Tekniepe, B.L. 96.
Telegin, M.Yu. 428.
Telerman-Toppet, N. 888, 4359.
Tembely, A. 10463
Tempe, J. 7296
Tempe, J.D. 2117.
Tempero, M.A. 690.
Temple, K.L. 128
Templeton, J. 966
Templeton, W.C 5298.
Templeton, W.C.,III 10453
Templin, G. 3573.
Ten Brink, B. 2591
Ten Cate, J.W 3119
Ten Heggeler, B. 11108
Tendetnik, Y.Y. 11544
Tenenbaum, M.J. 11996
Tenk, I. 12035
Tenney, B.L. 10370.
Tenore, K.R 12179
Tenover, F.C. 5705
Tenovuo, J. 722, 8982
Teoh-Chan, C.H. 3481.
Teoh, S.K. 927
Tepfer, D.A. 7296.
Teplinskaya, N.G. 1238.
Tepper, B.S. 12715.
Teraguchi, S. 12207.

Terai, T. 777.
Terakado, N. 4131, 6850, 10008, 11061, 12863.
Teramoto, C. 1730
Teramoto, K. 9452.
Teramoto, T. 355.
Teranishi, M. 2638.
Terao, M. 8804
Teraoka, O. 10189.
Terasawa, M. 3314.
Terashima, I. 5379.
Terashima, T. 7227, 8797.
Terawaki, T. 7110.
Terawaki, Y 2867, 3823, 11225, 12830.
Terayama, T. 8455
Terazumi, R. 5041
Terech, A. 7573.
Terekhova, L.P. 10932, 13461.
Terentyeva, T.G. 7714.
Terho, P. 3392, 9186, 10196.
Terho, P.E. 914.
Terleckyj, B. 9074
Ternak, G. 3159.
Terplan, G. 4677.
Terriere, C. 4929.
Terry, B.A. 10558.
Terry, C.S. 1156, 3681.
Terry, J. 1580
Terry, S.I. 3350.
Tertyshny, V.N. 12374, 12375, 12446.
Terui, Y. 5040, 7735, 7751, 11370.
Terzaghi, B.E. 1652.
Terzaghi, E. 1653.
Terziiski, G. 421.
Teshima, T. 9976.
Tesone, S. 3840.
Tessier, J.P. 4533.
Tessier, R. 10477
Tessler, H.H. 10186.
Tessman, I. 12776.
Tessmar, J. 11868.
Tetsukawa, H. 6536.
Teuber, M. 1670.
Tew, J.G. 6101, 6915
Tewari, D.K. 10745.
Tewari, L. 1826, 12970.
Teyssau, H. 4533.
Tezuka, T. 13292.
Thabaut, A. 325, 1707, 5064, 5082, 13243.
Thadepalli, H. 9979, 10624.
Thain, J.A. 1119.
Thal, F. 1953.
Thaler, M. 13284.
Thaller, M.C. 2633.
Thalmann, A. 6997.
Thambiah, A.S. 10475
Thanh, L.H. 5585
Tharavanij, S. 8948.
Thatcher, G.N. 4481.
Thauer, R.K. 187, 1538, 2663, 4871, 4962, 5651, 9747.
Thauvin, C. 6200.
Thayer, D.W. 12209.
Thayer, J.R. 5665.
Thayer, J.S. 7868.
Thayib, S.S. 1233.
Theilade, E. 13075.
Theilade, J. 4379, 13075.
Theiler, R. 2731, 3921.
Theilmann, L. 2290.
Thelander, L. 11083.
Thelestam, M. 5992, 6024, 11502, 11506.
Thelin, I. 9197.
Thelle, T. 594.
Then, R.L. 8800.
Theodore, C. 5395.
Theodore, R. 7183.
Theriault, R.J. 7808.
Therisod, H. 8374.
Therizol-Ferly, M. 686.
Thestrup-Pedersen, K. 594.
Thevenieau, D. 2127.
Thi Ke, N. 5887.
Thiam, K. 3915.
Thibault, M. 5965.
Thiel, G. 8890, 11823.
Thiel, H. 3494.
Thiele, O.W. 4081.
Thierbach, G. 10988.
Thiermann, A.B. 9354
Thiery, M. 2057.
Thijm, H.A. 10640.
Thin, R.N.T. 11760.
Thirer, O. 6180, 6181.
Thirkell, D. 11440.
Thirkill, C. 6283.
Thirkill, C.E. 555.
Thirumoorthi, M.C. 3009, 10427.
Thirumoorthy, T. 2169
Thiry, G. 1649.
Thivolet, J. 13246.
Thobie, N. 9005
Thoen, C.O. 501, 6337.
Thoerig, L. 11992
Thofern, E. 10999, 12168.
Thoft, R.A. 5429.
Thomas, A.D. 5054.
Thomas, B.J. 5324, 6218.
Thomas, C.A. 4077.
Thomas, C.B. 1843.
Thomas, C.J. 2598.
Thomas, D. 9972.
Thomas, D.D. 6023.
Thomas, D.F.M. 11777.
Thomas, D.M. 6674.
Thomas, D.Y. 276.
Thomas, E. 1996.
Thomas, E.J. 2474.
Thomas, E.L. 8294.
Thomas, G. 3915.
Thomas, G.A. 9671.
Thomas, G.B. 2338.
Thomas, G.M. 10709.
Thomas, J. 6413.
Thomas, K.L. 8755.
Thomas, L. 11721.
Thomas, L.C. 4477.
Thomas, L.J. 7759.
Thomas, L.L.M. 3119
Thomas, L.V. 6825.
Thomas, M. 1271, 1433.
Thomas, M.D. 1592.
Thomas, M.P. 6847.
Thomas, T.D. 216, 1387, 5785.
Thomas, T.R. 45.
Thomas, W.H. 6856.
Thomashow, M.F. 7691.
Thomason, B.M. 2576.
Thomassen, M.J. 13043.
Thompson, A.B.R. 13294.
Thompson, A.C. 8132.
Thompson, B. 8960.
Thompson, B.G. 6486
Thompson, C.J. 11315.
Thompson, E.D. 1582.
Thompson, F. 7354.
Thompson, F.D. 797.
Thompson, H. 3351, 12985.
Thompson, H.A. 1474.
Thompson, J. 641, 1559, 2144, 2324, 3052, 3908, 4157, 5945, 11992, 12462.
Thompson, J.F. 6596.
Thompson, J.K. 1431.
Thompson, J.M. 6402.
Thompson, J.S. 7403.
Thompson, K.D. 10033.
Thompson, K.G. 9659.
Thompson, M. 8052.
Thompson, M.R. 198.
Thompson, N.E. 258.
Thompson, R.L. 6803, 10586, 13302.
Thomson, A. 7114.
Thomson, A.J. 3934, 4876.
Thomson, A.W. 8971.
Thomson, J.A. 1631, 8757, 11331.
Thomson, J.E. 3757.
Thomson, K. 7439.
Thomson, P.D. 685.
Thomson, R.G. 10236.
Thomson, S.V. 1153, 1326, 8806, 9394.
Thon, H.J. 11759.
Thong, Y.H. 551, 1896.
Thongcharoen, P. 6981.
Thonus, I. 9959.
Thorburn, H. 6211.
Thoren, M. 6597.
Thorley, C.M. 629, 653.
Thornber, J.P. 12491.
Thorne, E.T. 10662.
Thorne, G.H. 10442.
Thorne, G.M. 1795, 5998, 7882.
Thornsberry, C. 320, 391, 1711, 1715, 5089, 6807, 6809, 6810, 9970, 10053, 11388, 11389.
Thornton, E. 3282.
Thornton, G.W. 2351.
Thornton, I. 9434.
Thornton, J.B. 2257.
Thornton, J.E. 5093.
Thornton, S. 6952.
Thorp, R.B. 6104.
Thorpe, A. 2491.
Thorpe, R.J. 2258, 7106.
Thorsen, J. 9353, 9355
Thouvenot, D. 10153.
Threlfall, E.J. 8744, 9856, 9907.
Thrum, H. 4961.
Thrupp, L.D. 6807.
Thumala, A. 12000.
Thunell, R.K. 4977.
Thunert, A. 515.
Thurley, D.C. 5489, 7287, 12075.
Thurlow, D.L. 12529.
Thurnauer, M.C. 8475.
Thylstrup, A. 720, 3299.
Thys, J.P. 13118.
Ti, T.Y. 6301.
Tian, D.-H. 13183.
Tian, S.-M. 13050.
Tibbit, L.R. 13251.
Tice, A.W.,Jr. 5303.
Ticknor, W. 10539.
Tidmarsh, G.F. 3848.
Tiede, D.M. 3879.
Tiedje, J.M. 4628, 8465, 11004.
Tiefenauer, L.X. 6840.
Tiesjema, R.H. 10246, 11028.
Tietze, E. 12864.
Tight, R.R 2209, 10287.
Tikasingh, E.S. 5312.
Tikhomirova, A.I. 12315, 13488.
Tikhonova, G.V. 11452, 12484.
Tikhonova, T.V. 4882, 4895.
Tilford, R.H. 9283.
Tiller, F.W. 3794.
Tiller, R.E 5287.
Tillett, H. 11889.
Tillman, D.B. 9194.
Tillotson, G.S. 3766, 7357, 8279.
Tilly, K. 5813, 5825.
Tilo, S.N. 10765.
Tilse, M.H. 2545.
Tilson, W.R. 2195.
Tilton, R. 11553.
Tilton, R.C. 3580, 6789, 13536.
Timakova, T.M. 10861.
Timchenko, G.F. 3185.
Timewell, R. 1709.
Timkina, E.O. 1350.
Timko, J. 4797.
Timkovich, R. 6610, 11202, 12477.
Timmer, L.W. 9405.
Timmerman, H. 1774.
Timmermans, P. 5994.
Timmermans, T.T. 2319.
Timmis, A.D. 7098.
Timmis, J.K. 9877.
Timmis, K.N. 9873, 9877.
Timmis, P. 1983.
Timmons, R.G. 10079.
Timms, P. 9047.
Timonen, M. 775.
Timoney, J.F. 9897.
Timoney, P.J. 5673.
Timor-Trisch, I. 10633.
Tindall, B.J. 1557.
Tinelli, R. 11487.
Ting, E. 3175.
Ting, L.P. 7616.
Tingtalapong, M. 5319.
Tinianova, N.Z. 12593.
Tinsley, P.P.,Jr. 6199.
Tinson, W. 12468.
Tio, D. 2176, 10410.
Tiollais, P. 9826.
Tipper, D.J. 1479.
Tipple, M.A. 11711.
Tira, D.E. 716.
Tirapat, C. 5319.
Tischler, M. 7989.
Tishkov, V.I. 8611.
Tison, D.L. 8295, 12059.
Titelbaum, J.A. 6233.
Titus, A.E. 6203.
Titus, J. 5605.
Titus, M.J. 10210.
Tiunova, N.A. 12576.
Tiwari, K.P. 12693.
Tiwari, L.D. 4599, 9384.
Tjade, O.H. 38.
Tjepkema, J.D. 4630.
Tkachenko, A.G. 12465.
Tkacheva, V.N. 567.
Tnag, S.-Y. 13384.
Tnalina, G.Zh. 6580.
Tobari, J. 3871, 3950, 6649.
Tobe, H. 2969, 2992, 4146.
Tobe, T. 5423, 5428.
Toca, L. 10220.
Tocanne, J.F. 11240.
Tocci, A.A. 3298.
Tochikubo, K. 5932, 6487.
Tochikura, T. 3995, 4056, 5655.
Toda, K. 9515.
Toda, M. 2773, 9966.
Todd, J.K. 7036, 10112.
Todd, P.A. 11044.
Todd, W.J. 8767.
Todorova, P.G. 8625.
Toellner, U. 3466.
Toenjum, S. 6274.
Toeplitz, B.K. 2975.
Toerien, D.F. 80, 1300, 7469.
Toeroek, I. 253.
Toews, G.B. 6109.
Tofte, R.W. 3145, 3442, 4510, 10113, 10116, 11864.
Togashi, K. 2016.
Tohgo, T. 2320.
Tohyama, K. 7227
Toivanen, A. 7911.
Toivanen, P. 458, 11458, 12956.
Tojo, M. 1752.
Tokarenko, L.G. 7981.
Toki, H. 8977.
Tokimatsu, H. 3900.
Tokita, F. 6471.
Tokiwa, H. 1322.
Tokiwa, M. 11829.
Tokoro, K. 5655.
Tokuchi, M. 9452.
Tokuda, H. 5618, 6504, 10952.
Tokuda, M. 6099.
Tokunaga, T. 8983.
Tokura, K. 3033.
Tokushige, M. 4027, 4939, 6639.
Toledo, M.R.F. 11336.
Tolleshaug, H. 8896.
Tollin, G. 12473.
Tolone, G. 12670.
Tom, R.A. 5745.
Toma, E. 4386.
Toma, S. 6987.
Toman, K. 1941.
Tomas, M.I. 1012.
Tomashefski, J.F.,Jr. 350.
Tomasi, M. 4230, 6857, 12982.
Tomasovicova, D. 1208.
Tomasz, A. 172, 388, 1461, 3025, 3186, 6501, 6828, 7824, 8739, 12304.
Tomfohrde, K.M. 1348.
Tomi, H. 4827.
Tominaga, N. 3834.
Tomita, F. 7729, 9915, 11339, 11344.
Tomita, K. 3958, 3960, 9768.
Tomita, M. 7935, 9756.
Tomiyasu, I. 12432.
Tomizawa, J. 12857.
Tomizuka, N. 6641.
Tomkin, G. 5288.
Tomlins, R.I. 12720.
Tommassen, J. 2737, 7650, 7658, 12806.
Tomori, N. 2020, 3541.
Tomov, A. 10931.
Tompkins, D.S. 3429, 11756, 11836.
Tompkins, L.S. 3754, 10902.
Tompkins, P. 11962.
Tong, J.-Y. 11483.
Tonghua, L. 836.
Tongnian, S. 2291.
Toni, M. 7688, 8793.
Tonjum, S. 3500.
Tonn, W.H.,III 1158.
Tonomura, K. 3939, 3996, 4138, 6641.
Tonooka, Y. 1429, 6563.
Tonzetich, J. 4085.
Toothman, P. 4610.
Topchieva, I.N. 12563.
Topic, B. 1872.
Topitsoglou, V. 705.
Toporovsky, L.M. 9193.
Topouzian, N. 1395, 9650.
Topp, J.H. 1958.
Topunov, A.F. 13488.
Toraya, T. 4055.
Torchia, T.E. 7549.
Tordi, M.G. 11023.
Torgal, J. 13243.
Tori, K. 2989, 3033, 7716, 7717.
Torii, M. 6114.
Torii, T. 7775.
Torikata, A. 4153, 4160.
Toril, M. 5196.
Torino, A. 1001.
Toritsin, A.A. 3438, 13289.
Toriyama, S. 12432.
Tornquist, A. 1015.
Torosantucci, A. 8790.
Torras, A. 13304.
Torre, D. 5163, 11831.
Torrence, P.F. 4938.
Torres B., J. 8944.
Torres, A. 9234.
Torres, B. 9373.
Torres, C.A. 7083.
Torres, F.G. 10765.
Torres, M. 7146.
Torres, M.F. 11734.
Torres, N. 821.
Torretti, D. 956.
Torrey, J.G. 2445, 4630, 12319.
Torrisi, A. 316.
Torti, S. 251.
Tortolin, J.-C. 13018.
Toscano, W.A. 3885.
Tosch, W. 6798.
Tosti, A. 7049.
Toth, A. 872, 8214.
Toth, D. 1208, 9628.
Toth, D.M. 1064.
Toth, E.A. 6166.
Toth, L.G. 7341.
Toto, P.D. 5244.
Totoki, S. 6685.
Totsuka, K. 7270.
Totten, P. 11802.
Totten, P.A. 917, 2511, 254 3049, 7701.
Touati-Schwartz, D. 12749.
Touaty, E. 10348.
Toublanc, J.E. 4409.
Tougaard, L. 8973.
Toujas, L. 5227.
Touraine, J.L. 8997.
Touraine, R. 912, 2286, 117
Toure, O. 10779.
Tournaire, M. 3105.
Tourneur, J. 6731, 11299.
Tournier, G. 7990.
Toussain, P. 3551.
Toussaint, A. 1649, 5885, 87 12865.
Touw, J.J.A. 13099.
Tovagliari, D. 7688.
Tove, S.B. 12738.
Towbin, R.B. 1984.
Towers, G.H.N. 7854.
Towner, K.J. 5852, 6754, 78
Towner, P. 3873.
Townsend, R. 1859, 12089.
Townsend, T.R. 972, 9203, 1
Toyama, H. 7702.
Toyama, K. 5305.
Toyama, S. 1494.
Toyoda, A. 10397.
Toyoda, K. 762.
Toyonaga, Y. 895, 1720, 1721,
Toyos, J. 8907, 13002.
Tozuka, Z. 11399.
Tozzo, C. 5247.
Traber, D.L. 3136.
Trabulsi, I.Y. 9412.
Trabulsi, L.R. 11336.
Trachtenberg, L.S. 2188, 1052 13407.
Trachtulec, J. 9521.
Tracy, J.W. 6112.
Trahan, L. 5779.
Trainin, Z. 9063.
Trakhanov, S.D. 8519.
Traldi, C. 8224.
Tram, T. 10213.
Trampisch, H.J. 7389.
Tranter, H.S. 9619.
Tranum-Jensen, J. 5172.
Traore, A.S. 6539.
Traub. C. 2362.
Traub, W.H. 8995, 10194, 1122 11552. 11592, 12905, 12933.
Traut, R.R. 8507.
Trautmann, M. 11648.
Trautner, K. 4072, 11227.
Trautner, T.A. 4886.
Travade, P. 13273.
Travelin, W. 4793.
Travers, A.A. 9680.
Travers, R. S. 4113.
Travers, R.S. 10980.
Travis, J. 7543, 11106.
Travkina, V.S. 12633.
Trawick, J.D. 11305.
Traxler, P. 2980, 2981, 6772, 7728, 11352.
Traxler, R.W. 8414, 8860.
Trchunian, A.A. 6502.
Treanor, J. 10444.
Treasure, P. 223.
Trebbin, W.M. 860.
Treharne, J.D. 8915.
Treister, G. 13284.
Trejo Y Perez, J. 6829.
Trejo, W.H. 291, 2967, 2975, 7727, 7738, 11345.
Tremblay, C. 3456.
Tremolieres, F. 6135.
Trenkwalder, B. 13241.
Trent, J.A. 337.
Trentham, J.N. 13524.
Trepsiene, O. 9329.
Treshchanina, N.A. 12661, 1266
Treuhaft, M.W. 5213, 6039.
Treves, R. 3536.
Trevors, J.T. 4620, 6418, 8436, 10870.
Trias, A. 2197.
Tribble, J.L. 5219.
Tribe, D.E. 9706.
Trichopoulos, D. 909, 4666, 5555, 7361, 9502.
Trick, I. 10992.
Trier, P. 5445.
Trier, P.A. 2283.
Trifonov, D. 2417.
Triki, F. 2199.
Triller, M. 9079.
Trim, C.M. 1824
Triman, K.L. 4997.
Trinchant, J.C. 3694

athi, H.P 7321
athi, K 11466
athy, D N 24
ler, P 1619
tram-Nagle, S 4785
ca, Y.M 2022
, K.A. 10033
ller, C R 3455
fimov, B A 424
fymow, J A 4747
gele, M R 8913
itsky, N A 242
lldemer, G. 3705, 3706.
llfors, B 4391, 10514.
llope, D R 3584
llope, L A 12681
ocale, F 9137
pina, V I 12373
sper, T L 8475
st, A 6309
toux, J 766
tsenko, Y.A. 11217, 11218
tsenko, Yu.A 10953, 12463
ought, T E.T. 8126.
oupe, N 2983
ousselier, M 13499
ousset, M 5395
owitzsch, W 2840
own, P W 3567
oy, F A 6643
oyer, L S 9434
uant, A L 19
uant, J.P 12192
ucksis, M 6706
udel, R 2494
udgill, P.W 1382.
ue, L. 5234.
ueba, F.J. 12295, 12316.
ueper, H G 12716
uffot, C 11584
uffot, Ch 6183
uin, G.J 717
uitt, C L 12624.
rujillo, H 747, 3443
runet, P. 1976.
ruong, G.K. 10376
ruper, H.G. 8316.
ruscott, R.B. 5046, 6126, 6364
rusov, V.V. 3421.
rust, T.J. 1690, 1852, 1853
rusty, J. 4480.
ruszczynski, M. 3056, 3057, 3115
rutko, S.M 12492
rzilova, B 1186.
sai, C.-C. 5171.
sai, C.C. 3216, 7940
sai, J.H. 5560, 9398
sai, L. 8574.
sai, V.Y. 7530.
sait, S.C. 7641.
sanev, N 10931
Tsang, A.Y. 1785.
Tsang, D.C Y. 5670.
Tsang, J.C. 5693, 9852.
Tsang, R.S.W. 1854, 1855.
Tsao, G.T. 1392, 8420.
Tsao, J. 1686.
Tschaepe, H. 12864
Tscuchiya, T. 7814.
Tse-Eng, D. 9653
Tse, C.K. 10084, 11501.
Tsekos, I 10758
Tsezos, M 7402
Tshibwabwa-Ntumba, E. 2018.
Tsien, H. 1372.
Tsinzerling, A.V. 6297.
Tso, W.-W. 72.
Tsoi, A.T.A. 7856
Tsorvas, A. 9952.
Tsou, P.-C. 13012.
Tsuboi, A. 12567.
Tsubokura, M. 8713.
Tsuchida, F. 7935.
Tsuchido, T. 5989, 12328.
Tsuchiya, F. 46, 7633, 7634.
Tsuchiya, H. 3084
Tsuchiya, K. 336, 3018, 3027, 4177, 5669, 6404, 13448.
Tsuchiya, M. 2796, 7635, 12908, 12918
Tsuchiya, T. 3963, 6814, 7773, 7775, 11393.
Tsuchiya, Y. 12.
Tsuda, M. 254, 13414.
Tsugita, A. 5002.
Tsui, F.P. 4261.
Tsui, L.-C. 8676.
Tsui, W.-C. 11049
Tsui, W.C. 6657
Tsuji, A. 5951, 7761, 8452.
Tsuji, K. 2676, 5691.
Tsuji, M. 8930.
Tsuji, N. 5040, 7735, 7750, 7751, 11370.
Tsuji, S. 2719.
Tsuji, T. 3127, 7574, 12972
Tsujimoto, M. 4950
Tsukadaira, T. 4678
Tsukagoshi, N 1370, 12547, 12567
Tsukamoto, K. 3017, 8246
Tsukamura, M. 1308, 1786, 5587, 5588, 5591, 5595, 5935, 5967, 6163, 8318, 12236, 13144.
Tsukano, H 4974
Tsukida, K. 8470.
Tsukihara, T. 3944
Tsumori, H. 9592
Tsumura, N. 51, 2789, 3994
Tsunekawa, H. 1604, 12804
Tsuno, M. 8284, 8455, 9543
Tsunoda, N. 7250.
Tsuru, D. 3955, 4024, 8579, 8581.
Tsuru, S. 1882, 5180, 5181.
Tsuruhara, T. 7373, 7440
Tsuruoka, T. 2973, 5038
Tsuruta, M. 8642
Tsushima, T. 329
Tsuto, H 329
Tsutsui, H. 1682
Tsutsui, Y. 4046
Tsutsumi, M 3081.
Tsuyuguchi, I. 10189
Tsuzaki, N. 12248
Tsuzuki, H. 3129.
Tsvetkova, E 10931
Tsvid, E.E. 12300.
Tsyganenko, A.Ya. 10668
Tsygankov, A.A. 11212.
Tsyrenov, V.Z. 12562
Tu, C.M. 1187, 1209, 8162, 8177.
Tu, C P D 7707
Tu, H. 13288
Tu, J. 7398.
Tu, J.C 5515
Tu, T.D 646, 10254
Tuach, S. 9148
Tuan, G. 2965
Tuazon, C. 3464
Tuazon, C.U 1880, 5968
Tubbs, H. 656.
Tubiana, J.M 2043
Tucat, G. 11974
Tucci, V 4482
Tucker, C.L. 13504
Tucker, J.F 5117.
Tucker, R.E. 12039
Tudor, J.J. 1360
Tudzynski, P 12834
Tufano, M.A. 2745.
Tuffnell, J.M 2726, 2727.
Tuffrey, M. 2054.
Tufvesson, B 2028
Tulchinskaya, V.P. 13511
Tullo, A B. 7088.
Tully, J.G. 2702, 6384, 9518, 10119, 10399
Tully, J.L. 11875.
Tumang, F.T 8020.
Tumanova, L.G. 2707
Tung, K.S.K 544.
Tuomanen, E.I. 10424
Tuovila, R. 7274
Tuovinen, O.H. 285, 4689, 5678
Tuovinenen, O 10811
Tupasi, T.E. 7083, 11706.
Turani, H. 13148
Turanova, E.N. 2145
Turchetti, T. 8159
Turck, M. 3268, 10403, 13202.
Turcotte, C. 3598
Turcu, T 5905
Turfrey, B.A. 1059
Turgeon, B.G. 10770.
Turgeon, E. 1928.
Turi, M.E. 7841
Turinova, J. 409
Turk, J.L. 548, 4305
Turkel, S.B 13091
Turkovskaya, O. V. 11000
Turley, L. 1608, 2853
Turnball, D. 3287
Turnbough, C.L. 1510
Turnbull, P.C.B. 1802
Turner-Warwick, M. 560, 797
Turner-Warwick, R.T 7055
Turner, A.C. 6252
Turner, B.I. 868
Turner, D.H. 5702.
Turner, G.L. 4630, 11351
Turner, J.A. 13005
Turner, J.G. 3138.
Turner, J.W. 1154.
Turner, K.W. 216.
Turner, M.A. 2691, 2694.
Turner, R.B. 7023.
Turner, S. 6596.
Turner, S.M. 3202.
Turnowsky, F. 12934.
Turton, C.W.G. 5308.
Turton, L.J. 7357.
Turunen, H 7910.
Turunen, U. 10233
Turvey, A. 8648
Tuschewitzki, G.-J. 10999, 12168, 12180
Tute, M S 440.
Tutlane, V.A. 337.
Tuttle, J.V. 7570.
Tuttle, R. 487
Tuutti, H 13102.
Tuveson, R.W. 1606, 5631.
Tuxford, A.F. 12219.
Tvrda, B. 507, 11643.
Twedt, R M. 465, 5160, 7883.
Tweten, R.K. 5997.
Twetman, S. 729
Twilfer, H. 3953
Tyagi, B.R. 6398.
Tyler, H. 3436
Tyler, H.,Jr. 5349.
Tyler, J M. 6670.
Tyler, M. 5653.
Tyler, P.A. 8229.
Tylewska, S. 5051
Tyndall, R.L. 13460.
Tynecka, Z. 3106, 3113.
Tyrell, D.J. 5729.
Tyrrell, R.M. 2703.
Tyrygina, G.I. 13489.
Tzamaloukas, A.H. 11737.
Tzannetis, S. 9071.
Tzipori, S. 1066.

Uamamoto, F. 9796.
Uauy, R. 10304
Ubom, G.A. 5777.
Ubriani, R. 7216.
Uchida, A. 7412, 7444, 7464, 7499, 7500.
Uchida, H. 11280
Uchida, I. 6137, 10259.
Uchida, K. 9360
Uchida, M. 5039
Uchida, T. 3130, 5754.
Uchino, F. 4743.
Uchino, H. 4803, 5218.
Uchiyama, N. 6091.
Uchiyama, T. 6684.
Udaka, S. 1370, 12547, 12567
Uddenfeldt, M. 4389.
Udelnova, T.M. 12594.
Udey, L.R. 10933.
Udod, V.M. 12378.
Uebayasi, M. 6641.
Ueda, H. 12863, 13025
Ueda, K. 329, 10149.
Ueda, M. 1624
Ueda, S. 123, 2829, 3891, 3896, 4791, 6594, 8448, 8677.
Ueda, Y. 4175, 4299
Uehara, C. 2011.
Uehara, S. 5379
Ueki, Y. 5627
Uemura, H. 12545.
Uemura, Y 6071
Ueng, P.P. 1392.
Ueno, H. 4275, 9318, 11192.
Ueno, K 1805, 3023
Uerling, I. 1650.
Ugazio, A.G. 2322.
Ugidos, M 7070
Uhlin, B.E. 1612
Uhlman, D.L. 8375.
Uhrig, H.T 5425
Uilenberg, G. 1851
Ujang, K 9280.
Ukyo, M. 760.
Ulevitch, R.J 4272.
Ulitzur, S 1416, 3742, 7486
Ullah, A.H.J. 11176.
Ullmann, A. 2709
Ullmann, U. 12605.
Ullrich, A. 2850
Ullrich, B. 10179.
Ullrich, N.A. 9352.
Ulm, K. 4337
Ulmer, W.T. 9090.
Ulrich, B. 10756
Ulrich, J.A 5962, 6948, 7365.
Ulrychova, M. 2414.
Ulstrup, J.C. 7906.
Umakhanov, K.U. 2196.
Umarov, M.M. 12726
Umbarger, H.E. 5850.
Umbreit, T.H. 8480
Umeda, A. 5606, 8631
Umeda, M. 11174.
Umehara, K. 7637
Umemoto, T. 5626.
Umemoto, Y. 5787.
Umemura, A. 3023, 4174.
Umezawa, H. 299, 2796, 2957, 2963, 2969, 2977, 2992, 3040, 3054, 3068, 4028, 4146, 4940, 7595, 7635, 7757, 7802, 7814,
Umezawa, H. (continued) 11393, 11420, 12908, 12918.
Umezawa, S. 6814, 7773, 7775, 7814, 11393.
Umlauft, K.-D. 6373.
Umorin, P P. 3770.
Umstead, C.L. 10322
Unden, G. 4031, 4920
Underkofler, L.A. 9498.
Underman, A. 3437
Underwood, H.M. 5590.
Underwood, J.L. 1086.
Undisz, K. 5021.
Une, T. 844, 864, 8961, 11455.
Unemoto, T. 2801, 5618, 6504, 10952.
Unger, B. 5817, 7659, 12778
Unger, F.M. 338.
Unger, P. 5797.
Ungthavorn, P. 660.
Ungureanu, C. 3780, 4210, 4344, 4555, 4585
Unsworth, B.A. 9402.
Untermann, F. 13367.
Unuma, T. 12635.
Uozumi, K. 2306.
Uozumi, T. 4095
Upadhye, A.S. 10219
Uppal, P.K. 4340.
Upper, C.D. 12121, 13530
Upsdell, M.P 5527.
Upton, C. 2765.
Urakami, H. 7373, 7440.
Urakawa, C. 3084.
Uratani, Y. 7709, 8786.
Urayama, K. 4519.
Urbach, Y. 6225.
Urban, C. 12999
Urban, J.E. 3856, 8213.
Urban, T. 5100, 13020
Urbanik, T 2827
Urbanke, C. 11087.
Urbano, M.R. 2630.
Urbina, S.B. 3533.
Uren, J.R. 7546.
Urena, J.L. 6966.
Urena, J.R. 6966.
Urena, M.P 12324.
Urena, T.P 1644.
Urnes, A. 3403
Urquhart, A.E. 3350.
Ursell, P.C. 10468
Ursi, J P 932
Ursing, J. 26, 27, 28, 29, 1015, 1288, 1315, 3310
Urvolgyi, J. 1109, 6055.
Usaite, I.A. 4764
Usami, H. 4729.
Usami, S. 7474.
Usero, J.L. 11153.
Usher, B.W. 2198
Usher, D.C 4116.
Ushijima, T. 5557.
Ushioda, H. 8455.
Uspenskaya, N.Ya. 4790.
Ustav, M. 5711, 11070, 12525.
Usui, T. 419, 4803
Usui, Y. 2740, 11488.
Utili, R. 1823.
Utsui, Y 5920.
Utsumi, R. 83.
Utter, M.F 4042
Uusi-Rauva, A. 443.
Uwaydah, M. 1699.
Uzan, M. 9848
Uzoukwu, M. 9337

Vaara, M. 399, 2624.
Vaccino, P. 3514, 6990.
Vacherot, B 9129, 12013.
Vachette, P. 5719
Vachon, F. 2182, 2205.
Vachon, N.S. 13418.
Vadas, M.A. 3237.
Vadasz, J.A. 2750.
Vadeboncoeur, C. 5779
Vadehra, D.V 2064, 8867, 9984
Vadnjal, A. 3393.
Vaeisaenen, V. 8827
Vaenngard, T. 4866.
Vagina, I.M. 7714.
Vai, F. 13137.
Vaillancourt, D.H. 6020
Vaillant, V.S-B. 5111.
Vainisi, S.J. 8104.
Vainstein, M.B. 12270, 12427
Vaishnav, S.K. 2006
Vaisman, I.S. 2601.
Vaisman, I.Sh. 12309
Vajda, B.P. 6734.
Vakhania, N.A. 1170.
Vaks, B. 2660
Vakulenko, S.B. 9880.
Valade, S. 13138
Valderhaug, J. 11682.
Valdes-Dapena, M. 1944.
Valdes, M. 2482.
Valdes, M V. 2056, 11434.
Valdivia, M.T. 13208
Valdivieso-Garcia, A. 10123.
Valdivieso, M. 9067.
Valembois, P. 6066
Valente, U. 10595
Valenti, P. 8830.
Valenti, W.M 9227.
Valentijn, R.M 2324, 10227.
Valentin-Hansen, P. 5845, 11037, 12517
Valentine, J.P 9151.
Valentine, R.C. 9889
Valentini, G. 2919.
Valenzuela, D. 1454
Valenzuela, M.S 1663
Valenzuela, P. 2915.
Valette, M. 2043
Valeyre, D. 2005.
Valfre, C. 3476
Valicenti, J.F.,Jr. 7054.
Valisena, S. 9810.
Valkonen, K. 3313.
Valla, S. 12789.
Vallage, J.M. 4402.
Valle-Tascon, S.D. 4773.
Vallejos A, T. 13192.
Vallejos, F. 4554.
Valles, P. 982.
Vallespinos, F. 4652.
Vallet, C. 11857
Valli, V.E.O. 10216
Valois, F.W. 9431.
Valsa, J.O. 6568.
Valstar, J. 2502
Valtonen, V.V. 2201, 10233
Van 'T Klooster, A.Th. 5645.
Van Alfen, N.K. 7877
Van Arkel, M.A. 1240.
Van Beelen, P. 5037, 12807.
Van Beeumen, J. 4915
Van Bosterhaut, B. 9103.
Van Bouchaute, M. 6758.
Van Boven, C.P. 3781.
Van Boxtel, R. 3651
Van Bree, M.P. 4796.
Van Brenk, D. 11557.
Van Brussel, A.A.N. 9908.
Van Brussel, A.N. 6510.
Van Charldorp, R. 3895.
Van Charldorp, R.V. 7522.
Van Cleemput, M. 1460, 12503.
Van Dam, K. 5694.
Van Damme, D.M. 13393.
Van Damme, J.P.J. 2319.
Van de Geer, D. 7259.
Van de Merwe, J.P. 8916, 9007, 9132, 10223, 11618
Van De Putte, P. 1599
Van De Rijn, I., Jr. 1881.
Van Delft, R.W 10246.
Van Dellen, J.R. 6242.
Van Den Barselaar, M.T. 11621.
Van Den Barselaar, T. 562, 11591.
Van Den Berg, E. 2858.
Van den Berg, J. 1093
Van den Berg, L. 2634, 5654.
Van Den Bosch, J.F. 470, 7699, 11557
Van den Broek, P.J. 7095, 11580.
Van den Elzen, P.J.M. 5876.
Van Den Ende, J. 4486
Van Den Heever, L.W. 3624.
Van den Heuvel, N. 11028
Van Den Mooter, M. 3847, 8145, 8146.
Van Depitte, J. 1251.
Van der Donk, H. 5235.
Van der Drift, C. 12794.
Van der Goot, H. 1774.
Van Der Gulden, W.J.I. 1048.
Van der Hoeven, J.S. 4593, 11012.
Van der Kleijn, E. 5330.
Van der Kooij, D. 12392.
Van der Kuyp, F. 591, 804.
Van Der Ley, P. 2737.
Van der Linde, F. 3072.
Van Der Linden-Schrever, B. 606.
Van Der Linden, M.P 1733, 5083, 11810, 12892
Van Der Meer, C. 3235, 4343.
Van der Meer, J.W.M. 7095
Van Der Meeren, H.L.M. 5270.
Van der Meide, P.H. 3897, 8705.
Van der Ouderaa, F. 12964.
Van der Voet, G.B. 5062.
Van der Waaij, D. 7223, 10285, 10640, 11775, 13361.
Van Der Wal, H.N. 1415.
Van der Westhuizen, L.M. 1253.
Van Die, I.M. 12831.
Van Dijck, P.W.M. 5694
Van Dijk, H. 537.
Van Dijk, J.E. 1079.

Van Dijk, W.C. 3203.
Van Dijken, J.P. 2794, 8647.
Van Doorn, J. 10936.
Van Doorne, H. 7856.
Van Dorsten, J.P. 2059
Van Duin, C.T.M. 11492.
Van Dyck, E. 932, 2542.
Van Eck, J.H.H. 4574
Van Eden, C.G. 12316.
Van Elsas, J.D. 9547.
Van Embden, J.D.A. 12847.
Van Epps, D.E. 8956.
Van Erne-Van Der Tol, M.E. 3203.
Van Erne, E.H.W. 2377.
Van Es, F.B. 1240, 1247.
Van Es, L.A. 2324, 10227.
Van Etten, J.L. 2900
Van Eyk, J. 5640.
Van Frank, R.M. 4983.
Van Furth, R. 562, 606, 2144, 11580, 11591, 11621, 11992.
Van Gelder, B.F. 3875.
Van Gemerden, H. 11027.
Van Gent, A. 2144.
Van Gestel, M.H. 5121.
Van Geuns, H.A. 7197.
Van Gijsegem, F. 5885, 12865.
Van Ginkel, K.G. 8647.
Van Gool, A.P. 1633.
Van Grondelle, R. 1415.
Van Gylswyk, N.O. 1349, 5680
Van Hale, H.M. 13091.
Van Heerden, J. 4583.
Van Heerden, J.A. 9311.
Van Heerikhuizen, H. 12959.
Van Heijenoort, J. 8516, 12342, 12704.
Van Hemert, P.A. 11028.
Van Heyningen, S. 1810, 11481.
Van Hoffen, K.K. 1079.
Van Horn, D.L. 2229
Van Horn, K.G. 8406
Van Houte, J. 1952, 13096
Van Houten, M. 4339
Van Kammen, A. 7664, 11334.
Van Kessel, C. 1212.
Van Kleeck, M. 9176.
Van Klingeren, B. 4173, 5911, 12847.
Van Knippenberg, P.H. 3895, 7522.
Van Kruiningen, H.J. 3580.
Van Laethem, Y. 6280, 8074.
Van Landuyt, H.W. 7355, 11408.
Van Leishout, L.M.C.C. 5266
Van Loghem, E. 10185.
Van Meerdervoort, H F.P. 4486.
Van Miert, A.S.J.P.A.M. 1102, 11492.
Van Montagu, M. 2921, 5870, 5880, 12827, 12829.
Van Muylem, K. 4195.
Van Noyen, R. 1251.
Van Oost, B.A. 8987.
Van Ormondt, H. 2858.
Van Oud Alblas, A.B. 606.
Van Praag, E. 13085.
Van Praet, M. 129.
Van Qua, D. 5546.
Van Raalte, J.A. 6214.
Van Randen, J. 12519.
Van Rengsburg, H.J. 9430.
Van Rensburg, H. J. 2463.
Van Rensburg, H.J. 9436.
Van Rensburg, L. 1.
Van Rotterdam, J. 4971.
Van Schagen, C.G. 3874.
Van Schothorst, M. 2377.
Van Scoy, R.E. 818.
Van Silfhout, A. 1313.
Van Sluis, C.A. 1599.
Van Staden, D.A. 783.
Van Staden, J. 3671.
Van Steenbergen, T.J.M. 8490, 10928, 13099.
Van Swaay, A.C.P.M. 9456
Van Tiel-Menkveld, G.J. 6494, 8368.
Van Treeck, U. 9885, 9886.
Van Veen, R.J.M. 5037, 9906, 12807.
Van Veen, W.L. 7471.
Van Verseveld, H.W. 6552, 12474.
Van Vliet-Smits, M. 2794.
Van Vliet, A.J 2708.
Van Vuuren, H.J.J. 80, 1300, 10970.
Van Wart, H.E. 7562.
Van Wart, H.F. 11156.
Van Wijngaarden, L.J. 4173.
Van Winkelhoff, A.J. 1851.
Van Wyk, P.W.J. 3728.
Van Zeben, W. 9269
Van Zeeland, A.A. 11282.
Van Zijderveld-van Bemmel, A. 10659.
Van Zijderveld, F.G. 10659
Van Zwet, T.L. 11621.
Van Zyl, L. 2284.
Van Zyl, L.E. 2125.
Van Zyl, M.L. 783.
Van't Riet, J. 2586, 12727, 12959.
Vance, C.P. 6426, 8191, 9471, 9482.
Vance, D.W.,Jr. 2588.
Vance, I. 2498.
Vance, P.H. 2283.
Vancura, V. 5541, 8173, 8190, 8212, 9399, 9474.
Vandegraaff, R. 3590.
Vandekerckhove, J. 4914.
Vandekerkove, M. 6776, 13237.
Vandepitte, J. 4442, 7207, 8070, 8744.
Vander Linden, M.P. 396.
Vander Straeten, D. 7311.
Vander, A.J. 2361.
Vanderkooi, J.M. 4911.
Vanderlinden, M.P. 5442.
Vanderwel, D. 12701.
VanderZwagg, R. 2261.
Vandesteen, G.E. 3291.
Vandre, D.D. 11342, 12912.
Vandrunen, M. 5309.
Vandvik, B. 6084.
Vanek, E. 3466, 6156.
Vanek, Z. 7421, 7492, 7493, 7619, 8653, 8749, 8750.
Vangedal, S. 5979.
Vangnai, S. 1198.
Vanheuverzwyn, R. 11496.
Vanhoff, R. 8802.
Vanhoof, R. 389, 5073, 5130, 6280, 7155, 8074.
Vanhooydonk, J.E. 7050.
Vanilov, V.S. 12493.
VanKessel, K.P.M. 537.
Vanlaethem, Y. 5441.
Vanneuville, G. 13273.
Vannier, F. 5721.
Vanrenterghem, Y. 7207.
Vantrappen, G. 5264, 11782.
Vapnek, D. 4972.
Vaquero, J. 880.
Varaldo, P.E. 395, 8787, 9810.
Varbanets, L.D. 11099
Varegina, I.Z. 7821.
Varel, V.H. 8081.
Varenne, A. 297.
Varet, B. 7220.
Varfolomeev, S.D. 12573.
Varga, J. 4707.
Vargas D, F. 13192
Vargas, A.T. 13481.
Vargas, J.M. 9392.
Vargas, J.M.,Jr. 13443.
Vargas, R.G. 6966.
Varghese, A. 4864.
Varghese, M.N. 5352.
Vargues, R. 390.
Varilla, A.V. 11890.
Varju, L. 509, 5464.
Varma, A.K. 4618, 6442, 10763.
Varma, K.K. 13163.
Varma, S. 1028, 1039.
Varon, M. 1157, 1760.
Varotti, C. 7049.
Varotto, F. 6780, 7133, 10345.
Vartanian, Yu.P. 7875.
Vartazaryan, N.D. 779.
Vartdal, F. 6084.
Vartiainen, E. 10395.
Vasantha, N. 6632.
Vasey, F.B. 1010.
Vasil, M. 2383, 4342.
Vasil, M.L. 1626, 5234, 8557, 9843, 12640.
Vasilevskaya, I.A. 12966.
Vasiliev, M.M. 4654.
Vasiliev, T.V. 9193.
Vasiliev, V.D. 165.
Vasilyev, B.G. 10958.
Vasilyeva, G.K. 12393.
Vaskivnyuk, V.T. 12597, 12639.
Vasquez, B. 3969.
Vasquez, C. 1688, 2915, 5700.
Vasquez, D. 10941.
Vass-Marengo, J. 12612.
Vasseghi, H. 5017.
Vassilenko, S. 4828.
Vassiliadis, P. 4666, 5555, 7361, 9502.
Vassilopoulos, P.P. 4405.
Vasstrand, E.N. 1567.
Vathesatogkit, P. 2292.
Vatter, A.E. 3169
Vaudaux, P. 6782.
Vaughan, M. 6863.
Vaughan, R.W. 7731.
Vaughn, L.K. 2384.
Vaughn, W.K. 639, 641.
Vaz, W.L.C. 4917.
Vaze, S. 7816.
Vaziri, N.D. 5327.
Vazquez-Escobosa, C. 10214.
Vazquez-Ramos, J.M. 12808, 12955.
Vazquez, D. 6804, 9991, 11126.
Vazquez, J. 3404.
Vazquez, L.A. 11851.
Veale, D.R. 1856, 5986, 13005.
Veale, W.L. 2384.
Veazey, J.M.,Jr. 2244.
Vecherova, V.V. 12331, 12452.
Vedemina, E.A. 9930.
Vedenina, I.Ya. 11252.
Vedmina, E.A. 7821.
Vedres, I. 10819.
Veeder, M.H. 3405.
Veek-Horsley, K.M. 7489.
Veenhuis, M. 4918.
Veeramani, H. 3852.
Veeresh, G K. 7349.
Veerman, T. 12461.
Vega, F.G.,Jr. 7905.
Vega, J. 9234.
Veh, R.W. 1527.
Veilleux, B.G. 3561.
Veira, D.M. 12029.
Vejbora, O. 6030.
Vejlsgaard, R. 867, 876.
Vela, M.C.M. 6966.
Vela, P. 13208.
Velasco Dominguez, E. 9253.
Velcheva, P. 6644.
Veldkamp, H. 6503.
Veldkamp, W.J. 9448.
Velikanov, N.L. 12299.
Vella, P.P. 640.
Vellend, H. 13351.
Vellom, D. 9731.
Veltkamp, E. 5876.
Ven Den Bosch, J.F. 3151.
Venables, W.A. 2879.
Vendrig, J.C. 9413.
Venegas, A. 1688, 5700.
Venema, G. 1437, 7669, 12519.
Venezia, R.A. 1011.
Venezio, F.R. 3390, 6319.
Vengelista, A. 5233.
Venkataramaiah, N.R. 6214.
Venkataraman, R. 1990.
Venkataswami, V. 12043.
Venkatayan, S. 3562.
Venkatesan, K. 6145.
Venkateswaran, K. 6385.
Venkitasubramanian, T.A. 2592, 7608.
Vennegoor, C. 5245.
Venner, A.M. 691.
Venning, B.M. 6754.
Veno, K. 4174.
Ventullo, R.M. 9491, 12403.
Ventura, H.O. 5370.
Venugopalan, A.T. 12260.
Venyaminov, S.Yu. 4815, 11113, 12550.
Vera Cruz, C.M. 12092.
Vera, H.D. 10863.
Verachtert, H. 3792.
Veras, J.R. 12223.
Verbist, J.F. 1772.
Verbist, L. 358, 5074, 7785, 7791.
Verbrugh, H.A. 574, 1331, 3199, 3203, 4269, 6088, 6089, 7105, 8987.
Vercler, M.J. 5928.
Verderevskaja, T. 2417.
Verdonck, L. 3847.
Verdonck, M. 8848.
Verduijn, P.G. 11861.
Vereijken, J.M. 7545.
Vereijken, M.J.G.M. 4655.
Vereshchagin, I.A. 10362.
Vergeret, J. 9120.
Vergeront, J.M. 10100, 10105, 10113, 10125, 10129, 10243, 11490, 12927.
Verghese, A. 11642.
Verghese, G. 11642.
Vergmann, B. 12010.
Vergnes, R. 859.
Verhaegen, J. 358, 5074, 7207.
Verhas, M. 11790.
Verheijden, J.H.M. 11492.
Verhoef, J. 1331, 3199, 3203, 4269, 6089, 7105, 8987.
Verhoeff, J. 7259.
Verhoeven, J.J. 7522.
Verkleij, A.J. 6509.
Verloes, R. 1913.
Verma, D.N. 2332.
Verma, J. 4766.
Verma, J.C. 1324, 2352.
Verma, J.N. 1570, 4080, 9803
Verma, J.P. 9409, 10738.
Verma, M. 11432.
Verma, T.S. 5501.
Vermeersch, M. 3453.
Vermeulen, C.W. 11055.
Vermeulen, N.A.S.M. 519.
Vernazza, T.R. 4617.
Vernon, M.S. 767.
Vernon, R.P. 3509.
Veron, M. 2567, 3201, 12888.
Veronese, F. 9761.
Verovaya, A.V. 10419.
Verpoorte, J.A. 12874.
Verpoorte, R. 7856.
Verran, J. 4680.
Verrier Jones, E.R. 2091.
Verrier Jones, K. 2091.
Verrips, C.T. 8392, 8873, 11015, 11016.
Versavel, L. 3568.
Verschoor-Burggraaf, A. 10223, 11618.
Verschueren, H. 10947.
Vershigora, A.E. 12296.
Versmisse, E. 8920, 13047.
Versmold, H. 11881.
Vertiev, Y.V. 4012.
Verwiel, E.J. 3959.
Verzele, M. 11222.
Vescia, N. 4307, 5205.
Vescovo, M., 2936.
Veselova, S.I. 7714.
Vesely, D. 8190.
Vesikari, T. 1693, 6881.
Vespermann, J. 7229.
Vessey, M.P. 3375.
Vestal, J.R. 12712.
Vetter, N. 5300.
Vetterli, J.A. 8599.
Vettori, G. 7794.
Veysseyre, C. 5394, 7399.
Veyssier, P. 3479.
Viader, M.C. 2029
Viala, J.J. 4478.
Viallier, G. 6183.
Viallier, J. 6183.
Vianni, M.C.E. 12175.
Viano, I. 1404.
Viars, P. 4503.
Vicente, M.V. 330.
Vichido, I. 4973.
Vicini, M. 2031.
Vick, N.A. 2180.
Vickers, R. 9092.
Vickers, R.M. 6975, 10321.
Vickery, L.E. 4865.
Vickroy, J. 9868.
Victery, W. 2361.
Victorova, L.S. 177.
Vicuna, J.P. 12000
Vicuna, R. 1688, 2915, 5700.
Vidal, L. 3049.
Vidal, M.A. 11110.
Vidaver, A.K. 249, 2900, 8285, 9535.
Viddal, K.O. 666.
Videla, J.H. 5370.
Vidon, D.J.-M. 3110, 8252, 8728.
Vidor, G.I. 7115.
Viero, P. 3143.
Viers, V.S. 10265.
Viers, W.A. 11858.
Vierucci, A. 10631.
Vieth, W.R. 200.
Vietti, M. 6990.
Vigevani, A. 3035, 7805.
Vigil, E. 2215.
Vignais, P.M. 4897, 6626, 7573, 9669, 12623.
Vignaud, J. 11843.
Vignaud, J.M. 3276.
Vij, J.C. 13088.
Vijgenboom, E. 8705.
Vik, I.S.S. 7906
Viktorov, A.N. 2214, 2500.
Vilde, J.L. 6269, 9297, 10213, 11700, 11715.
Viljanen, M. 566.
Viljanen, M.K. 7911.
Villa, E. 944.
Villa, M.R. 5353.
Villa, T.G. 11169.
Villafranca, J.J. 4903.
Villalba, J.C.B. 3455.
Villalobos-Molina, R. 1910
Villalonga, F. 9140.
Villanueva, J.A. 10430.
Villanueva, J.R. 11169.
Villarejo, M. 1341.
Villarreal, L. 6556.
Villarreal, Y. 945.
Villarroya, H. 8696.
Villaverde, G. 12724.
Villegas Sanchez, G. 10353.
Villemot, J.P. 9304.
Villems, R. 5711, 11070, 11086, 12525.
Villet, R. 8409.
Vilppula, A.H. 914.
Vimala, J. 3412.
Vinayak, V.K. 7880.
Vinceneux, P. 3529.
Vincent-Ballereau, F. 11979.
Vincent, C. 11394.
Vincent, J. 990, 1927, 4069, 12717.
Vincent, J.L. 3441.
Vincent, J.M. 3702.
Vincent, M. 11703.
Vincente, J.B. 12015.
Vincken, W. 888.
Vincurova, M. 750.
Vindel, J. 4302.
Vining, L.C. 7446, 11130.
Vinogradov, E.V. 10162.
Vinogradova, K.A. 11372.
Vinogradova, L.G. 10011.
Vinogradova, T.L. 981.
Vinokurov, I.N. 9193.
Vinokurov, L.M. 11116.
Vinson, W.E. 12069.
Vinther, F.P. 3707, 3720.
Viola, G. 7179.
Violv, F. 8836.
Viozzi, F.J. 956, 9077.
Virca, G.D. 7543.
Virgilio, R. 3857.
Virginia, R.A. 12139.
Virji, M. 5198.
Vis, R.D. 1774.
Viscidi, R. 7008
Visentin, L.P. 1686.
Vishniavsky, N. 5861
Vishwanath, P. 4208.
Viskum, K. 11615.
Visotsky, E.S. 12494.
Visser, A.J.W.G. 4907.
Visser, J. 1524, 2990.
Vissian, L. 13237.
Visudhiphan, P. 10527.
Viswalingam, N. 3445.
Viswanathan, S. 3620.
Vita, C. 4892.
Vitali Lacreta, P.R. 9038.
Vitaux, J. 5395.
Vitavasiri, A. 11907.
Viteri, A.L. 3356.
Viteri, S.E. 13481.
Vithayasai, V. 6981.
Vitkovic, L. 8506, 9579.
Vives-Rego, J. 1739, 2812.
Vivian, A. 2854, 5878, 5882.
Vizdalova, M. 8487, 8720.
Vizioli, L.D. 12911.
Vladimirov, S.N. 11071.
Vlasis, S.E. 10448.
Vlassak, K. 7417.
Vlassoff, L.T. 5566.
Vlassov, V.V. 6593.
Voelker, L. 1996.
Voemel, W. 3039.
Vogel, J.J. 4082.
Vogel, P. 2964, 8892.
Vogel, R. 10320.
Vogels, A.L.M. 717.
Vogelweid, C.M. 6020.
Vogt, J. 894.
Vogt, R.L. 3370, 11763.
Voigt, A. 2294, 12056.
Voigt, J. 8080.
Voigt, R. 11722.
Voipio-Pulkki, L.M. 7941.
Vokoun, J. 8653.
Volanakis, J.E. 11576, 11606.
Volckaert, G. 8678.
Vold, B.S. 2714, 7508, 7509.
Volesky, B. 7402.
Volina, E.G. 9542.
Volkman, D.J. 11602.
Volkmer, M. 8969.
Volkova, O.V. 12818.
Vollet, J.J., III 807.
Vollmar, J.F. 2299.
Volnova, A.I. 12393, 12684.
Voloskova, M.M. 2735.
Volow, M.R. 7200.
Volozhantsev, N.V. 7704.
Volpato, C. 4310, 4346.
Volpe, J.J. 3413.
Volterra, L. 8219.
Volz, K.W. 5791.
Von Bernuth, G. 3327.
Von Blomberg, B.M.E. 4284.
Von Daehne, W. 5979.
Von Der Fehr, F.R. 10303.
Von der Helm, K. 9870.
Von Graevenitz, A. 778, 884, 6148, 9517, 10910.
Von Knorring, J. 2280.
Von Koenig, C.H.W. 6116.
Von Konow, L. 10499, 11893, 13
Von Loewenich, V. 11881.
Von Muralt, G. 1916.
Von Nicolai, H. 1532.
Von Rheinbaben, W. 3705, 3706
Von Sydow, C. 13124.
Von Tigerstrom, R.G. 1517.
Von Warteurg, A. 7739.
Von Wright, A. 9842.
Vonada, E.K. 9854.
Vondrejs, V. 8365.
Voordouw, G. 4039.

a, V.C. 11234
berg, E. 6661
dermark, J.S.,II. 3506
obyeva, L.I 12423, 12666, 12674
obyeva, T.I. 12326, 12725
obyov, E.I. 5960
obyova, L.I. 12524.
otilo, S.P. 12596
-Scheperkeuter, G.H. 8536
beck, K. 1336
sdingh, R.A. 10262
skresenskaya, G.A. 7085
ss, E U 2299
ssoghi, M 1756
sti, K L 645
trin, I I 3998, 12505
truba, J. 8748, 11195
vk, O.A. 561
zary, E. 12297
any, J. 9399, 9474
at, S. 5135, 8842
ay, B. 588.
ee, T.B. 2268, 5330
ies-Hospers, H.C. 10279
esacker, J.R. 7335.
ousos, C. 13107
tiak, O.J. 10019
uggink, H. 6482
dumkina, S.P. 6297
ellers, R. 7212.
illemin, N. 226
lgamott, J.C. 2392.
lkova-Achkova, Z.V 3673
uye, A. 7782, 12906
yas, D M 9983
yas, U K 7225
ygantas, A M 9909
ygantas, C M 8104
ysotskii, E.S. 12482, 12490
ysotsky, E.S. 11030, 12485, 12694
ysotsky, V.V. 2596
yunitskaya, V.A. 12644

Vaaij, D. 10279
Vaaler, S.M. 435
Vaalwijk, C. 7699
Vachendoerfer, G 7176
Vachendorfer, G. 7806
Vachsmuth, I 815
Vachsmuth, I K. 1795, 11976
Vachtel, E.J 6586
Vachter, R F 575
Wackerbauer, K. 1266
Wackernagel, W. 4965
Wada, A. 3909
Wada, M. 179
Waddell, A 2607
Waddell, C.C 11970
Wade, J.C. 1923, 9205
Wade, W.F. 3577
Wadee, A.A 1894, 6150
Wadera, M. 835.
Wadowsky, R. 6975
Wadstroem, T. 2028, 3229, 5051, 7923, 10231, 10356, 11514
Waechter, K.G 5460
Waes, G. 1241
Waffle, C.M 860
Wagener, W.C. 3416
Wagenknecht, T 8386
Wagensberg, J. 4652.
Wagenseil, F. 7282
Waggoner, K. 1602
Wagner, A. 1948
Wagner, B. 4256, 10955, 11550, 12292
Wagner, F. 8556, 11235, 12710
Wagner, G. 7487, 10553
Wagner, G.C. 3885, 3886, 8522
Wagner, G.H. 3683, 8156
Wagner, H.N.,Jr. 7377, 12715
Wagner, J. 13278
Wagner, J.E. 1846.
Wagner, K.F. 13226.
Wagner, K.R. 10596.
Wagner, M. 4256, 11550, 12292
Wagner, R. 4103, 11067
Wagner, R.F. 5432.
Wagner, S. 5982.
Wagner, W.H. 5984
Wagner, Y. 7181
Wahba, A.J. 12532.
Wahdan, M.H. 6125
Wahi, P.L. 10466, 11666
Wahoff, C.G. 9091.
Waide, J.B. 13520
Wain-Hobson, S. 9826
Wainer, E. 3458
Wainwright, M. 100, 7315, 12150.
Wainwright, P.F. 12036.
Waitkins, S.A. 11531, 12202, 13019
Waitz, J.A. 2986, 7731, 9936
Wakabayashi, H. 4257, 8926
Wakabayashi, T. 1456.
Wakai, M 6894
Wake, P 10444
Wakim, J 2809
Wakimoto, S 6404, 13448
Wakisaka, S. 3995, 4056
Wakisaka, Y. 7359, 7360, 7362, 10854, 10856, 12137
Waks, D 11923
Wakui, A. 11922
Walberg, J.A. 1073
Walckhoff, B 3873
Walczak, C.A. 12264
Wald, E R 9330, 13200
Walder, M. 3310, 6219, 7832, 10358
Waldman, C R. 3782
Waldvogel, F.A 6782
Waleh, N S 12877
Walentik, C. 8003, 8062
Waley, S.G. 9744
Walia, B.N S 274
Walia, S.K 5027, 7874, 9984
Walker, A.P 3761
Walker, B.F. 711
Walker, C 7656
Walker, C B. 374, 5097
Walker, C.C. 2666
Walker, C.W.,Jr. 447
Walker, D H 1944
Walker, E. 9126
Walker, G.C 245, 11278
Walker, G.J 12604
Walker, H.L 945
Walker, J 13100
Walker, J.E 6727, 11204
Walker, J F 2315
Walker, J R 7503
Walker J R L 1544
Walker L 8966
Walker R D 8121
Walker, R I 10271 10373
Walker R P 711
Walker R T 12540
Walker, T E 5735
Walker, T M 3350
Wall J D 4919
Wall, J R 11610
Wallace, B A. 11024
Wallace, B J. 5844
Wallace, B L 6757
Wallace, E.T 1761
Wallace, I 3769
Wallace, L.E 1934
Wallace, L J. 5948
Wallace, R J 6258, 11017
Wallace, R J.,Jr 2283, 3003, 3311, 5969, 7001
Wallenfang, T 1069
Wallin, J 13204
Wallis, C 1279
Wallis, P M 9491
Wallnoefer, P.R 4756, 8428
Walsby, A.E 6492
Walsh, C. 7557, 7568
Walsh, C T 3808, 7615
Walsh, J 2315
Walsh, J F 1222
Walsh, J W 11978
Walsh, T.J. 7203, 13223
Walter, F 1654
Walter, J.A 7632
Walter, R B 2898
Walters, B.A.J. 11610
Walters, B N J 3554
Walters, D.F 10743
Walters, H H B 5876
Walther, R 238, 4071
Waltman, P 10760
Walton, D A 1595, 1598
Walton, G.S. 4586
Wamola, I.A. 2135, 6264
Wan, X.-Q. 13184
Wand, P.J. 7033, 10105, 10113, 10129
Wandersman, C. 8637
Wandzilak, T 1837
Wang, B -R. 11624
Wang, C -M 4849
Wang, C.-Y. 10857
Wang, C.C. 1389, 2455
Wang, D.-I 13245
Wang, E.-Z. 13183
Wang, H.-N. 13183
Wang, H.-Q. 12968
Wang, J.-M. 10919
Wang, J.C. 2700
Wang, J.H. 7616
Wang, J.X. 12858
Wang, J.Y.J. 7612
Wang, L.-Z. 13013
Wang, M. 13411
Wang, M -Y.R. 3886
Wang, P.C 4734
Wang, Q. 12993.
Wang, R.-Z. 11620
Wang, R.Y.-H. 6726.
Wang, S.-H. 12279, 12443.
Wang, S.-P. 2158, 4499, 6100, 10277, 12276, 12278.
Wang, S.P 2280
Wang, S.S. 118.
Wang, T.-H. 13384, 13416, 13417
Wang, T -J. 10857
Wang, W 12787.
Wang, W.L 6206
Wang, W.L.L. 2512, 3109, 8114
Wang, Y.-J 11285, 13012.
Wang, Y.-T 13012.
Wang, Z.-Y 10857
Wang, Z.Y 12840
Wani, P V 4960
Wannamaker, L.W. 10193, 11279
Wannemuehler, M.J 10248, 11519
Wannemuehler, Y.M 7843
Wanner, B L. 11274.
Wanner, M 1892
Wans, X.-L 12337
Wara, D.W 658, 6920
Wara, W.M 658.
Warburg, R.J. 2852
Ward, B.B 10804
Ward, D.F 5009
Ward, D.M. 99
Ward, F.B 9526
Ward, G.E. 16, 1054, 5214
Ward, J. 6827
Ward, J.B. 1377, 1615, 4076, 5802
Ward, J.C. 3665, 4614, 6401
Ward, J.F. 2698, 4795
Ward, J I. 3012, 3482, 5183
Ward, J.M 5948, 9904, 11315.
Ward, J.R. 4316, 6887, 11573, 13037.
Ward, L.R 9907
Ward, M E 1478.
Ward, O.C 10474
Ward, T T 9963
Ward, W H 7924
Ward, W H.J. 1810
Wardlaw, A.C. 993, 6051
Wardle, J.K. 5440
Wards, D.M. 13521
Ware, G.O 9414
Ware, J.C. 378.
Warembourg, F.R. 7332
Warembourg, H.,Jr 13355
Waring, H 12032
Waring, M.J. 7756
Warman, S T 2311
Warndorff-van Diepen, T. 12936
Warndorff, J 696, 13083
Warner, J.J 868
Warner, P.J 8523
Warner, T F 10113
Warns, C.-M 13278
Warot, P 11842
Warr, G.A 3220
Warren, A.J. 11052
Warren, B J 6091
Warren, C 1717, 5067, 8822
Warren, G.H. 11582
Warren, J W 3396
Warren, M 2962
Warren, M.M 8651
Warren, R A.J. 6730
Warren, S G 12630
Wartenberg, K 527
Warth, A.D 5338
Warth, R. 5796
Waschkowski, G 3516
Wase, D.A J 9516
Washburn, L 6887
Washburn, L.R. 13037
Washburn, M 10680
Washburn, R.G. 4577
Washington II, J.A. 13302
Washington, J.A. 9958, 12228, 12229, 12878, 12938, 13253, 13254, 13255, 13534
Washington, J.A., II 1722, 2563
Washington, J A.,II 332, 5556, 10859, 10911, 11378, 11380, 11390
Washington, J.A.,II. 818
Washington, O. 5835
Washuettl, J 12946
Wasilauskas, B.L. 10900
Waskerwitz, S 9224
Wasserman, A. 8432
Waston, K.C. 8012
Wat, C K 7854
Watabe, K 8551
Watabe, S 4243.
Watanabe, A. 6814, 10029
Watanabe, C. 8725
Watanabe, E. 3346
Watanabe, H. 3104, 3949, 4219, 6848, 9759, 9876
Watanabe, I. 1183, 2195, 2987, 4637, 7734, 11357
Watanabe, K. 214, 794, 1235, 1805, 3023, 3450, 4174, 8491, 11298, 11922, 12824
Watanabe, M. 3937, 4852
Watanabe, N 7109
Watanabe, S. 632, 1267, 2976.
Watanabe, T 3081, 4207, 5594, 6682, 6852, 8642, 9001
Watanabe, Y. 2804, 4027, 4939
Watanakunakorn, C. 369, 9239
Waters, B. 7001
Waters, B.W 109
Waters, H. 3659, 7307, 8148, 13453.
Waters, R.V. 6251.
Waters, S. 7001
Watford, A. 1030.
Wathen, H.G. 815.
Watkin, T. 13220.
Watkins, C.J. 11741.
Watkins, J.M. 11745.
Watkins, R.M. 6310.
Watkins, T.R 12720
Watling, R.J. 2493.
Watson, A. 861
Watson, B. 7010.
Watson, D.G 2300.
Watson, D.L. 619, 3252, 8929, 10244
Watson, G.K 12426
Watson, G.N. 13158
Watson, I.D. 8757
Watson, J.C. 11041
Watson, J E 8462
Watson, K.C 8912.
Watson, N. 11085
Watson, P.J. 4616
Watson, R 1686
Watson, R.R. 9020
Watson, S.R. 3214, 6063
Watson, S.W. 9431
Watson, T.G. 5478.
Watt, B. 3375, 6794, 10614
Watt, P.J. 1344, 5603, 10267
Wattel, F. 8046
Watts, A. 6960
Watts, C.M. 5438
Watts, T.H. 2629, 12311
Watzig, V. 8266
Waudby, H 1940
Waugh, M.A. 2150, 11756
Wauters, G. 1251, 2186, 6174, 6758, 8070, 8291, 9231, 11496, 12457
Wax, R 12687
Waxman, D.J. 2777, 5919, 9700
Waxman, L. 9750, 12578
Waxman, M. 1237
Wayand, W.V. 6309
Waygood, E B. 7591
Wayland, L. 5664.
Waynberg, J. 13247
Wayne, L.G. 5586, 7003, 10883
Weaks-Dybvig, M. 13116
Weaver, C.A 3071
Weaver, C.R 5469
Weaver, D.J. 9406
Weaver, D.S 4768
Weaver, P.F. 5661
Weaver, R.E 2007, 4951, 6474, 6484, 6677, 10897, 10904
Weaver, R.W 1158, 1180, 3685, 4002, 7333, 9429
Weaver, S 6805, 9929, 9937
Weaver, S S 8764
Webb, B.J 10256
Webb, B.M 3463, 4504
Webb, C R 8030
Webb, D. 10780
Webb, E L. 67
Webb, J.W 5693
Webb, L 10146
Webb, L.T. 3026
Webb, M.R 4812
Webb, R.B 2691, 2694
Webb, R.E. 9401
Webb, W.R 6210
Webber, J.J 636, 4592, 7842
Weber, A. 2359, 2533, 3161, 3637, 4556, 6067, 8264, 8656, 9358, 10710, 13167, 13373, 13401
Weber, A.H 8765.
Weber, C 4010.
Weber, F.H 4653
Weber, G 7392.
Weber, H.P 7739
Weber, I T. 8512.
Weber, K 13001
Weber, L.D. 10331
Weber, M. 3276, 3417, 3551, 6268
Weber, M.E. 8236
Weber, P.A 4679.
Weber, P.C 3884, 12478
Weber, T.R. 12981
Weber, W 9910
Webster, A D.B 560.
Webster, C. 1975
Webster, D.A. 5688, 8846
Webster, G.F 533, 1735
Webster, J.R. 13520
Webster, M.H. 13019
Webster, R E. 6732.
Webster, R.K. 13445
Webster, R.M 6444
Wechsler, J A. 4966, 5007.
Weckesser, J. 5796
Weckx, M 2770, 2771
Wedel, M.K. 6229
Wedler, F.C 4019, 4900.
Wedro, B.C 8765
Weeks, J.L. 3008.
Weeks, J.P 8251
Weeraratna, C.S. 1205.
Weerkamp, A.H. 10167
Weetall, H.H. 236, 9805
Wegen, H.W. 8153
Wegienek, J. 8320.
Wegrzyn, R.J. 3645.
Wegst, W. 5646, 5675.
Wehner, N. 590, 8911.
Wehnert, C. 3573.
Wehnert, Ch. 3579.
Wehrli, W 7728, 11352.
Wei, L. 11634
Wei, R.-X. 12853, 12861
Wei, S.H.Y. 10307.
Wei, T.T 8652, 11347
Weibel, R E. 640
Weidmann, P. 2106
Weidner, F.A. 2089
Weidner, S. 5863.
Weidner, W. 2074, 10340
Weiel, J. 1445, 7504.
Weier, K.L. 7336, 10791
Weigert, M.B. 988.
Weight, U. 5486
Weightman, A.J. 1614, 12682
Weightman, A.L. 12682.
Weigt, U. 3576.
Weiher, H. 11276.
Weijer, W.J. 7545.
Weil, M.H. 3441
Weil, S. 1873
Weill, B 5416
Wein, A.J. 1374
Weinack, M 1053
Weinack, O.M. 1052, 6328, 13357, 13358, 13385, 13396
Weinberg, E. 9982.
Weinberg, E.D. 1386, 10976
Weinberg, S.R. 4279
Weindling, A.M. 4517, 9166
Weiner, D.S 10571
Weiner, J.H. 6663, 8668, 11043, 11162.
Weiner, L.B. 1262, 11946
Weiner, L.M 4825
Weiner, R.M 5575
Weininger, M.S. 7544, 9755
Weinland, B.T. 4274.
Weinmann, J.M. 13243
Weinova, M.K 2820.
Weinstein, A.J. 10462
Weinstein, J.M. 9283, 10494
Weinstein, L.I. 3102.
Weinstein, M.P 6778
Weinstein, R.A 2194, 6830, 7837, 10506, 10610, 13223.
Weinstock, G.M. 5005
Weintraub, A. 7101
Weippl, S. 9242
Weir, D.M. 4295, 8924.
Weis, J 10890
Weisberg, R.A 9850
Weisblum, B. 6744, 6745
Weisbrot, F J 6241
Weise, W. 2160
Weisemann, J 4802
Weiser, I. 7486
Weiser, J. 4819.
Weisman, Y. 1082.
Weismann, K. 2149
Weisner, N T 3846
Weiss, A.A. 12843.
Weiss, E 6161, 8342
Weiss, H 742, 12552, 12814
Weiss, J 6768
Weiss, J.N. 11954.
Weiss, S.H. 7286
Weiss, U 8652, 11347.
Weissbach, H 6749, 11131
Weissbluth, M. 7166
Weissborn, A. 8386, 8517.
Weissenbacher, E.R. 11793
Weissfeld, A.S. 3357
Weissmann, A. 1948.
Weiszfeiler, J.G. 6037, 6065
Weiten, G. 5583
Weitzman, I. 4397
Weitzman, P.D.J. 9732.
Weitzman, S.A 650
Weiwu, D. 2291
Wek, R.C. 1432.
Welbury, R.R. 4370.

Welby, M. 11240.
Welch, D.F. 342, 3797, 7799, 9956, 12904.
Welch, M.M. 12775.
Welch, R.A. 283, 7995.
Welch, W.D. 9000
Welk, S.W. 6179.
Wellensiek, H.J. 5172.
Welling, G.W. 3560, 10640, 10725
Welling, P.G. 5966.
Wells, B. 6204.
Wells, D.H. 7038.
Wells, J.G. 2049.
Wells, J.I. 5334.
Wells, J.M. 6402, 9406.
Wells, J.S. 7727, 7738.
Wells, J.S.,Jr. 291, 2975, 11345.
Wells, R.J. 1778.
Wells, V.E. 2587.
Wells, W.D. 5377.
Wellstood, S. 3791.
Welsey, W.P. 3294.
Welsh, J. 522, 523.
Welsh, K.L. 7951.
Welsh, R.D. 10651
Welte, W. 1413.
Welter, J. 7016.
Wember, M. 1527
Wen, D.-S. 13050.
Wen, J. 1132
Wende, P. 7542
Wende, R.D. 4702.
Wenglar, M. 3796.
Wenk, B.E. 9918.
Wenk, M. 11823.
Wennersten, C. 9990
Wennstroem, J. 3525, 12047.
Wensinck, F. 5266, 9007, 9132.
Wensink, J. 4830, 8534.
Wentworth, B.B. 6984.
Wenzel, H. 13287.
Wenzel, R.P. 972, 3059, 6803, 10532, 10535, 10538
Weppelmann, G. 5946.
Werblinska, J. 10185.
Werkmeister, U. 9962.
Werner, D. 12549.
Werner, E. 4560.
Werner, G.H. 10198.
Werner, G.T. 4337.
Werner, H. 13156.
Wertheimer, D.E. 936.
Wertheimer, R. 8476.
Wertz, M. 10534.
Wertz, M.J. 13316.
Wesseling, A.C. 8769.
Wessely, M. 6119, 9031.
Wessler, S.R. 252, 6702.
Wessman, G.E. 8273, 8919.
West, B. 2370.
West, C.S. 8104.
West, G.R. 3363.
West, K. 12981.
West, M.E. 1306.
West, P.A. 8349, 9493, 10812.
West, S.C. 8671.
West, S.E.H. 4222.
West, T.E. 6967.
West, T.P. 6635.
Westagarth, D.R. 10683.
Westenfelder, G.O. 2180, 6319
Westergren, G. 1629.
Westerhoff, H.V. 4715.
Westermark, B. 2425.
Westhoff, D. 4673, 4717.
Westlake, D.W.S. 6524, 7438, 11356, 12406.
Westlake, W.S. 7748.
Westler, W.M. 11158.
Westley, J.W. 2983, 3042.
Westmacott, D. 1732, 11463.
Weston, P.D. 9783.
Weston, W.L. 7036.
Westphal, H.J. 1926.
Westroem, L. 923, 9189, 9196, 11801.
Westrom, L. 2092, 4450.
Westveer, D. 4496.
Westwater, S.A. 1545
Wetherall, B.L. 530, 13027.
Wetmur, J.G. 11038.
Wetselaar, R. 9440.
Wettberg, A.B. 902.
Wetterfors, J. 10381.
Wetzel, I. 2171.
Wetzler, C. 11214.
Wetzler, T.F. 1973, 2468.
Weuta, H. 8096
Wever, A.M.J. 11741.
Wey, J. 9443, 10779.
Weyandt, T. 5409.
Weyant, R.S. 8758, 9932.
Weyns, A. 11494.
Whalen, A. 627.
Whalen, C.H. 9734
Whalen, S.M. 11467
Whalen, W.A. 6606.
Wharton, D.C. 8567, 11157.
Wheat, L.J. 2008, 3207, 3343.
Wheat, R. 13337.
Wheatcroft, R. 2928.
Wheeler, C.T. 3703.
Wheeler, L.A. 9217.
Wheeler, P.R. 1495.
Wheeler, R. 10177.
Wheeler, T.T. 67.
Wheelock, J.V. 8185.
Whelton, A. 12004.
Whitaker, J.R. 5045, 5159
Whitaker, R.J. 2746.
Whitaker, S. 9116.
Whitchelo, V. 1816.
Whitcher, J. 2199.
Whitcomb, L.S. 3157.
Whitcomb, R.F. 6384.
White, A. 2008, 3207, 3343.
White, A.L. 2008.
White, D. 1964, 3168, 6681, 13015
White, D.C. 3734, 4650, 10803, 12712.
White, D.G. 9151.
White, F.F. 6769, 7686.
White, F.H. 1049, 2381.
White, G. 2363, 2370.
White, G.F. 4062, 4898, 12426.
White, G.I. 1064.
White, G.L. 13040.
White, G.S. 13040.
White, J.A. 6403.
White, J.D. 438.
White, J.R. 10042.
White, J.W. 10526, 10537, 10587, 10590.
White, L.A. 8018.
White, M.E. 2218.
White, M.I. 1924, 6102.
White, N.A. 1824.
White, P. 2875.
White, P.J. 1464.
White, R.A. 8977.
White, R.D. 9203.
White, R.H. 5662, 12353.
White, R.I.,Jr. 13309.
White, R.J. 789, 795, 8652, 11347.
White, R.L. 4198.
White, S.A. 6497.
White, S.W. 3905.
White, T. 6768.
White,, J. 10341.
Whitehead, C.J. 3604.
Whitehead, W.K. 2647, 2648.
Whitehouse, G.H. 739.
Whiteley, H.R. 6575, 6617.
Whiteside, C.G. 7055.
Whitfield, C. 2825, 6643.
Whitfield, H.J. 7614.
Whitford, H. 6372, 12930.
Whitford, H.W. 9333.
Whiting, D.A. 11661.
Whitley, R.J. 5287.
Whitman, W.B. 6537, 7491.
Whitmire, R. 5319.
Whitmoyer, R.E. 1104.
Whitney, A.S. 5535, 10771.
Whitney, E.D. 1153.
Whitney, F.A. 8218.
Whitt, D.D. 6329, 10636, 10724.
Whittle, H.C. 656, 10185.
Whittle, I.R. 7067.
Whittle, J. 7336.
Whorwell, P.J. 809, 3234.
Whyte, P.B.D. 12076.
Wiater, A. 12651, 12790.
Wiatkowski, Z.K 11283.
Wicher, K. 4252, 7903.
Wick, C.M. 13445.
Wicken, A.J. 4278, 5634, 11230.
Wickham, N. 10719.
Wickner, W. 1533, 8660, 12814
Wickramasinghe, K.N. 7317.
Wickremesinghe, R.S.B. 3319.
Wicks, F.D. 5783.
Widajatno, W. 13240.
Widenov, G. 4873.
Wideroee, T. 11806.
Widholm, O. 10395
Widom, J. 4872.
Wie, S.I. 5150.
Wiebauer, K. 280.
Wiebe, C. 8850.
Wiebe, W.J. 8178.
Wiebecke, B. 6303.
Wiedemann, B. 5946, 9885, 9886, 10020.
Wieden, M. 796.
Wiedermann, G. 652, 11639.
Wiegand, F.M. 973.
Wiegant, W.M. 1391.
Wiegel, J. 2582.
Wiegersma, N. 10285.
Wieland, F. 5805.
Wiemken, V. 3921.
Wieneke, A.A. 10131.
Wientzen, R.L.,Jr. 761.
Wiernik, P.H. 6307, 9205, 11920.
Wiersma, K. 12519.
Wierup, M. 5772.
Wieschhoff, H. 139.
Wieslander, A. 7631.
Wiesner, P.J. 2156.
Wiest, R.H. 7120.
Wieten, G. 2555.
Wig, J.D. 3359.
Wiggins, G.L. 10906.
Wiggins, R. 11741.
Wiggs, J.L. 159.
Wigmore, M. 7961.
Wigren, D.I. 8026.
Wijaya, U. 13240.
Wijfjes, A. 8743.
Wijsman, H.J.W. 2879.
Wikman, F.P. 12537.
Wikstad, I. 11795, 11815.
Wiktor-Jedrzejczak, W. 13041.
Wilborn, W.H. 10695
Wilchek, M. 11073.
Wilcken, D.E. 6315.
Wilckens, R. 4125
Wilcock, B. 6369.
Wilcock, B.P. 5216, 5226.
Wilcox, G. 4797.
Wilcoxson, R.D. 10739, 13427.
Wild, B. 12205.
Wild, G.M. 7639, 11340, 11355.
Wild, J.R. 205, 12812.
Wilde, V. 12169.
Wilder, M.S. 6925.
Wiles, M. 9342.
Wilesmith, J.W. 3641.
Wiley, D.C. 12630.
Wilkes, S.H. 8566.
Wilkie, A.O.M. 11168.
Wilkie, B.N. 1812, 6005, 10216.
Wilkins, B.M. 4106.
Wilkins, J. 3437, 6937.
Wilkins, M.D. 7346.
Wilkins, T. 3157.
Wilkins, T.D. 4222, 5155, 6866.
Wilkinson, A.E. 8565, 12608.
Wilkinson, B.J. 609, 1331, 5917.
Wilkinson, C.R. 1127.
Wilkinson, H.W. 1865, 1984, 3779, 10139.
Wilkinson, I.D. 5071.
Wilkinson, J.L. 10360.
Wilkinson, L. 11905.
Wilkinson, R.F. 107.
Wilkinson, R.G. 9726.
Wilkinson, S.G. 218, 6673.
Wilkinson, W. 1982.
Wilkowske, C.J. 10584.
Wilks, C.R. 45, 1100, 1117, 11650.
Willams, R.C.,Jr. 544.
Willams, R.J. 5114.
Willard, D. 10310.
Willard, J.E. 8955.
Willcox, R.R. 2175.
Wille, L. 11881.
Willeberg, P. 10718.
Willemse, A. 7932.
Willers, J.M 10221.
Willers, J.M.N. 537, 3235, 4343.
Willett, W.S. 3394.
Willetts, N 11316.
Willetts, N. 8729.
Willetts, N.S. 2927.
Willey, R.F. 6260.
Willey, S. 7008.
Williams, A.G. 1504, 9780, 9789.
Williams, A.L. 1591.
Williams, B. 11265.
Williams, B.G. 3716.
Williams, C.A. 1888.
Williams, C.S. 2076.
Williams, D.C. 4983.
Williams, D.H. 2678, 7756.
Williams, D.L. 12810.
Williams, D.M. 6108.
Williams, D.N. 4510, 6229, 10116, 11864.
Williams, E. 9155.
Williams, G. 947, 5308, 5371.
Williams, G.R. 134.
Williams, H.N. 806, 10816
Williams, J. 5123.
Williams, J.C. 58, 2670.
Williams, J.D. 1712, 5114, 5123, 7778.
Williams, J.E. 3154.
Williams, J.W. 1519, 3978.
Williams, K.J. 5300.
Williams, K.R. 4976, 10225.
Williams, L.D. 5690.
Williams, L.E.,Jr. 1049.
Williams, L.F. 7271.
Williams, L.S. 8657, 8682.
Williams, M. 10579, 12008, 13294.
Williams, M.R. 1898.
Williams, M.S. 1135.
Williams, M.V. 12333.
Williams, P.A. 2928, 9900, 11254, 12838.
Williams, P.H. 8523, 11309, 11313.
Williams, P.J.leB. 1239.
Williams, P.M. 1165, 2433.
Williams, R. 4494.
Williams, R.A. 1000, 7828.
Williams, R.A.D. 12267.
Williams, R.C. 1881.
Williams, R.J. 1712, 2371, 8857.
Williams, R.P. 7527.
Williams, R.S. 11501.
Williams, S. 13319.
Williams, S.E. 1175.
Williams, S.T. 1656, 12369.
Williams, T. 2133.
Williams, W. 9221.
Williams, W.H. 1979.
Williams, W.O. 6979
Williamson, H.O. 7054.
Williamson, M.I. 5812.
Williamson, M.P. 7756.
Williamson, R. 172, 1377.
Willick, G.E. 8505.
Willis, A.T. 1983, 4417, 10377.
Willis, N.F. 7054.
Willis, N.G. 3617.
Willmitzer, L. 5703, 5880.
Wills, B.J. 12145.
Wills, C. 4029.
Wills, P.I. 3509.
Wills, P.J. 386.
Willshaw, G.A. 6746.
Wilmoth, G.J. 148, 149.
Wilson, A.C. 2876.
Wilson, A.M.M. 1761.
Wilson, A.N. 11902.
Wilson, B. 6511.
Wilson, B.M. 5228.
Wilson, C.A. 1228, 9777.
Wilson, C.B. 6792.
Wilson, C.D. 12054.
Wilson, C.R. 3758, 3759, 4661, 7370.
Wilson, D. 5350, 8682.
Wilson, D.B. 11310, 12303.
Wilson, D.H. 1038.
Wilson, D.J. 8657.
Wilson, D.L. 6984.
Wilson, E. 3343.
Wilson, F.E. 2855.
Wilson, G.B. 799.
Wilson, H.D. 11978.
Wilson, H.W. 6809.
Wilson, J. 6930.
Wilson, J.M. 1280, 8863.
Wilson, J.R.J. 5136.
Wilson, K.H. 3603.
Wilson, K.S. 3905.
Wilson, M.C. 4491.
Wilson, M.E. 7926.
Wilson, M.F. 8881, 8894, 11962.
Wilson, M.I. 40.
Wilson, M.R. 593.
Wilson, M.T. 1417.
Wilson, P.D. 2086.
Wilson, R. 815, 3362, 7017.
Wilson, R.C. 4513.
Wilson, R.G. 5207.
Wilson, S. 8061.
Wilson, S.E. 1000, 9119.
Wilson, T.H. 4739, 4831.
Wilson, W.R. 9117, 9958, 10572, 10575, 13302, 13327.
Wilt, J.C. 4260.
Wilton, J.M.A. 3148.
Wimmenauer, K. 9160.
Wimpenny, J.W. 3853.
Wimpenny, J.W.T. 2532, 9615, 10969.
Wimsatt, J.C. 7883.
Winberg, J. 1920, 3387, 11796.
Winblad, B. 3425.
Winblad, S. 4520.
Windham, W.R. 6327.
Windle, R. 4490.
Windsor, M.W. 2683.
Wing, E.J. 4300, 4396.
Wingar, C.R. 9509.
Wingham, J. 13252.
Winkelmann, G. 88.
Winkelstein, J.A. 3186, 5292, 6919.
Winker, N. 12946.
Winkler, F.C. 13397.
Winkler, H.H. 6627, 11596.
Winkler, M. 8109.
Winkler, W.G. 7191.
Winn, C.D. 1443, 1452, 2657.
Winn, K.J. 7078.
Winn, W.C. 3323.
Winn, W.C.,Jr. 11766.
Winnacker, E.L. 9870.
Winskill, N. 2962.
Winslow, D. 7853.
Winslow, D.L. 1033.
Winsor, D.K. 9316.
Winston, D.J. 3011, 7188.
Winston, F. 4115, 4117.
Winston, J.A. 2418.
Winter, A.J. 9372.
Winter, E. 1062.
Winter, G.B. 11681.
Winter, V.G. 12518.
Winter, V.J. 2030.
Wintermeyer, L.A. 7184, 114
Wintermeyer, W. 6574, 6578,
Winternitz, F. 6070.
Winters, J.N. 1579.
Winters, M.B. 11058.
Winters, W.D. 528, 4251, 428
Wirth, D.F. 8691.
Wisdom, C. 6007.
Wise, A. 9328.
Wise, J.G. 4859.
Wise, K.S. 10239.
Wise, R. 347, 352, 386, 1713, 5377, 5926.
Wise, W.C. 5162.
Wiseman, A. 7576.
Wiseman, G. 1569.
Wiseman, G.M. 1359.
Wiseman, H.J. 8067.
Wishart, W. 7685.
Wishnia, A. 6589, 6592, 7523.
Wishnow, K.I. 8911.
Wismar, B.L. 13024.
Wiss, K. 2283, 3003, 5969, 70
Wisseman, C.L.,Jr. 2607.
Wissmar, R.C. 12155.
Witchitz, J. 2182.
Witchitz, J.L. 12894.
Witchitz, S. 1043, 2182, 2205.
Witherell, L. 11763.
Withers, S.E. 1504, 9780, 9789
Witholt, B. 4830, 8534, 8536.
Withrington, R.H. 832.
Witkowska, D. 8363, 10950.
Witmer, H. 5856.
Witschel, H. 3477.
Witt, W. 1062.
Witte, L. 2840.
Witten, D.M. 5380.
Wittenberger, C.L. 2819.
Wittenborg, A. 3518.
Witter, J.P. 5447.
Witter, L.D. 9655.
Wittinghofer, A. 4829, 11084.
Wittke, R.R. 363.
Wittmann-Liebold, B. 9718.
Wittmann, D.H. 7016.
Wittnich, C. 1972.
Witzel, B.E. 11448.
Witzel, K.P. 9494.
Wk Kim, J. 7867.
Wm Vermeulen, C. 7662.
Woan, M.C. 3209, 3210, 3211.
Wobeser, G.A. 7348.
Woehrle, R. 7140.
Woelfel, L. 10957.
Woelner-Hanssen, P. 2092, 9189, 11801.
Woerner, W. 2985, 11128, 12535
Woerpel, R.W. 7236.
Woerz, U. 11738.
Woese, C.R. 161, 1449, 2720.
Woese, G.R. 4709.
Wofsy, S.C. 9431.
Wohlhieter, J.A. 9868.
Wohlleben, W. 1676, 4869.
Wojtaszek, B. 4069.
Wokatsch, R. 10143.
Wolber, P.K. 4776.
Wold, M.S. 12753.
Woldendorp, J.W. 3699.
Woldringh, C.L. 63, 7422, 12221, 12295, 12428.
Wolf-Watz, H. 8938.
Wolf, A. 8690.
Wolf, A.P. 1766.
Wolf, D.D. 1141.
Wolf, E. 10185.
Wolf, H. 894, 11128, 12535.
Wolf, J.E. 7891.
Wolf, R. 3288.
Wolfe, N.L. 8407.
Wolfe, P.B. 8660.
Wolfe, R. 6537.
Wolfe, R.S. 7491, 8607, 11245.
Wolfe, S. 7748, 11356.
Wolfers, J. 6315.
Wolff, B. 10511.
Wolff, D.J. 5169.
Wolff, G. 8044.
Wolff, H.J. 7390.
Wolff, M. 2119, 3159, 9168.
Wolff, O.H. 596.
Wolff, S.M. 3144.
Wolfova, J. 1798.

lfson, J.S 11058
lin, M.J. 4357, 5204, 6028, 042, 6142
linsky, E. 755, 939, 4422, 4468
lkin, R.H 6543
llenweber, H.-W. 11236
llenzien, P.L. 11081
llheim, F.A. 4520
llum, A.G.,II 1175, 1225
llum, A.G.,II. 9470
llum,A.G.,II 3731.
olozin, B.L. 7541.
olter, K. 5547, 10813.
olter, R.K 6189.
olters, B. 432, 3075.
ombacher, H. 1535.
on, S.-J. 6892.
one, I. 4509.
ong, B. 5909.
ong, C.S. 8218.
ong, D.C.L. 1443, 1452, 2657.
ong, E.M. 11325.
ong, E.S. 6753.
ong, H.-C. 5102.
ong, H.K. 12910.
ong, I. 13048.
ong, J.C.S. 1909.
ong, J.R. 5699.
ong, J.Y. 1510.
ong, K.-H. 19.
ong, K.H. 513, 3765, 8027.
ong, K.P 8504.
Wong, L.B 687.
Wong, L.C. 3976.
Wong, M.C. 513.
Wong, P.L. 2354.
Wong, P.P 10785, 12133, 13494
Wong, S.H. 3457.
Wong, S.S. 3976.
Wong, T.P. 4841.
Wong, T.Y. 4058.
Wong, W. 3801.
Wong, W.C. 9402.
Wong, W.T. 3481, 9156, 10376.
Wongwatana, S. 6171.
Wonitzki, C. 13010.
Woo, P.W.K. 3013, 3022, 11395
Woo, S. 4144.
Wood, A.P 1407, 1563, 2665.
Wood, B.A 3668, 7999
Wood, B.J.B. 7424.
Wood, D.C. 1177.
Wood, E.A. 12803.
Wood, E.G. 4521.
Wood, E.M. 8860.
Wood, H.G. 4889.
Wood, J.B. 10404.
Wood, J.M 1384, 1412, 6508, 8820.
Wood, L.D.H 9095.
Wood, M. 10677.
Wood, M.G 6311.
Wood, M.K. 10592.
Wood, P.J. 8606.
Wood, P.R. 7071.
Wood, R.E. 13043.
Wood, R.K S. 2544.
Wood, R.L. 626, 1319, 8273.
Wood, T.M. 9777.
Woodhour, A.F. 640.
Woodhouse, V.E. 10672.
Woodland, R.M. 7375.
Woods, C.J. 10349.
Woods, D.E. 4266.
Woods, D.R. 1469, 2622, 3088, 5564, 12663.
Woods, L.E. 6407, 9437.
Woods, L.F.J. 1412, 8820
Woods, R. 1951
Woods, R.D. 1112.
Woodward, D.L. 7912
Woodward, J. 7576
Woodward, T.E. 6120
Woodward, W.E. 1401, 6120
Woody, A-Y.M. 7586
Woody, R.W. 7586
Wookey, P. 8697.
Wool, S. 8324.
Woolcock, J.B. 4700, 10712, 12255
Woolcock, P.R. 6359
Wooley, R.E. 2647, 2648, 4190.
Woolf, M.J. 8281.
Woolfrey, B.F. 319, 699, 4699
Woollacott, R.M. 2399
Woolley, D.E. 703.
Woolnough, K.V. 5350.
Wootton, J.C 4848
Wormser, G.P 9292, 13332.
Wormser, P. 3320.
Worobec, S.W. 8385
Wosnick, M.A. 9675
Wossooghi, J. 1756.
Woudstra, R. 12847
Wouters, C. 8743
Wouters, J.T.M. 1698, 4075
Woychik, R. 4988
Wozniak-Parnowska, W. 10025
Wraight, C.A. 140, 8472, 11029, 12481
Wraight, S.P. 3655
Wray, B.B. 10490
Wray, C. 3582, 3626.
Wray, D 10084
Wray, L.V. 4139
Wreghitt, T.G 7955, 8903
Wretlind, B 5158, 11540.
Wright, A.C.. 4487.
Wright, A.J 9958, 13302, 13327.
Wright, A.J.A. 7850.
Wright, B.D. 2310.
Wright, D.J.M. 8978.
Wright, D.N 9956.
Wright, F.A.C. 11692.
Wright, G.E. 7621.
Wright, H.M. 11315.
Wright, J.C. 11895.
Wright, J.D. 3650.
Wright, J.L.C 7632.
Wright, M.J. 1283, 6535
Wright, P. 1156, 3681.
Wright, P.A. 3028.
Wright, P.F 639, 641, 11649
Wright, R 3234, 8038.
Wright, R.C. 10852.
Wright, R.T 6446
Wright, S.D. 1886, 1890.
Wright, S.F. 3685, 9429.
Wright, V. 3204, 4289.
Wriston, J.C.,Jr. 7549.
Wroclawski, E.R 4428.
Wroten, J.E. 1754.
Wrzesniowska, K 4205.
Wu, A.M 1460, 4107.
Wu, C.-W. 4996.
Wu, F.Y -H. 4996.
Wu, H.C 4958.
Wu, J. 11634.
Wu, M.T 12579.
Wu, R.P 12858.
Wu, R.T 7712.
Wu, S 6461
Wu, S.F 8086.
Wu, T.T. 1497.
Wu, Y.-F. 12239, 12259.
Wu, Y.-M. 11285.
Wuepper, K.D 11100.
Wuersch, P. 13113.
Wuest, P J. 8253.
Wuhrmann, K. 12176.
Wuilloud, A.H. 3760.
Wul, F.L. 3455
Wulf, M.L 9498.
Wulf, M R 2576.
Wulf, R.G. 2833.
Wulfers, M.K 8419.
Wullems, G.J 4612, 9419, 12825
Wullenweber, M 10480, 10481, 10822.
Wullstein, L.H. 4899.
Wunderlich, A. 10266
Wunderlich, A.C 5225
Wunderlich, P 8890.
Wundschock, M 8855, 11376, 11446
Wundt, W. 11410.
Wuokko, E. 5365.
Wurbs, D. 3511, 4505, 10545
Wurst, M 5541, 8212.
Wyand, D.S. 2336.
Wyard, J.M. 798.
Wyatt, G.M. 1323, 3657
Wyke, A.W 5802.
Wyndham, R.C. 8223, 8360.
Wynn, W.K. 5495.
Wynne-Williams, G. 8755
Wynne, J.C. 1163
Wynnyk, W.P 3623
Wyrick, P.B. 3226
Wysocki, K. 8724
Wysong, D.S. 8285
Wyss, O. 7555
Wyszanowski, J. 3259

Xavier, A.V. 9740, 11103, 11107
Xavier, B 1986
Xe, J.-X. 12259
Xeftri, H. 1035
Xerri, L. 6801, 7150
Xi, Z.-P 13411
Xiao, Y.-G. 12337
Xie, J.-X. 12239.
Xie, Z.-Y 12239, 12259
Xilinas, M 6227
Xing, N.-Y. 12802
Xirouchaki, E. 4666, 9502
Xu, C.-C. 13014
Xu, Y. 12856
Xu, Z.-K. 12997
Xue, Y.G. 12856
Xuong, N.H. 3884.
Yabuki, S. 3903
Yabuuchi, E. 328, 9801
Yaconis, L. 6300
Yada, R.Y 9604
Yadav, J.S 10085, 12705, 12706
Yadav, M.P. 1003, 12963
Yadav, O.P. 10764.
Yadomae, T 6514, 8442
Yagi, T. 3868, 3957, 5683, 12607
Yagihashi, T. 5620.
Yagisawa, N. 3040, 11420.
Yagishita, K. 1797
Yagoda, A. 1969
Yagovdik, N.Z. 5346.
Yaguchi, M. 8505.
Yague, R.C. 7975.
Yaguee, R.C 2255, 9089
Yahara, H. 4138
Yahaya, H. 9058
Yajima, M. 1477.
Yajima, T. 353
Yakava, J.N.S. 1658
Yakimova, I.V. 1759, 13073
Yakovlev, G.B. 1041
Yakovleva, M.B 4764, 11453.
Yakovleva, Z.M. 12134, 12314.
Yakushiji, T. 12702.
Yakushkin, M.I. 428
Yakushkina, I.V. 8054
Yalon, M 13284.
Yalysheva, N.I. 676.
Yamabe, T. 1730
Yamada, H. 1370, 1636, 1651, 2725, 3023, 3821, 3933, 3971, 4040, 4851, 6653, 8230, 8535.
Yamada, J. 5134, 6916
Yamada, K. 8366, 8443
Yamada, M. 2911, 9674.
Yamada, N. 4174
Yamada, O. 10090
Yamada, R.-H. 1427
Yamada, T. 702, 4369, 4619, 4936, 5759, 9976
Yamada, Y. 2716, 3836, 3965, 7702
Yamagata, S. 4131.
Yamagishi, H 8484
Yamagishi, J.I. 3108
Yamagishi, M. 2972, 5218
Yamagishi, S. 1428, 3017, 9871, 11431
Yamagishi, T 5596, 7324
Yamaguchi, H. 5278.
Yamaguchi, K. 12857
Yamaguchi, M. 5518, 6648, 8170, 12857.
Yamaguchi, S 2503
Yamaguchi, T. 511, 518, 6032, 9087, 9346
Yamai, S. 6454
Yamakawa, K. 5592, 6057, 6287, 6685, 7760
Yamakawa, T. 5738
Yamaki, K 6060
Yamamori, T. 9838
Yamamoto, A. 4729
Yamamoto, D.K. 2440
Yamamoto, H. 3054, 3068, 3302
Yamamoto, K 469, 4227, 5167, 12908
Yamamoto, M. 1638
Yamamoto, N 328, 8719
Yamamoto, R. 4303, 6081, 8576
Yamamoto, S. 2782
Yamamoto, T. 329, 2101, 2939, 4131, 7895, 9871, 9892, 12784
Yamamoto, Y. 6163.
Yamanaka, H 11201, 12635
Yamanaka, S 3930, 3935
Yamanaka, T. 184, 3868
Yamane, K 5824
Yamane, N 2035, 9214.
Yamane, T. 7544
Yamani, M.I. 13367
Yamanoto, K.I 9009
Yamasaki, K. 4162
Yamasaki, M. 2814, 4093
Yamasaki, T 7773, 11393.
Yamashiro-Matsumura, S. 4813
Yamashita, H 7712
Yamashita, J 3936, 8470, 8576
Yamashita, K. 343, 6718, 8576, 11284
Yamashita, N 1719, 1752, 4404
Yamashita, T. 3566, 7241
Yamato, I. 11300.
Yamauchi, K 6684
Yamauchi, T. 896
Yamaura, N. 6908.
Yamaya, S.I 1379.
Yamazaki, E. 12238.
Yamazaki, M 5920, 8400, 8814
Yamazaki, S 8574.
Yamazaki, T 13336.
Yamskov, I.A 4882, 4895.
Yanagase, Y. 12755.
Yanagawa, R. 8351, 8930, 8944, 8952, 10161, 11537
Yanagida, T. 7594, 7595
Yanagihara, Y. 6082.
Yanagisawa, K. 3339
Yanaguita, R.M. 9339, 9340, 11597
Yanai, Y. 8922.
Yanase, H. 3939.
Yancey, J M. 13111
Yaneva, J.N. 8572
Yanez, I F 3533.
Yang, B.-L. 12443.
Yang, C.-C. 1696, 7529
Yang, F. 5886.
Yang, F.-R. 12279.
Yang, G.-Z. 11620.
Yang, Q.Y. 12852.
Yang, S.-S. 11106.
Yang, S.L. 12858
Yang, S.S. 10986.
Yang, Y.-Q. 12861
Yang, Y.R. 4849.
Yang, Z.-R. 11620.
Yanguela, M.M. 2265.
Yanisch-Perron, C.R. 4842.
Yaniv, M 12767
Yankofsky, S.A. 2560, 2605, 2611
Yannai, S 7486
Yanni, N.R 6915
Yano, A 10187
Yano, I. 12432
Yano, K. 5674, 9966
Yanofsky, C. 257, 1460, 2941, 7645, 12503, 12521, 12522
Yanover, L. 1952
Yanson, V.A. 4767
Yao, S.-F. 12787
Yao, X.-J. 11285
Yap, P.K. 1995.
Yapo, A. 12055.
Yarnal, J.R. 804.
Yarnell, J.W.G. 5313.
Yaron, A. 11167.
Yaroshenko, M.N. 225
Yasbin, R.E. 152, 9854
Yashina, L.N. 5739.
Yashkova, G.N. 2145
Yasnova, L.N 12822
Yassin, M.M.W. 901
Yassin, M.W. 899
Yassuda, P.H. 9364
Yasuda, K 3055
Yasuda, M 1494.
Yasuda, P.H. 2395, 9340.
Yasuda, S. 2911, 8543.
Yasuda, S.-I. 9717.
Yasuda, T. 4558
Yasuda, Y. 7749.
Yasuhira, K. 4281.
Yasui, V.K 3769, 7798
Yasumi, M. 10618
Yasumoto, S. 9720.
Yasunaka, K. 5622
Yasunobu, K.T 8522, 12479
Yasuoka, N. 3868, 5683
Yates, I E. 12476.
Yates, J.L 7510.
Yates, M.D 5947, 6469, 8868
Yates, M.G. 2666, 12654.
Yates, W.D.G. 10693
Yatome, C 4754, 7458
Yatsukha, M V. 4654, 6249
Yatyin, M.B. 12953
Yayanos, A.A. 3651, 10805
Yayoshi, M 6894
Yazawa, K. 5696, 6382, 7227, 7737.
Yazdani, S 1756
Ychan, Y.T. 8343
Ye, G.-Y. 13090
Ye, Q.-Q. 12858
Ye, T.-X. 12239, 12259
Ye, Y.F 12852
Yeap, P.C. 34.
Yearsley, P. 3445
Yeats, S 12837
Yecies, L D. 5432
Yedgar, S. 9632.
Yee, R B 6975
Yee, T. 3889
Yegorova, L.A. 8454
Yeh, W. 5747.
Yeh, W.-K 9836
Yeh, W.K 7560
Yeh, W L.S. 9252
Yelinov, N.P 10939
Yelton, M.M. 1502
Yemnova, E.E. 12676
Yen, C.C. 1210.
Yen, J.T 8081
Yen, K.-M. 11307
Yen, L.-Z. 13090
Yen, S.L. 11029.
Yeni, P 6135
Yeo, K.L. 1725
Yeoman, P 5069.
Yeomans, J.C. 13475.
Yeowell, H.N. 10042
Yepez, L. 9034
Yergin, B.M. 1979.
Yersin, B.R. 6077, 6235.
Yeruham, I 9374
Yevteyev, A.A. 11991
Yevtushenko, L.I. 12351
Yezhov, N.Y. 524.
Yi-Guang, W. 7696
Yi, Q -M. 8504
Yildiz, F. 4673
Yilgor, E. 10548.
Yin, W. 12802.
Ying, F.-K. 13405
Ying, G.C. 6205.
Yizong, Z. 2523.
Yli-Kerttula, U.I. 914
Yoakum, G.H. 6604.
Yoch, D.C. 1502, 9746.
Yocum. P. 1989
Yocum, R.R. 5919.
Yoda, K. 2814, 4093
Yoder, H.W.,Jr. 12996
Yoder, J.F. 2458
Yoder, Jr., H.W. 10691
Yogev, R. 321, 2133, 2179, 3411, 5953, 7060
Yoh, M. 10885
Yokochi, T. 11626
Yokogawa, K. 4950, 5199.
Yokose, K. 7811
Yokota, A. 4860.
Yokota, H. 1044, 12041.
Yokota, T. 2939, 7819, 8864, 9892, 10015, 12784.
Yokota, Y. 2997, 13044
Yokoyama, K. 1745, 5803.
Yokoyama, M. 11922.
Yokoyama, M.M. 10186
Yolken, R.H. 3157, 8816, 10489
Yonath, A. 3905
Yoneda, C. 2199, 13310.
Yoneda, K. 2001, 6927.
Yoneda, M. 3041, 3130, 5457, 6332, 6335, 6357, 9716.
Yoneda, S. 10618
Yoneda, T. 2713, 8983
Yonemitsu, K. 2738, 2783
Yonesaki, T. 2893, 2894.
Yoneyama, T. 5803
Yonezawa, H. 3834.
Yong, E.C. 10184
Yonke, C.A. 6984
Yoo, O.J. 12509.
Yoon, J.M. 4405.
York, M.K. 7679
Yoshida, A. 6894
Yoshida, H 4833, 10273
Yoshida, I. 9955
Yoshida, K. 762, 2740, 5253, 6016, 7353, 7637, 7638, 8921, 11488, 13055
Yoshida, M 6011, 11344, 11513.
Yoshida, N. 3949
Yoshida, T. 173, 176, 213, 3017, 6496, 7752, 7795, 7796, 11249, 11403
Yoshida, U. 4403
Yoshida, Y 4999, 5218, 11061.
Yoshii, Z. 5626
Yoshikawa, H. 11050
Yoshikawa, K. 1379.
Yoshikawa, M. 1638, 1668, 2638, 5871, 6831.
Yoshikawa, T. 3585, 7894
Yoshikawa, T.T. 11938, 13275.
Yoshikura, T. 1278.
Yoshimizu, M. 2389, 6027.
Yoshimori, R.N 963, 7102.
Yoshimoto, A. 299, 2957, 2963, 2969, 2977, 2992, 4146
Yoshimoto, I. 8453
Yoshimoto, T. 4024, 8579
Yoshimura, F 3967
Yoshimura, H 4026, 5116, 10054, 10055
Yoshimura, T. 8590.
Yoshimura, Y. 2989, 3033
Yoshinaga, M. 7110.
Yoshino, S. 270, 6668
Yoshioka, H. 985, 2318, 7136.
Yoshioka, M. 6894, 12052
Yoshitake, M 9360
Yoshiya, I. 13336
Yoshizawa, N. 5437.
Yoshizawa, T. 4787
Yoshizumi, T. 760.
Yother, J. 11606
Yotis, W W. 9701, 12354
You, I.-S. 9611, 10782
Youderian, P. 4116.
Youinou, P. 7159, 10207
Younes, R.P. 647
Young, C.R. 1849, 6308.
Young, D. B. 1932.
Young, D.A. 7660, 8710.

Young, D.B. 2834, 11096.
Young, D.L.T.S. 2602
Young, D.M. 5566.
Young, E.J. 2225
Young, F.E. 2831, 5705.
Young, G. 11350
Young, H. 2062, 2163, 7383, 9148
Young, I.G. 4902, 8598, 8735.
Young, J.B. 4460.
Young, J.P.W. 9467.
Young, L.S 5077, 5372, 7188, 10513, 10573
Young, L.Y. 12370.
Young, M. 11945.
Young, P.R. 5841.
Young, R. 6583, 10998.
Young, S.E.J. 8042
Young, T.-S. 11134
Young, T.W. 4660.
Young, V.M. 1923, 3190, 10635, 11920.
Young, W.C. 11913
Youngs, D. 668, 2037, 3263, 11493.
Yourassowski, E. 888.
Yourassowsky, E. 396, 1733, 5083, 5442, 9259, 11810, 12257, 12892.
Yourassowsky, I. 6475.
Youssef Hasan, A. 10351.
Yovanovitch, E. 2429.
Yow, M.D. 10322.
Ysakov, W.W. 4943
Ysern-Caldentey, M. 7240.
Yu, F. 1651.
Yu, P.K.W. 332, 12229
Yu, S.-G. 12835
Yu, S.D. 6768.
Yu, V. 9092.
Yu, V.L. 4469, 6975, 10321, 11748.
Yu, X.-H. 12240.
Yu, Z. 12237.
Yu, Z.-F. 10896.
Yuan, R. 4802.
Yudelvich, A. 2915.
Yudina, T.P. 11415.
Yudkin, M.D. 1608, 2853
Yuen, J.E. 13450.
Yuill, T.M. 1070.
Yumoto, N. 6639.
Yunus, M. 7160
Yura, T. 1477, 9838.
Yusupova, I.K. 210.
Yutani, K. 7610.
Yutsudo, T. 5608
Yvore, P. 6147.

Zaadhof, J. 4677.
Zaalberg, J. 11015.
Zabel, D.J. 6706.
Zabilansky, E. 2698.
Zabin, I. 6707, 8521.
Zableckis, J. 9329.
Zablotowicz, R.M. 2454, 2464.
Zaboura, M. 78.
Zabow, M. 13251
Zabransky, R.J. 11402.
Zabriskie, J.B. 1881.
Zaccai, G. 5716, 7617.
Zachariev, S. 4873.
Zacharius, R.M. 12110.
Zacharopoulos, L. 10448.
Zachary, D. 6076.
Zacherle, B.J. 11667.
Zacho, O. 4421.
Zadorina, T.M. 11327.
Zaehner, H. 293, 2985, 9910, 9918.
Zaetterstroem, U. 8937.
Zafar, Y. 1217.
Zafiriou, O.C. 9431.
Zagaeski, M. 6555.
Zagorska, L. 9858.
Zagorye, I.V. 12217.
Zaha, A. 8732.
Zaheer, A. 12912.
Zahler, S. 6621.
Zahler, S.A. 12756.
Zaidi, A.A. 854.
Zaidman, G.W. 6285
Zaika, L.L. 5140.
Zaikina, N.A. 10939.
Zaiss, C. 10114.
Zaiss, U. 7337, 10810.
Zajac, J. 3106, 3113.
Zajak, M. 5137.
Zajic, J.E. 241, 4090
Zak, O. 6798, 13209.
Zakharova, I.Ya. 11099, 12597.
Zakharova, L.V. 817.
Zakharova, M.S. 9026.
Zaki El-Din, M. 3555.
Zaki, M.M. 1162.
Zaki, S. 6338.
Zaki, Z. 8752.
Zakin, M.M. 12783.
Zalassky, R.R. 6986
Zaleski, S.J. 414.
Zaletova, E. 2405, 2408.
Zall, R.R. 2839.
Zaloguev, S.N. 2214, 2500
Zamir, A. 11073.
Zamocka, J. 422.
Zamora Tallo, L. 10609
Zamora, J. 3161, 7230, 13401.
Zandberg, J. 1655.
Zander, H. 13116
Zanders, E.D. 1860.
Zanen, J. 11478.
Zanesco, S. 3572
Zangger, J. 7996.
Zani, G. 12307.
Zanierato, G. 10352.
Zaniewski, R. 3906, 3914
Zanin, L.C. 11664.
Zannoni, D. 5684.
Zantema, A. 7515, 7516.
Zapatka, F.A. 3122.
Zapp, M.L. 5781.
Zarini, F. 7774.
Zarinya, I.K. 6986.
Zaritsky, A. 71, 5617
Zarnick, W.J. 4955.
Zarnke, R.L. 1070.
Zarybnicky, V. 1660.
Zaske, D.E. 5294, 10505.
Zatchej, M. 250.
Zatloukal, O. 5545.
Zavadova, V. M. 2212
Zavilgelskij, G.B. 275.
Zavitsanos, X. 909, 7361.
Zavoruev, V.V. 12482, 12490, 12494.
Zavoruyev, V.V. 11030.
Zavriev, S.K. 4127, 5847.
Zavyalets, I.T. 12898.
Zawaneh, S.M. 1352.
Zaya, M.J. 11256.
Zberovskaya, N.A. 4319.
Zbornik, J. 3488.
Zdorovenko, G.M. 12397
Zech, M. 193.
Zeeberg, B. 4663.
Zeeck, A. 2974, 7636, 9910, 9918, 9919.
Zeeck, Z. 11247.
Zeeman, D.J. 10447.
Zegers, H.C. 2586.
Zeichner, S.L. 23, 12078.
Zeiger, A.R. 1880.
Zeiger, E. 1328, 7653.
Zeikus, J.G. 125, 2747, 3665, 3738, 4065, 4614, 4888, 5671, 6401, 6543, 9626, 12361.
Zeisler, J. 6755.
Zeiss, C.R. 3154.
Zelante, F. 9038, 9505, 13072.
Zelder, O. 9268.
Zelenin, E.N. 12465.
Zelinka, J. 4017, 4032, 5892.
Zelinkova, E. 4017, 4032, 5892.
Zelko, J.R. 12024.
Zelles, L. 13502
Zeltzer, M. 10633.
Zemcov, S.J.V. 364, 5072.
Zemek, J. 8847, 10041, 10044.
Zengbe, M. 9444.
Zengel, J.M. 6576.
Zenkovich, A.M. 13433.
Zenova, G.M. 12126, 12147.
Zepezauer, V. 6347.
Zeppezauer, M. 4010.
Zerling, W. 5977.
Zernicki, L. 601, 10206.
Zertuche, L. 2839.
Zestjanikov, V.D. 1426.
Zetina, C.R. 7590.
Zetner, K. 4591.
Zeugin, M. 2270.
Zeuner, E. 707.
Zevin, D. 13148.
Zeyada, N. 5789
Zeyer, J. 9629, 9633, 9634.
Zezin, A.B. 4045.
Zhang, C.-Z. 13245.
Zhang, D.-X. 11620.
Zhang, J.-L. 11651.
Zhang, J.-T. 11620.
Zhang, J.B. 12858.
Zhang, J.L. 12819.
Zhang, Y.-F. 13411.
Zhang, Y.-M. 12861.
Zhang, Y.-W. 9503.
Zhao, G.-F. 13014.
Zhao, J.-G. 10857.
Zhao, Y. 10346.
Zhao, Z.C. 13346.
Zhaoying, S. 2291.
Zhau, F. 12240.
Zhdan-Pushkina, S.M 12661, 12669.
Zhdanov, V.G. 12310.
Zhdanovich, Yu.V. 7714.
Zhelyuk, V.M. 5517.
Zheng, J.-J. 10857.
Zheng, Z. 12237.
Zheng, Z.-X. 10896.
Zheng, Z.X. 2935.
Zhestyanikov, V.D. 8720.
Zhitkevich, N.V. 13435.
Zhou, G.-L. 12443
Zhou, H.-P. 10896.
Zhou, H.-Z. 13050.
Zhou, S. 12787.
Zhu, L. 11623.
Zhu, Y.-F. 12856
Zhuang, Z.-H. 12856
Zhuravlev, A.P. 10439
Ziayee, M.H. 9105.
Zickert, I. 6160.
Ziefer, A. 1930
Ziegler, D. 1532.
Ziegler, E.J. 11636.
Ziegler, G. 3495.
Ziegler, M.M. 9784.
Ziegler, W. 4756, 8428.
Zieman, J.C. 10814.
Zierdt, C. 4672.
Zierdt, C.H. 2530.
Zierski, M. 752, 11726.
Ziese, M. 1681.
Zighelboim, S. 407, 6828.
Zikk, D. 9128.
Zilberstein, D. 10962
Zillig, W. 5859, 7398, 9782, 11132, 12837.
Zimicki, S.N. 11754.
Zimmer, B.L. 7804.
Zimmerman, A.W. 889.
Zimmerman, E. 13531.
Zimmerman, H.J. 12976.
Zimmerman, H.M. 936.
Zimmerman, S.E. 3343.
Zimmermann, A. 3335, 10412.
Zimmermann, B. 2160.
Zimmermann, B.J. 1112.
Zimmermann, D.I. 9090.
Zimmermann, I. 11747.
Zimmermann, R.A. 7513, 12529.
Zimmermann, T. 211, 9771, 9772.
Zinchenko, T.A. 11452.
Zink, D.L. 205.
Zinkevich, V.E. 12759.
Zinn, A. 2705.
Zinn, R.A. 3563.
Zinnaka, Y. 1882, 5180, 5181, 9592, 10103.
Zinner, S.H. 313, 359, 1704, 2999, 3034, 5096.
Zinoviev, V.V. 5739, 5740.
Zinser, I. 11722.
Ziobrowski, T.F. 994.
Zipursky, S.L. 2904, 4128.
Zischek, C. 5023.
Ziv, G. 5483, 8109.
Zlateva, M. 7202.
Zlotnik, A. 10176.
Zmijewski, M.J.,Jr. 8824, 9911, 11418.
Zoeller, L. 8702.
Zoethemeyer, R.J. 8444.
Zoha, S.J. 86, 4264.
Zohdy, L. 12384.
Zohdy, N.Z.M. 9382.
Zoiller, L. 3776.
Zollinger, M. 8724.
Zolotas, J. 6216.
Zoltai, P.T. 79.
Zonana, J. 963.
Zoratto, E. 813
Zorn, R. 5424.
Zorzopulos, J. 7675.
Zosimenko, V.S. 9957.
Zottola, E.A. 79.
Zschiesche, M. 10449.
Zschiesche, W. 9010.
Zsolnay, A. 12366.
Zuber, H. 2731, 3999, 11165.
Zuber, M. 12557.
Zubko, I.K. 12619.
Zubkov, W.A. 4943.
Zuccoli, P. 5439.
Zucker, J.M. 7990.
Zudin, B.I. 2164.
Zuend, P. 7693, 9882.
Zueva, V. 10016.
Zuidema, G.D. 10502.
Zuliani, C. 5048.
Zumft, W.C. 2774.
Zumft, W.G. 207, 2736, 6538.
Zundel, G. 6544.
Zuniga, M. 283.
Zuravleff, J. 6975.
Zureck, A. 8266.
Zurkowski, W. 2827.
Zurlinden, E. 3230.
Zusman, D. 3940.
Zusman, D.R. 251, 3827, 5191, 5194.
Zuyeva, L.D. 12129.
Zvenigorodsky, V.I. 12310.
Zvetina, J.R. 5309.
Zvyagintsev, D.G. 12136, 12141, 12147, 12148, 13471.
Zwadyk, P. 9125.
Zweighaft, T. 10336.
Zweighaft, T.C. 8856.
Zwetsloot, J. 2858.
Zweyer, M. 1346.
Zwieb, C. 1459.
Zychlinsky, E. 6511.
Zykatova, K.A. 12676.
Zylber, L.J. 3755.

ject Index

te,
fects on, growth, Vibrio natriegens 6847
ttoirs,
ucella abortus brucellosis outbreaks, man, Australia 5427
uckens, Escherichia coli, incidence 3629
scherichia coli, isolation, sheep 1065
vestock, Salmonella, incidence, Ethiopia 3610
an, occupational exposure, wound infection, Streptococcus pyogenes, Staphylococcus aureus, association, carcasses bone 4358
ccupational exposure, Brucella infection, serological surveys, man 4509
ccupational exposure, brucellosis, Brucella abortus, serology, man 6286
ccupational exposure, Coxiella burnetii, Q fever, man 4458
ccupational exposure, Streptococcus suis infection, man, case reports 6266
igs carcasses, incidence, bacteria abscesses 1093
igs, sheep, cattle, Escherichia coli, isolation 3604
amples, isolation, Brucella abortus, emulsification, centrifugation 6
heep, cattle, gastrointestinal tract, lymph nodes, incidence, Salmonella 3638
battoirs,
nan, pigs, Salmonella, infection, diagnosis, disease transmission 3606
domen,
bscesses, diagnosis, computerized tomography, immunocompromised hosts, man 5380
nfection, anaerobic bacteria, treatment, metronidazole, clindamycin, man 11866
nfection, association, leukocytes (neutrophilic) function, man 9308
nfection, Staphylococcus toxins antibodies, man 558
nfection, treatment, dibekacin, man 1026
rrigation, surgery, peritonitis, man 10543
nan, postoperative infection, treatment, catheters+antibiotics 12024
ain, presentation, Campylobacter fetus subsp jejuni, enteritis, man 7024
epsis, bacteria, treatment, high-dose tobramycin, ± clindamycin, ± lincomycin, man 3465
surgery, antibiotic prophylaxis, incidence, wound infection, clinical trials, gentamicin, clindamycin, man 10531
surgery, association, anaerobic bacteria postoperative infection, treatment, man 10628
surgery, infection, Streptococcus faecalis, Pseudomonas aeruginosa, treatment, moxalactam 7016
surgery, postoperative infection, treatment, man 12003
trauma, antibiotic prophylaxis, clinical trials, penicillin, man 10534
tuberculosis, incidence, clinical aspects, man, India 10456
bdominal diseases,
bacteria, characterization, diagnosis, treatment 13311
bies alba,
dieback, association bacteria opportunistic infection, wetwood 10753
dieback, association bacteria, wetwood, wood physical properties 10754
dieback, population dynamics, conferences, Europe 10848
dieback, wetwood, bacteria, roots infection, acid rain effects on soil nutrients 10756
litter, chitin biodegradation, bacteria 3729
wetwood, bacteria, minerals levels 10757
wetwood, bacteria, water conductivity 10752
BO system,
blood groups, correlation, Vibrio parahaemolyticus diarrhea, man 2041
borigines,
Campylobacter fetus supsp.jejuni, carriers, diarrhea, epidemiology, Australia 7019
bortion,
association, Bacillus cereus, isolation, fetuses, horses 6338
association, Bubalus bubalis, antibodies serum levels, Leptospira interrogans 10219
association, Leptospira interrogans ser pomona, cattle, isolation, histopathology 12070
association, Nocardia asteroides, pigs, case reports 6371
association, septicemia, Campylobacter fetus subsp jejuni, man, case reports 976
bacteria, prophylaxis, sheep, goats, Cyprus 1087
brucellosis, Brucella melitensis, Brucella abortus, goats 7263
cattle, bacteria 7235
cattle, etiology 1096
cattle, leptospirosis, diagnosis, agglutination 1062
cattle, leptospirosis, Leptospira interrogans ser hardjo, serology 6351
Chlamydia, etiology, differential diagnosis, pigs 5473
endometritis, postoperative infection, tinidazole prophylaxis, man 11801
genital tract infection, prophylaxis, penicillin, pivampicillin, man 11814
horses fetuses infection, Streptococcus group D 10681
horses, Streptococcus, serotypes 4547
induction, contagious equine metritis, horses 9351
lung infection, Nocardia asteroides, pigs 4562
Pasteurella haemolytica, cattle, case reports 1121
postoperative infection, tinidazole prophylaxis, man 11794
sheep, association, Campylobacter fetus subsp intestinalis infection, Mexico 10664
side effects, Salmonella abortus-ovis vaccination, sheep 9061
Ureaplasma role, mycoplasmosis, cattle genital diseases, reviews 6365
Abortion prophylaxis,
Salmonella abortus ovis, vaccination, sheep, 3242
Abscesses,
abdomen, diagnosis, computerized tomography, immunocompromised hosts, man 5380
Actinomyces israelii, pelvic inflammatory disease, association, intrauterine devices, genital tract, man 2052
Aeromonas hydrophila, man 13346
appendix, Streptococcus, Escherichia coli, Bacteroides, man, case reports 6310
association, chloramphenicol resistance, meningitis, Salmonella typhimurium, man 10428
association, kidney, Staphylococcus aureus, treatment, reviews 5327
association, tysonitis, urethritis, Neisseria gonorrhoeae, pathology, treatment, man, case reports 922
bacteria, incidence, pigs carcasses, abattoirs 1093
bacteria, nose septa, diagnosis, pathology, man 9117
bacteria, skull, diagnosis, treatment, case reports, man 13314
bone, man, Staphylococcus, case reports 935
brain, association, bacteria, dental sepsis, treatment, man, case reports 4370

Abscesses, (continued)
brain, bacteria, man, case reports 5339
brain, brain tuberculosis presentation, man, case reports 2124
brain, Clostridium perfringens, Clostridium paraputrificum, case reports, man 6236.
brain, Fusobacterium nucleatum, man, case reports 5342
brain, Haemophilus paraphrophilus, children, case reports 3417
brain, man, bacteria, treatment, surgery 13221
brain, man, case surveys, infection, bacteria 10493
brain, man, tuberculosis, diagnosis, pathogenesis 11837
brain, Mycoplasma hominis infection, man, case reports 4483.
brain, Nocardia, diagnosis, case reports, man 10420.
brain, Nocardia otitidis-caviarum, leukocytes (neutrophilic) function association, man, case reports 11941
brain, Pasteurella multocida, association, otitis, man, case reports 7067
brain, Proteus mirabilis, neonates, man, case reports 10423.
brain, Staphylococcus aureus experimental infection, cats 1069
brain, Staphylococcus aureus, pathology, Macaca mulatta 8108.
brain, Streptococcus, treatment, syringes aspiration+craniotomy, man, case reports 6241
branchial cleft, rupture, association, thyroid bacteria infection, children, case reports 11895
cervix, Mycobacterium intracellulare, Mycobacterium scrofulaceum, man, case reports 11792
complications, Corynebacterium diphtheriae+Bordetella pertussis+Clostridium tetani vaccination, man 661
cyst, Salmonella brandenburg, endometrium, man, case reports 11831.
ecology, bacteria, pigs 5474.
endophthalmitis, pseudomonas aeruginosa, clinical aspects, case reports, man 11963
Escherichia coli, kidney transplantation, diagnosis, computed tomography, man, case reports 866
etiology, man 1038
Gardnerella vaginalis, transplantation, kidney, man, case reports 4422.
heart valves, association, endocarditis, echocardiography, man 10452
kidney, association, bacteria infection, treatment, man, reviews 5327
kidney, association, carcinoma, kidney, incidence, Escherichia coli, hematuria, man, case reports 4429
kidney, presentation, bacteria, pyelonephritis, man 3389.
kidney, Salmonella, pathogenesis, man, case reports 9165
kidney, treatment, antibiotics, man 858
liver association Yersinia pseudotuberculosis ileitis, man 7009
liver, Escherichia coli, Staphylococcus, children 10536
liver, etiology, bacteria, man 4516
liver, man, anaerobic bacteria infection, treatment, syringes aspiration 8059
liver, man, bacteria infection, treatment 8061
liver, man, Brucella 12019
liver, mice, association, Fusobacterium necrophorum infection 9360
liver, neonates, man 961
lung, anaerobic bacteria, treatment, man, case reports 6971
lung, association, Staphylococcus sepsis, man, case reports 7146
mammary gland, Corynebacterium pyogenes, Streptococcus, Staphylococcus, Bacteroides, Clostridium, pigs 5477
mammary gland, Corynebacterium renale, man, case reports 2185
medulla oblongata, association, bacteria infection, case reports, sheep 9350
muscles, Staphylococcus aureus, man, case reports 3506
muscles, tuberculosis, intestine penetration, man, case reports 2274
Mycobacterium chelonei, dogs, case reports 6372.
myocardium, Streptococcus agalactiae, diagnosis, treatment, man, case reports 2234
Nocardia asteroides, immunocompromised hosts Hodgkin's disease, man, case reports 6273
nose septa, complications, dental infection, Staphylococcus, man, case reports 11686
pancreas, man, association septicemia, Haemophilus segnis infection, clinical aspects 8053
penis, association, gonorrhea, treatment, man 2147
pigs, anaerobic bacteria, isolation 8094
pyomyositis, association, gram-negative cocci, man, Thailand 4477
skin, etiology, children 680
Staphylococcus epidermidis intra-abdominal infection, gallium scanning, diagnosis, treatment, man 11988
thyroiditis, Bacteroides corrodens, clinical aspects, case reports, children 13333
tonsil, treatment, children, case surveys 6199
tonsils, man, treatment, tonsillitis 9094
uterus, Brucella canis, dogs, case reports 2340
Absorption,
anotox, hydrogen sulfide, fatty acids, growth inhibitors, Clostridium sporogenes, anaerobic environments 10864
endotoxins, Escherichia coli, intestine, juveniles, pigs, characterization 6020.
endotoxins, intestine, renal insufficiency, association, jaundice, effects on, man 3149
endotoxins, intestine, role, salts, man 3150
rumen, Escherichia coli endotoxins, role mastitis pathogenesis, cattle 11492.
water, diuresis, association, Enterococcus, pyelonephritis, animal models 13197
xylose, leprosy, Mycobacterium leprae, man, clinical aspects 6941.
Absorption spectroscopy,
purple membranes, brown holo-membranes, phase transition, Halobacterium halobium 4784
Rhodopseudomonas sphaeroides, heme c, protoheme, levels 2845
Abundance,
Achromobacter, Myxobacteriales, Pseudomonas, seasonal variations, estuaries, Brazil 1235
bacteria, deep sea 1236
bacteria, pollution effects, zinc 1229
ice, surface microlayers, water column, sediments, bacteria, Arctic Ocean 12162
mycorrhizas, rhizosphere microorganisms, Plantago lanceolata, factors affecting 1161
salt lakes, bacteria, Africa 8227
soil microorganisms, agricultural practices effects on 7322.
soil microorganisms, soil moisture effects on, crop fields 10796
symbionts, factors affecting, Glossina 7291
vitamin B_1, relationship, microorganisms activity, gastrointestinal tract, sheep 3558

Acacia pulchella var.glaberrima,
  growth, nodulation, nitrogen fixation, nutrient dynamics 8200.
Acanthamoeba polyphaga,
  predator-prey interactions, Pseudomonas paucimobilis, batch culture, continuous culture 3680
Acanthamoeba polyphage,
  predator-prey interactions, Pseudomonas paucimobilis, soil moisture effects on 6407
Acanthamoeba royreba,
  interaction, Legionella pneumophila, mixed culture, food sources 13460.
Acanthospermum hispidum,
  little leaf, Mycoplasma-like organisms, pathology 7305.
Acaracides,
  avermectins, Streptomyces 6006.
Acarbase,
  bacteria α-D-glucosidase inhibition, association, disaccharides biodegradation, dental plaque, man 13067.
Acarina,
  vectors, Rocky Mountain spotted fever, Rickettsia, USA, California 1031.
Acceptors,
  electrons, growth, Hyphomicrobium vulgare, strains 12419
  electrons, reaction centers, Prosthecochloris aestuarii 143.
  quinone complex, association, oxidation-reduction potential, photosynthesis, Rhodopseudomonas sphaeroides 8472.
Accessory cells,
  spleen, Streptococcus pneumoniae, purpura, man 2220.
Accumulation,
  Aeromonas hydrophila, hemolysins, proteinase, media 1804.
Acer pseudoplatanus,
  leaves, sulfur air pollution deposition, nutrient sources, Thiobacillus thioparus 7315.
Acer saccharum,
  soil, humic acids, Serratia marcescens, nitrogen, effects on 3724.
Acetaldehyde,
  antibacterial activity, soft rot, Erwinia carotovora, Solanum tuberosum 3657.
Acetamide,
  levels, bacteria cell walls, mass spectroscopy 9589.
2-Acetamido-2-deoxy-D-glucose,
  precursors, cell walls, peptidoglycans, Streptococcus mutans, characterization 6666
Acetaminophen,
  treatment, Haemophilus influenzae meningitis, Streptococcus pneumoniae pneumonia, Staphylococcus cellulitis, man 10588
Acetate,
  butyrate, induction, acetone, butanol production, Clostridium acetobutylicum 5810
  Clostridium thermoautotrophicum sp.nov. biosynthesis 2582.
  effects on, growth, Acinetobacter calcoaceticus, parameters 7469
  membrane biosynthesis, Mycobacterium smegmatis, spheroplasts, cyclic AMP, effects on 2592
  metabolism, Beggiatoa alba 4772.
  metabolism, microorganisms, anaerobic environments, salt marshes 12713.
  nutrient sources, oil, sulfate-reducing bacteria 12394
  oxidation, sulfate-reducing bacteria, sulfate reduction, sediments, salt marshes 3739
  Thiobacillus, growth, culture conditions, limitations 5561.
Acetate kinase,
  inactivation 2,3-butanedione, phenylglyoxal, Escherichia coli 3976.
21-Acetate-3β,17α, 21-trihydroxy-5-pregnenone-20,
  Corynebacterium mediolanum, conversion, cell cycle effects on 12373
Acetic acid,
  biosynthesis, Acetobacter immobilized cells 12692.
  biosynthesis, Eubacterium limosum, use, betaine 4071.
  Escherichia coli, mutants, fadR gene, transport, utilization, glyoxylate shunts 1617
  production, immobilized cells, Acetobacter, oxygen transfer 9815
Acetivibrio cellulolyticus,
  cell surface, ultrastructure 8389.
  cellulolytic enzymes, enzymatic activity 1492.
Acetivibrio celluloyticus,
  growth, sulfur nutrient requirements 12422.
Acetivibrio cellulyticus,
  ± Methanosarcina barkeri, Desulfovibrio, production, methane, carbon dioxide, use, cellulose 3859.
Acetoacetyl-CoA reductase,
  purification, characterization, substrate specificity, Zoogloea ramigera 3960.
Acetobacter,
  immobilized cells, acetic acid biosynthesis 12692.
  immobilized cells, acetic acid production, oxygen transfer 9815.
  incidence, lactic acid utilization, association, pH 10985.
  isolation, Apis mellifera, beehives 12084.
  isolation, media (selective) 7352.
  β-lactam antibiotics biosynthesis, radioactive labelling 8754.
  nutrient requirements, nitrogen 3847.
Acetobacter aceti,
  aldehyde dehydrogenase, purification, characterization 5744
  purification, characterization, endodeoxyribonuclease AatII 12591.
  spheroplasts, membrane structure 4725
Acetobacter aceti subsp.xylinum,
  pellicle, cellulose content, structure 10956
Acetobacter suboxydans,
  immobilization, use, carrageenins gels 179.
Acetobacter xylinum,
  cellulose, mutants, characterization 12789
Acetobacterium wieringae sp.nov.,
  biological properties 12262.
Acetobacterium woodii,
  phylogeny, rRNA 1449.
Acetohydroxamate,
  nitrification, intestinal microflora, rats, guinea-pigs, man, characterization 7468.
Acetohydroxamic acid,
  +penicillin, treatment, pyelonephritis, Corynebacterium renale, rats 4436.
Acetohydroxy acid synthase,
  Escherichia coli, ilv locus, valine, inhibition 8684.
  leucine toxicity, Escherichia coli, leucine resistant mutant, characterization 5757.
Acetoin,
  citrate, induction, Leuconostoc lactis, lactic acid bacteria 2667.
Acetoin dehydrogenase,
  citrate, induction, Leuconostoc lactis, lactic acid bacteria 2667.
α-Acetolactate,
  biosynthesis, Escherichia coli, role threonine dehydratase 12570.
Acetolactate synthase,
  citrate, induction, Leuconostoc lactis, lactic acid bacteria 2667.
Acetone,
  biosynthesis, Clostridium acetobutylicum, pH, butyrate, effects on 8645.
  +butanol biosynthesis, Clostridium acetobutylicum, continuous culture, association, pH, ammonium 11250.
  Clostridium acetobutylicum, production, induction, acetate+butyrate 5810.
  effects on, bactericidal activity, leukocytes (neutrophilic), diabetes mellitus, man 1907.
  effects on, N-nitrosodimethylamine, mutagenesis, in vivo, cell-free system, mice 1603
  inactivation ribosomes, aminoacyl-tRNA synthetase, Escherichia coli 2750.
Acetovibrio cellulolyticus,
  growth, viability, pH, oxygen, effects on 2664.
N-Acetyglucosaminidase,
  mice skeletal muscle, toxins effects on 6860
N-Acetyl glucosamine,
  chemical analysis, cell walls peptidoglycans, bacteria 12705.
N-Acetyl-α-D-neuraminic acid,
  release, Clostridium perfringes, Arthrobacter globiformis, Vibro cholerae, Bifidobacterium, neuraminidase 1532.
3-O-Acetyl-4″-O-isovaleryltylosin,
  ribosomes binding, Staphylococcus aureus 12918.
N-Acetyl-D-glucosamine,
  association, lipopolysaccharides, antigen O, immunochemistry, Proteus mirabilis 8655.
3-(N-Acetyl-N-hydroxyamino)-2(R)-hydroxypropylphosphonic acid,
  Streptomyces rubellomurius, structure 300.
3-(N-Acetyl-N-hydroxyamino)propylphosphonic acid,
  Streptomyces rubellomurius, structure 300.
3-Acetyl-4-hydroxy-6-methyl-2H-thiopyran-2-one,
  derivatives, antimicrobial activity, bacteria 8836.
Acetylcholine,
  release, Clostridium botulinum neurotoxins effects on, role calcium, neuromuscular junctions, frogs 11512.
  transport, Clostridium botulinum, Clostridium tetani toxins effects on, brain, rats 6010.
Acetylcysteine,
  association, carbenicillin, antibacterial activity, Pseudomonas aeruginosa 11398.
Acetylene,
  carbon sources, denitrification, soil properties 13475.
  effects on nitrification, autotrophic bacteria, heterotrophic bacteria 12733.
  inhibition growth, Desulfovibrio desulfuricans, Desulfovibrio gigas, Desulfotomaculum ruminis 10971.
  metabolism, Nocardia rhodochrous 5667.
  reduction, Rhizobium, nitrogenase, Glycine max 5518.
Acetylene reduction,
  Azotobacter vinelandii, nitrogenase activity 12409.
  Medicago sativa, Lupinus mutabilis, nodulation, Rhizobium, semiarid environments 8175.
  nitrogen fixation, forests wetlands, USA, Florida, nitrogenase activity 9462.
  nitrogen fixation, genotyping, plant breeding, Oryza sativa 8163.
  Rhizobium japonicum, nitrogen sources, glutamate 9617.
  use, measuring techniques, nitrogen fixation, bacteria 10865.
N-Acetylglucosaminyl-N-acetylmuramyl-dipeptide,
  isolation peptidoglycans digestion, Proteus mirabilis 2826.
6-O-Acetylglutamate deacetylase,
  Pseudomonas aeruginosa, localization, periplasmic space, purification, characterization 2766.
N-Acetylmuramyl-L-alanyl-D-isoglutamine,
  analogs, association mice disease resistance, Candida albicans, immunostimulation 6118.
  analogs, immunostimulation, macrophages, protection, Pseudomonas aeruginosa, mice 6251.
N-Acetylneuraminic acid,
  derivatives, induction, Arthrobacter sialophilus neuraminidase 12606
  neuraminidase, enzyme kinetics, bacteria 1527.
z-Acetylpyridine thiosemicarbazones,
  derivatives, antibacterial activity, Mycobacterium, kinetics, in vitro, assays 1775.
O-Acetylserine sulfhydrylase,
  Salmonella typhimurium, role, azides mutagens, biosynthesis, characterization 2816.
Acetylspiramycin,
  treatment, pneumonia, Mycoplasma, children 760.
  treatment, pneumonia, Mycoplasma, children 762.
Acetylvalyl-tRNA,
  Escherichia coli, cross-linking rRNA 18S, ribosomes Saccharomyces cerevisiae, chloroplasts Spinacia oleracea, structure determination 9685.
Achoea janata,
  larvae, body weight, hemolymph, pathogens, Bacillus thuringiensis 4599.
  susceptibility, pathogenicity, Bacillus thuringiensis 9384.
Acholeplasma,
  association, genital tract infection, man 2064.
  infection, cattle, reviews 6364.
  isolation, horses feces 9359.
  mycoplasmosis, cattle genital diseases, reviews 6365.
  mycoplasmosis, domestic animals 10685.
  nucleotide sequence, comparison, Mycoplasma 1432.
  phages, lysis, morphology, taxonomy 9853.
  plants isolates, DNA analysis 2702.
Acholeplasma equifetale,
  isolation, horses feces 9359.
Acholeplasma granularum,
  infection, immunodiagnosis, pigs 8116.
Acholeplasma hippikon,
  isolation, horses feces 9359.

- **leplasma laidlawaii,**
  - ding, membrane fusion, lymphocytes, rats 8992
- **leplasma laidlawii,**
  - oplasm, isolation proteins, characterization 1467
  - ection, autoradiography, cell culture 1282
  - eze-fracture, ultrastructure comparison, Mycoplasmatales virus-laidlawii 8362.
  - ection, immunodiagnosis, pigs 8116.
  - ection, phage L2, gene mapping, restriction-modification 12768.
  - lation characterization, cattle fetuses 6347
  - lation, genitourinary tract, sheep, British Isles 7278
  - lation, Giraffa camelopardalis rothschildi, Ovis musimon, characterization 6360
  - dia (culture) 9516.
  - mbrane structure, Mycoplasmatales virus-laidlawii release budding 8715.
  - mbrane structure, myristic acid, lipid structure 8364.
  - mbranes, lipids phase transition, I.R. spectroscopy 8380.
  - bility, antibodies, cell surface 12285
  - ycoplasmatales virus-laidawii 3 infection, effects on cell membranes structure 4992.
  - age L3 adsorption 4991
  - ages release, induction, mitomycin C 4989
  - otein composition characterization+lipid membranes extraction 7631.
  - Rauscher leukemia virus, mixed infection, mice, spleen lymphocytes activity 11622.
- **romobacter,**
  - undance, seasonal variations, estuaries, Brazil 1235.
  - otin, biosynthesis, precursors 8482
  - thogenicity effects on, Beta vulgaris crop production 13451.
  - izosphere microorganisms, pathogenicity, Beta vulgaris crops, identification, characterization 6431.
- **romobacter cycloclastes,**
  - -lysine biosynthesis 7528
- **romobacter delicatulus,**
  - aching, mineralization, potassium, phosphorus, soils (volcanic) 13489
- **romobacter lyticus,**
  - roteinase I, purification, physicochemical properties, kinetics 3980
  - roteinase I substrate specificity 3970
- **romobacter obae sp.nov.,**
  - -lysine biosynthesis 7528
- **romobacter parvulus,**
  - ormate dehydrogenase, substrates, S-formyl glutathione 8611.
- **romobacter xylosidians,**
  - haracterization, association pneumonia 6179
- **romobacter xylosoxidans,**
  - acteremia, epidemiology, hospitals, nuclear medicine 7106.
  - xperimental infection, immunity (cell-mediated), immunocompromised hosts, mice 8963.
  - tolaryngeal infection, man, antibiotics treatment 10323.
  - ostoperative infection, man, association, aorta, prosthetics 5444
- **id phosphatase,**
  - activity, mice, Staphylococcus infection, antibiotics treatment effects on 10668
  - Lactuca sativa, activity, Arthrobacter hormones effects on 8650
  - mice skeletal muscle, toxins effects on 6860
  - Mycobacterium, activity, fluorescence tests, role 4-methylumbelliferone 8272
  - Pseudomonas aeruginosa, Pseudomonas maltophilia, phosphate, regulation, activity 12669.
- **id production,**
  - bacteria, glucose metabolism, anaerobic conditions, N.M.R. 4070
  - bacteria, metabolism, glucose feedback inhibition, digestion (anaerobic) 8444.
  - dental plaque, man, maltitol, maltotriitol, effects on 13113.
  - dental plaque, saliva, hypothiocyanite, effects on, man 722.
  - Enterobacteriaceae, media (culture) 9517.
  - kinetics, Streptococcus mutans, fermentation, sucrose 2832
  - Lactobacillus bulgaricus, growth factors effects on 12693.
  - palatinit, sugar comparison, Streptococcus, oral microflora 7968
  - Streptococcus mutans, arginine effects on 4768.
  - Streptococcus mutans, fluoride inhibition, in vitro 8629.
  - Streptococcus mutans, Streptococcus sanguis, sodium, potassium, effects on 5812.
  - Streptomyces, association humic acids biodegradation 12384.
  - waste water, mines, industrial effluents, pollution sources, Thiobacillus ferrooxidans 9642
- **cid rain,**
  - effects on Rhizobium nodulation, Phaseolus vulgaris, Glycine max 1207.
  - effects on soil nutrients, bacteria roots infection, wetwood, dieback, Abies alba 10756
  - pollution effects, nitrogen cycle, nitrogen-fixing bacteria, leaf litter decomposition, forests 10790
  - pollution effects, soil properties, soil microorganisms, nitrification, forests 7316.
- **Acid-fast bacteria,**
  - detection, sarcoidosis, association, scleroderma, man 987
- **Acid-fast stain,**
  - methodology, bacteria, histology 8271.
- **Acid-fast staining,**
  - sputum smears, microscopy, Mycobacterium tuberculosis 4662.
- **Acidaminococcus fermentans,**
  - glutaconate CoA-transferase, purification, characterization 2806.
  - isolation cow's milk, identification, triacylglycerol lipase characterization 6471.
- **Acidity,**
  - soil, symbiosis, Rhizobium, Glycine max, factors affecting 2437.
- **Acidogenic bacteria,**
  - sediments, aquatic 3742.
- **Acidophilic bacteria,**
  - coal sulfur leaching 10979.
  - enumeration, milk, media (culture), methodology 3773.
- **Acidosis,**
  - lactic acid, diagnosis, treatment, microflora, case reports, gastrointestinal tract, man 13070.
  - role amino acids solutions treatment, septicemia, man 13282.
- **Acids,**
  - aromatic compounds, oxidation, Pseudomonas aeruginosa, association DDT biodegradation 12391.
  - Bacillus subtilis, induction DNA injuries, association, spore germination, DNA repair 7500.
  - bile, transformation, Clostridium perfringens, in vitro 3863.
- **Acids, (continued)**
  - Clostridium difficile, characterization, gas chromatography 4068.
  - hydrolysis, antigens isolation, Leptospira interrogans ser.kremastos 10161.
  - induction DNA injuries, Bacillus subtilis spores 7499
  - +potassium sorbate, effects on bacteria, food isolates, in vitro 3082.
- **Acinetobacter,**
  - adherence, glass, Enteromorpha linza 4731.
  - animal isolates, identification methodology 9562.
  - antibacterial activity, cefodizime 6809
  - antibacterial activity, cefoperazone 9970.
  - antibacterial activity, moxalactam, in vitro 326.
  - antibiotic MK0787, antibacterial activity, β-lactam antibiotics 7783.
  - antibiotics activity, 7-hydroxytropolon 6773
  - benzoic acid, metabolism, anaerobic conditions 102.
  - biodegradation organic matter, brackishwater environment 5638.
  - biodegradation, toxicity, aromatic compounds 3854.
  - clinical isolates, antibacterial activity, ceftazidime 5066.
  - clinical isolates, antibacterial activity, ceftazidime comparison cephalosporin antibiotics 5068
  - clinical isolates, antibacterial activity, mezlocillin 12894.
  - clinical isolates, antibacterial activity, rocephin 5060
  - clinical isolates, cefoperazone, antibiotic sensitivity testing 11375.
  - clinical isolates, ceftazidime, antibacterial activity 5077.
  - cytochrome P-450, detection, growth, n-hexadecane 141.
  - effects on limonin biodegradation, bitterness, orange juice 2660.
  - electron transport chain, phosphorylation, role, cytochrome o, cytochrome d 2688
  - electron transport chain, quinones specificity 9666.
  - etiology, pathogenesis, pneumonia, man 4381.
  - N-formimidoyl thienamycin, comparison, β-lactam antibiotics, antibacterial activity 9962.
  - halophilic bacteria, marine environment 5546.
  - isolation, nosocomial environments 10821
  - microflora, Biomphalaria glabrata 5493
  - +Moraxella colonies, sodium phosphate, sodium chloride, effects on 5127.
  - Norflaxacin, antibacterial activity, comparison, chemotherapeutics, oral administration 9982.
  - nosocomial infection, hand, personnel, hospitals, man 3515.
  - oil biodegradation, USSR rivers 13516.
  - plasmids, relationship, PCB biodegradation 12368
  - radioresistance, beef sterilization 5146.
  - septicemia, cefoperazone, clinical trials, man 8050.
- **Acinetobacter anitoratus,**
  - otolaryngeal infection, man, antibiotics treatment 10323.
- **Acinetobacter calcoaceticus,**
  - antibacterial activity, cefotiam 6800.
  - antibiotic resistance, spectinomycin, inactivation 4192.
  - antibiotic sensitivity testing, cephalosporins 12920.
  - bacteremia, nosocomial infection, clinical aspects, man 12025.
  - biosynthesis, penicillinase, inhibition, sulbactam, antibiotic synergism, mice 361
  - ceftizoxime, antibacterial activity, in vitro 328.
  - ceftriaxone antibacterial activity 7789.
  - comparison, Rhodopseudomonas acidophila, alcohol dehydrogenase ($NAD(P)^+$), specificity 7602
  - conjunctivitis, drug sensitivity testing, man 7149
  - emulsan biosynthesis, association, chloramphenicol 12697
  - emulsifiers biosynthesis, characterization 8646.
  - growth, parameters, acetate, ethanol, effects on 7469.
  - growth, role, adherence, hexadecane media (culture) 1337.
  - identification, AutoMicrobic test 3801
  - nosocomial infection, incidence, antibiotic resistance, man, hospitals 2079.
  - oxidation, 3-chlorobenzoate, physiology 10988
  - pAV2 plasmid, inhibition, pAV1 plasmid 5878.
  - pili, role, adherence, hexadecane, biodegradation 12301.
  - plasmid pAV2, inhibition, transfer, plasmid RP4, plasmid R388 5882.
  - transfer, plasmid RP4, Escherichia coli, phage Mu, role, characterization 5852
- **Acinetobacter calcoaceticus subsp.anitratum,**
  - antibiotic resistance, association, transposons, plasmid RP4 9988.
- **Acinetobacter calcoaceticus var. anitratus,**
  - man, pneumonia, characterization, case reports 7976.
- **Acinetobacter calcoaceticus var. antiratus,**
  - infection, man, meningitis, case reports 11833.
- **Acinetobacter calcoaceticus var. lwoffi,**
  - infection, association, pneumonia, clinical aspects, treatment, case reports, Pongo pygmaeus 12061.
- **Acinetobacter calcoaceticus var.anitratus,**
  - bacteremia, nosocomial infection, clinical aspects, man 12025
  - meningitis, neonates, man, case report 13214
  - peritonitis, nosocomial infection, dialysis, man, case reports 7124.
- **Acinetobacter calcoaceticus var.lwoffi,**
  - bacteremia, nosocomial infection, clinical aspects, man 12025
- **Aclacinomycin,**
  - Streptomyces galilaeus, biosynthesis 2992.
- **Aclacinomycin A,**
  - derivatives, Streptomyces galilaeus mutants, biosynthesis, structure 4146.
  - Streptomyces galilaeus, biosynthesis pathway 2963.
- **Acne,**
  - association, androgens abnormalities, man, females 681.
  - association, antigen-antibody complexes serum levels, man 6943.
  - association, arthritis, man, case reports 9077.
  - association, immunodeficiency, immunity (cell-mediated), treatment, levamisole, children, case reports 1926.
  - bacteria, measuring techniques, man 13081.
  - bacteria, pathogenesis, treatment, adolescence 11678.
  - bacteria, treatment, man 1928
  - bacteriology, pathology, immune response, man, reviews 4360.
  - Corynebacterium acnes, treatment, benzoyl peroxide 695.
  - disseminated infection, man, case reports 3288.
  - incidence, man, Ethiopia 6940.
  - man, clindamycin treatment 11661.
  - man, treatment, topical applications, erythromycin 11662.
  - Propionibacterium acnes, Keratinization, man 4365.
  - Propionibacterium acnes, Staphylococcus epidermidis, treatment, adolescence 11677.
  - Propionibacterium acnes, tetracycline, minocycline, effects on, skin lipids, man 13082

Acne, (continued)
Propionibacterium acnes, treatment, antibiotics, man 10296.
Propionibacterium acnes, treatment, erythromycin, antibacterial activity, man 1927.
Propionibacterium acnes, treatment, retinol+α-tocopherol, man 1938.
salicylic acid treatment, man 10291.
skin lipids 5268.
Streptococcus, Staphylococcus, Escherichia coli, treatment, doxycycline, man 1942.
temperature effects, treatment, man 1939.
treatment, Actinac, topical application, man 3282.
treatment, benzoyl peroxide± Buf-Puf, man 3285.
treatment, benzoyl peroxide, man 677.
treatment, benzoyl peroxide, man 1943.
treatment benzoyl peroxide, man 6149.
treatment, clindamycin, man, clinical trials 5275.
treatment, cyproteronacetate, man 5270.
treatment, erythromycin, man 683.
treatment, erythromycin, man 1937
treatment, erythromycin topical application, man 3283.
treatment, etiology, man, reviews 5269.
treatment, man, reviews 11665.
treatment, pyridoxine+antibiotics+immunotherapy, clinical trials, man 3272.
treatment, retinoic acid derivatives, topical application, man 1933.
treatment, retinol, man 5274.
treatment, tetracycline, man 678.
treatment, topical application, tetracycline, clindamycin, man 682.
treatment, zinc, copper, magnesium, efficacy 1945.
treatment, 13-cis-retinoic acid, man 1948.
Aconitate hydratase,
activity, Bacillus cereus, relationship, iron uptake 4766.
Acquisition,
temperature effects, Proteus vulgaris, temperature effects 1386.
Acridine,
dyes, effects on, Streptomyces, antibiotics biosynthesis 11363.
+U.V. radiation, effects on Escherichia coli repair mechanisms 5982.
Acridine orange,
analysis Streptomyces fradiae plasmids, neomycin biosynthesis 11317.
Bacillus subtilis sporulation inhibition 7419.
Escherichia coli rRNA conformational analysis 3909.
immunofluorescence, identification, bacteria 12239.
staining, bacteria, cerebrospinal fluid, detection, man 2112.
treatment, Vibrio cholerae, antibiotic resistance, polymyxin, plasmids 8741.
Acriflavin,
effects on, Bacillus subtilis, Bacillus megaterium, spores, viability, heat resistance 3093.
Escherichia coli sensitivity, liquid culture, effects on photoinduction damage repair mechanisms 7866.
Acriflavine,
treatment, Vibrio cholerae, antibiotic resistance, polymyxin, plasmids 8741.
Acrosoxacin,
antibiotic resistance, Neisseria gonorrhoeae, clinical isolates 8796.
Actinobacilli,
dental plaque, rats, trace elements, drinking water, effects on 732.
Actinobacillus,
animal isolates, biochemical analysis, electrophoresis 8325.
animals isolates, identification, API test 1296.
fatty acid composition, protein composition, clinical isolates 6678.
identification, API test 1303.
poultry, isolates, taxonomy, morphology, cultural characteristics, biochemical characteristics 7395.
Actinobacillus actinomycetemcomitans,
antibodies, levels, periodontitis, man 598.
cell adhesion, hydroxyapatite, association saliva, tetracycline effects on 8401.
endocarditis, association, periodontal diseases, children, case reports 5366.
endocarditis, heart pathology, treatment, ampicillin, tobramycin, man, case reports 2183.
endocarditis, man 2221.
fatty acid composition, protein composition, clinical isolates 6678.
inhibition, oral microflora, periodontitis, man 9084.
media (selective), periodontitis incidence, juveniles, man 6155.
periodontal diseases, antibodies, serum levels, juveniles, adolescents 6915.
toxins, leukocytes (polymorphonuclear) cytotoxicity, man 3148.
toxins, toxicity, leukocytes (polymorphonuclear), role periodontitis, man 5171.
ultrasound effects on 715.
Actinobacillus actinomycetumcomitans,
septicemia, man, case reports 11901.
Actinobacillus lignieresii,
infection, bites, horses, clinical aspects, man 6274.
lymphangitis, media (isolation), identification, cattle 12260.
Actinobifida chromogena,
taxonomic revision, menaquinone association, Thermomonospora 12251.
Actinoidine,
structure 11371
Actinomadura,
D-alanyl-D-alanine proteinase, amino acid sequence 4914.
antigenic characteristics, immunodiffusion, Nocardia, Nocardiopsis, taxonomic significance 1294.
penicillinase, purification, characterization 4915.
species taxonomic revision, Nocardiopsis 10912.
transformation, L form 10951.
Actinomadura africana,
taxonomic revision, Nocardiopsis 10912
Actinomadura azurea sp.nov,
cationomycin, biosynthesis, structure 2966.
Actinomadura carminata,
bleomycin mutagenesis 7651.
Actinomadura coeruleofusca,
taxonomic revision, Nocardiopsis 10912.
Actinomadura flava,
taxonomic revision, Nocardiopsis 10912.
Actinomadura fulvescens sp.nov.,
characterization, antagonism, Actinomadura turkmeniaca sp.nov. 13461.
Actinomadura kijaniata sp.nov.,
characterization, antibiotics biosynthesis, isolation, soil, Africa 8300.
kijanimicin, antibiotics, biosynthesis, antibacterial activity, characterization
Actinomadura kijaniata sp.nov., (continued)
2986.
Actinomadura longispora,
taxonomic revision, Nocardiopsis 10912.
Actinomadura madurae,
infection, man, maduromycosis, drugs treatment, case reports 10287.
maduromycosis, pathology, treatment, man 10475.
Actinomadura pelletieri,
maduromycosis, pathology, treatment, man, Senegal 2193.
Actinomadura polychroma sp.nov.,
morphology 10932.
Actinomadura roseoviolacea var.biwakoensis,
biosynthesis, rubeomycin, antibacterial activity, gram-positive bacteria 4159.
Actinomadura roseoviolacea var.biwakoensis var.nov.,
rubeomycin, biosynthesis, antibacterial activity, antitumor activity 3004.
Actinomadura turkmeniaca sp.nov.,
characterization, antagonism, Actinomadura fulvescens sp.nov. 13461.
Actinomadura umbrina sp.nov.,
morphology 10932.
Actinomyces,
actinomycosis, thorax, vertebrae, clinical aspects, treatment, diagnosis, dogs 2392.
anaerobic microorganisms, osteomyelitis, clinical aspects, case reports, dogs 10715.
association, intrauterine devices, man, case reports 2070.
association, otitis media, man 2004.
dental plaque microflora, man, New Zealand 725.
enumeration, identification, dental plaque, children 13075.
factors affecting bioluminescence 12740.
identification, association, antibiotic sensitivity testing, methodology 9557.
infection, dogs, osteomyelitis, case reports 12053.
infection, immunocompromised hosts, reviews 6253.
infection, Ondatra zibethica 13400.
oral cavity isolates, inhibition growth, HeLa cells 8895.
tonsil infection, histopathology, man 10318.
USA, Illinois collections, taxonomic revision 9576.
Actinomyces flavus,
1,5-benzodiazocine-2-nones, transformation, 2-(acylamino-R-propyionylamido)-benzophenones 4091.
Actinomyces globisporus,
actinoxanthine, structure, X-ray crystallography 8519.
Actinomyces griseinus,
β-glucanase isolation 12596.
Actinomyces israelii,
abscesses, pelvic inflammatory disease, association, intrauterine devices, genital tract, man 2052.
actinomycosis, association, intrauterine devices, man, case reports 7050.
actinomycosis, case reports, man 9247.
actinomycosis, fibrosis, lung, man 2001.
actinomycosis, rectum, case reports, man 810.
actinomycosis, urinary bladder, pathology, case reports, man 10412.
dental infection, man 5279.
infection, cervix, intrauterine devices, association, man, case reports 2058.
infection, diagnosis, brain, respiratory tract, gastrointestinal tract, genitourinary tract, man 4440.
infection gallbladder man, identification 6475.
isolation, incidence, pathology, cervix, association, intrauterine devices, man 7054.
uterus infection, man, case reports 863.
vagina infection, relationship intrauterine devices, man 13187.
Actinomyces like bacteria,
association, intrauterine devices, man, case reports 2083.
Actinomyces naeslundii,
adherence, hydroxyapatite, role, pili 67.
dental infection, man 5279.
dental plaque, detection, enumeration, media (selective) 3755.
detection, Macaca fascicularis dental plaque, use, fluorescent antibody test 12042.
extracts, effects on epithelium keratinocytes 11683.
population composition, dental plaque, Macaca fascicularis 2345.
vagina infection, relationship intrauterine devices, man 13187.
Actinomyces odontolyticus,
dental infection, man 5279.
Actinomyces rimosus,
antibiotic resistance, tetracycline, in vitro 381.
Actinomyces roseochromogenes,
1,5-benzodiazocine-2-nones, transformation, 2-(acylamino-R-propyionylamido)-benzophenones 4091.
Actinomyces viscosus,
adherence, hydroxyapatite, role, pili 67.
aggregation, bradophen effects on 1956.
antibiosis, Streptococcus mutans, bacteriocins 1154.
cell adhesion, hydroxyapatite, association saliva, tetracycline effects on 8401.
dental caries, fluoride effects on, animal models 6158.
dental infection, man 5279.
dental plaque, detection, enumeration, media (selective) 3755.
dental pulp collagen, biodegradation, 3841.
detection, Macaca fascicularis dental plaque, use, fluorescent antibody test 12042.
fibrils, purification, characterization, antigenic characteristics, 516.
growth, adherence, teeth, gnotobiotics (germfree), rats 4593.
labelling, immunoelectron microscopy, methodology, characterization 11532.
levansucrase biosynthesis, antibiotics effects on 8619.
oral infection, immune response, animal models, mice 6083.
periodontitis, lymphocytes T suppression, cyclosporin A effects on, rats 6103.
pili, lectins, detection, monoclonal antibodies 3169.
polysaccharides biosynthesis, fluoride, lithium, strontium, effects on 223.
population composition, dental plaque, Macaca fascicularis 2345.
rats dental caries, urea peroxide treatment 13375.
Streptococcus mutans, interaction effects on colonization rates, dental plaque, rats 11012.
ultrasound effects on 715.
Actinomycetes,
antibiotics, secondary metabolism, role survival 11341.
bleomycetin biosynthesis, selection, mutagenesis 12868.
dental plaque, rats, trace elements, drinking water, effects on 732.

- **omycetes, (continued)**
  - ects on metals workers, association antibody response 6067
  - owth, heliomycin biosynthesis 11372.
  - y spoilage, ammonia, antibacterial activity 6835.
  - ection, clinical aspects, man 9303
  - fection, thorax, man 9122.
  - nin biodegradation, association, carbon cycle, reviews 12361.
  - ycelia differentiation, sporulation, regulation 10974
  - trogen-fixing bacteria, soil incidence, association Alnus incana 12126.
  - dulation, Hippophae rhamnoides subsp.rhamnoides, growth, succession, dunes 4638.
  - dules, incidence, Angiospermae, Pakistan 1217
  - anosine, structure, purification 3040.
  - rasitism, Fusarium oxysporum f.sp.albedinis 6406.
  - thogens, aerobic bacteria, clinical aspects, identification 11956.
  - gments biosynthesis, humus like 12497.
  - rotozoa, opportunistic infection, cervix, intrauterine devices, detection, Gram stain, man 3385.
  - colonization, succession, fires, Pinus kesiya, forests 10802.
  - spiratory tract infection, man, case reports 11749
  - izosphere microorganisms, antagonism, Fusarium wilt, Lycopersicon esculentum, Citrullus lanatus 13469
  - ole, odors production, eutrophic environment, Finland lakes 12181
  - and aggregation, role dune stabilization 9479
  - etamycin, biosynthesis, antibacterial activity, antifungal activity 2984.
  - etamycin, biosynthesis, characterization 9912.
  - oil microorganisms, biosynthesis, methylisoborneol, carboxymethylisoborneol, soil 1579
  - oil microorganisms, enumeration, isolation, media (selective)+rifampicin 2514.
  - oil microorganisms, incidence, population dynamics, media (selective) 8194.
  - oil microorganisms, species diversity, agricultural land, New Zealand 1210.
  - oil microorganisms, vorlex, linuron, antimicrobial activity, resistance 431.
  - ulfolipids, incidence, characterization 9803
  - ymbiosis, Colletia, roots nodules, characterization 9435
  - axonomy 8312
  - axonomy 9532
  - axonomy, phylogeny 4709
- **tinomycin,**
  - Streptomyces antibioticus, biosynthesis, antibiotic resistance, role, plasmids 5896.
- **tinomycin D,**
  - binding, lipopolysaccharides, spectroscopy, Agrobacterium tumefaciens 12699.
  - biosynthesis regulation, association, tryptophan 2,3-dioxygenase, Streptomyces parvullus 9920.
  - Escherichia coli, growth, susceptibility 12909
  - Gluconobacter oxydans, effects on levansucrase biosynthesis 12617.
- **tinomycosis,**
  - Actinomyces israelii, association, intrauterine devices, man, case reports 7050.
  - association, intrauterine devices, clinical aspects, case reports, man 6224.
  - case reports, man 9247
  - differential diagnosis, clinical aspects, man 897
  - fibrosis, lung, man 2001
  - rectum, case reports, man, Actinomyces israelii 810.
  - thorax, vertebrae, clinical aspects, treatment, diagnosis, dogs 2392
- **ctinoplanes,**
  - isolation, soil, drying, ecological distribution 9481
  - species characterization, cultural characteristics 8456.
- **ctinoxanthine,**
  - structure, X-ray crystallography, Actinomyces globisporus 8519.
- **ctivated sludge,**
  - bacteria, growth, stoichiometry, models 2644.
  - bacteria, isolation, characterization 46
  - filamentous microorganisms, staining, malachite green+2(p-iodophenyl)-3-(p-nitrophenyl)-5-pheryl tetrazolium chloride, observation methods 5568
  - flocculation, flocculants, bacteria biosynthesis 7633.
  - isolates, Cellulomonas, Pseudomonas, cellulolytic bacteria, enumeration 3792.
  - nitrification, Nitrosomonas, Nitrobacter, copper, effects on 8184.
- **ctivation,**
  - complement alternative pathway, Bacteroides fragilis, in vitro 540.
  - complement alternative pathway, opsonization, Staphylococcus aureus, role, protein A 4269.
  - complement alternative pathway, Propionibacterium acnes, man 533.
  - complement, antibacterial activity, association, immunoglobulin G, immunoglobulin M, Mycoplasma bovis infection, cattle 9012.
  - complement C3b, alternative pathway, Streptococcus pneumoniae, cell walls, polymers, teichoic acids 3186.
  - 3':5'-cyclic-nucleotide phosphodiesterase, kinetics, Escherichia coli 1508.
  - enzymes, nitrogenase, isolation, characterization, 2774.
  - Escherichia coli β-D-galactosidase, role monoclonal antibodies 9783.
  - lymphocytes B, Pseudomonas aeruginosa infection, mice 4314.
- **Active sites,**
  - amino acid sequence, dihydrolipoamide reductase (NAD+), Bacillus stearothermophilus 9743.
  - amino acid sequence, penicillinase, chromosomes, Pseudomonas aeruginosa, Escherichia coli 9744
  - characterization, adenosinetriphosphatase, chemical modification, Escherichia coli 7616.
  - characterization, alkane 1-monooxygenase, hydroxystearates competition inhibition, Bacillus megaterium 6656.
  - Clostridium histolyticum, collagenase 11156.
  - cysteine, L-aspartic-β-semialdehyde affinity labelling, aspartate ammonia-lyase, Escherichia coli 6639.
  - phenylalanine, affinity labelling, phenylalanyl-tRNA synthetase, Escherichia coli 9758
  - Pseudomonas testosteroni steroid Δ-isomerase, amino acid sequence, inactivation 5,10-secoestr-5-yne-3,10,17-trione 6664.
  - ribulosebisphosphate carboxylase, chemical modification, diethyl pyrocarbonate, Rhodospirillum rubrum 7571.
  - role arginine, aspartate carbamoyltransferase, ornithine carbamoyltransferase, Escherichia coli 4044
  - role lysine, histidinol dehydrogenase, Salmonella typhimurium 3962.
- **Active transport,**
  - α-aminoisobutyric acid, sodium, efflux, Chromatium vinosum 3815.
  - Azotobacter vinelandii, ammonium, methylammonium, kinetics 2613.
  - dihydrostreptomycin effects on, membrane vesicles, bacteria 9581.
- **Active transport, (continued)**
  - tetracycline, Escherichia coli, membrane vesicles, characterization 2580.
  - Thiobacillus thioparus, amino acids, kinetics 2611
  - Thiobacillus thioparus, amino acids, kinetics, regulation 2605
- **Activity,**
  - comparison, cellulolytic microorganisms, endo-1,3-β-D-xylanase, exo-1,4-β-D-xylosidase, Cellulomonas 8620.
- **Activity patterns,**
  - Clostridium tetani, toxins, experimental infection, cerebellum, spinal cord, rabbits 485.
- **Acupuncture,**
  - association, septicemia, Staphylococcus, case reports, man 10565.
- **Acute lymphatic leukemia,**
  - effects on, dental caries, oral hygiene, children 1967.
- **Acute lymphocytic leukemia,**
  - Bacteroides corrodens endocarditis, man, case reports 5415.
- **Acute miliary tuberculosis,**
  - Mycobacterium tuberculosis, man 9274.
- **Acute myeloid leukemia,**
  - man, association tetanus, case reports 8077.
- **Acute nonlymphocytic leukemia,**
  - surveillance, gram-negative bacilli, epidemiology, bacteremia, man 11920.
- **Acute toxicity,**
  - endotoxins, Salmonella, α-tocopherol effects on, mice 6009.
  - Escherichia coli enterotoxins, gastrointestinal tract, calcium, quinacrine hydrochloride, zomepirac sodium effects on, mice 6023.
- **Acyl-CoA carboxylase,**
  - Propionibacterium shermanii, characterization, isolation 2792.
- **Acyl-CoA dehydrogenase (NADP+),**
  - purification, characterization, Escherichia coli 11201
  - purification, Escherichia coli 11144.
- **Acyl-CoA synthetase,**
  - purification, characterization, Escherichia coli 4853.
- **2-(Acylamino-R-propyionylamido)-benzophenones,**
  - 1,5-benzodiazocine-2-nones transformation, Actinomyces roseochromogenes, Actinomyces flavus, Streptoverticillium cinamoneum 4091.
- **N-Acylaminopropylammonium,**
  - salts, synthesis, bactericidal activity 428.
- **N-Acylphosphatidylserine,**
  - Rhodopseudomonas sphaeroides, purification, characterizaton 7628.
- **Adaptability,**
  - Lactobacillus delbrueckii cell culture, temperature effects on 7425.
- **Adaptations,**
  - saprophytes, bacteria, sewage, sea water 2477.
- **Adaptogens,**
  - ± antibiotics, treatment, dysentery, enterocolitis, children 10362.
- **Addicts,**
  - heroin, endocarditis, Staphylococcus aureus, diagnosis, treatment, man, case reports 2205
  - narcotics, endocarditis, clinical aspects, treatment, geographical variations, man 2323.
- **Additives,**
  - food, Bacillus subtilis, effects on intestinal microflora, pigs 12041.
- **Adducts,**
  - DNA, Salmonella typhimurium, formation, 1-nitropyrene, reduction, effects on 1436.
- **Adenine,**
  - Bacillus subtilis, metabolism, growth kinetics, chemostat culture 5669.
  - dimethylation, Streptomyces erythraeus, association erythromycin antibiotic resistance 12935
  - dimethylation, Streptomyces erythraeus, association erythromycin antibiotic resistance 12935
  - toxicity, Escherichia coli, mechanisms 6528
- **Adenine nucleotides,**
  - metabolism, bacteria, heterotrophs, aquatic organisms 9812
  - transport, role 5'-nucleotidase, Vibrio costicola 8377.
- **Adenocarcinoma,**
  - surgery, association, endocarditis, Streptococcus bovis, man, case reports 7173.
- **Adenoid,**
  - infection, man, otitis media, treatment, adenoidectomy 10334
  - relationship respiratory tract infection, children 9097
  - tuberculosis, pathology, man 1978.
- **Adenoidectomy,**
  - treatment, otitis media, man, association, adenoid infection, bacteria 10334.
- **Adenosine,**
  - release, association, population density, Myxococcus xanthus, relationship, fruit bodies formation 1361.
- **Adenosine deaminase,**
  - cerebrospinal fluid, man, meningitis, Mycobacterium tuberculosis, immunity (cell-mediated) 4318.
- **Adenosine phosphorylase,**
  - use, detection, Mycoplasma, infection, mammalian cells 11137.
- **Adenosinetriphosphatase,**
  - activation, nucleotides binding, magnesium effects on, chromatophores, Rhodospirillum rubrum 6554.
  - activation, protonmotive force, ADP binding, chromatophores, Rhodospirillum rubrum 6553.
  - active sites characterization, chemical modification, Escherichia coli 7616.
  - activity, membranes, Ureaplasma urealyticum 12670
  - activity, role zinc, chelating agents, metals ions effects on, Micrococcus luteus 4060
  - activity, termination factor rho, pyrophosphate effects on, Escherichia coli 9683.
  - association, microorganisms nitrogen fixation, reviews 9454.
  - deficient mutant effects on protons gradients, vesicles, Escherichia coli 6506.
  - deficient mutant, Escherichia coli, arsenate resistance, plasmid R773 12960
  - Escherichia coli, α-subunit, structure 8594.
  - Escherichia coli, affinity labelling, ADP, ATP 1554.
  - Escherichia coli, characterization 4854.
  - Escherichia coli, protein biosynthesis regulation 12638.
  - Escherichia coli, subunit structure, alleles effects on, characterization 1589.
  - genes, DNA nucleotide sequence, Escherichia coli 8666.
  - N,N-dicyclohexylcarbodiimide solution, structure, X-ray scattering, Escherichia coli 6647.
  - protons pumps, characterization, genetics, reviews, bacteria 5751.
  - Pseudomonas aeruginosa, Pseudomonas maltophilia, phosphate, regulation, activity

Adenosinetriphosphatase, (continued)
12669.
  purification, characterization, Escherichia coli 2748.
  purification, characterization, temperature effects on, Bacillus stearothermophilus 6652.
  reconstitution, light scattering, Escherichia coli 6651.
  role, energy transduction, Chlorobium limicola 12321.
  role oxidative phosphorylation, Escherichia coli 12470.
  role subunits protons uptake, ATP biosynthesis, chromatophores. Rhodospirillum rubrum 6557.
  Streptococcus faecalis, sodium pumps 9597.
  α-subunit, defective mutant, subunits interaction, Escherichia coli 4859.
  δ-subunit genes, nucleotide sequence, DNA, loci, gene mapping, Escherichia coli 11054.
  γ-subunit, physicochemical properties, interaction ϵ-subunit, Escherichia coli 8554.
  subunit structure, X-ray scattering, Escherichia coli 4061.
  subunits, characterization, thermophilic bacteria 6654.
  subunits, Escherichia coli 11204
  subunits, genes, DNA nucleotide sequence, Escherichia coli 6722
  subunits, genes, DNA nucleotide sequence, predictions amino acid sequence, secondary structure, Escherichia coli 6721.
  subunits, Micrococcus luteus, antigenicity, immunochemistry 5766.
  subunits, purification, characterization, Escherichia coli 11170.
  subunits, purification, characterization, Escherichia coli 11186.
  subunits stoichiometry, Escherichia coli 8564.
  vanadic acid inhibition, membrane vesicles, Mycobacterium phlei 3967.
Adenosinetriphosphate,
  uptake, bacterioplankton, USA, coastal waters 6530.
S-Adenosyl-L-methionine:macrocin O-methyltransferase,
  Streptomyces fradiae, mutants, tylosin biosynthesis, characterization, assays 2755.
Adenosylcobalamin,
  conversion, Protaminobacter ruber 150.
Adenovirus (canine) 2,
  +parainfluenza virus+Bordetella bronchiseptica, combined vaccines, treatment, kennel cough, dogs 4345
Adenovirus (ovine),
  ± Pasteurella haemolytica, mixed infection, sheep juveniles, pathogenesis 12075
Adenyl-(3',5')-uridine 3'-monophosphate,
  isolation, binding, Corynebacterium diphtheriae, diphteria, toxins 4228.
Adenylate cyclase,
  activity, Bordetella, repression, association cyclic AMP 9733.
  biosynthesis, enzymes, carbohydrates transport, Escherichia coli 4732.
  biosynthesis regulation, Escherichia coli, cya gene, lactose operon, gene fusion, gene products 12671.
  calmodulin stimulation, Bordetella pertussis 7581.
  enterotoxins, Vibrio cholerae, Escherichia coli effects on 6863
  Escherichia coli, characterization 8609.
  Escherichia coli defective mutant, guanylate cyclase activity 256.
  Escherichia coli, enzymatic activity, polyamines effects on 1366.
  Escherichia coli, regulation, sugars transport 9599
  Escherichia coli, temperature-sensitive mutant, expression, regulation, termination factor rho 2709.
  interaction Vibrio cholerae toxins, plasma membranes, erythrocytes 6003.
  regulation, Escherichia coli 12660.
  subunits, activation, Vibrio cholerae toxins 1813.
  Vibrio cholerae toxins, activation, animal models, disease resistance, cholera, mice 6872.
Adenylate kinase,
  enzymatic activity, relationship, AMP metabolism, Vibrio natriegens, marine environments isolates 2772
  Escherichia coli, role phospholipids biosynthesis 8624.
Adenylation,
  permeabilized Escherichia coli glutamine synthetase 4047.
  permeabilized Escherichia coli glutamine synthetase, regulation 4052.
Adherence,
  Acinetobacter calcoaceticus, role, growth, hexadecane media (culture) 1337.
  Actinomyces viscosus, Actinomyces naeslundii, hydroxyapatite, role, pili 67.
  Actinomyces viscosus, Streptococcus mutans, teeth, gnotobiotics (germfree), rats 4593.
  bacteria, association, respiratory tract infection, man, animal models 10319.
  bacteria, biomaterials, use, chemotaxis chambers 6535.
  bacteria, burn infection, antibiotic therapy, skin, man, reviews 3274
  bacteria, colonization, virulence, antibiotics treatment, mucosa, epithelium, children, conferences 10841.
  bacteria, fungi, vagina epithelium cells in vitro 4721
  bacteria, HeLa cells, estrogens effects on 3829.
  bacteria, prevention, association, glycosaminoglycans, sodium pentosanpolysulfate, urinary tract infection, man 7047.
  bacteria, rabbits urinary bladder glycosaminoglycans effects on 6226.
  bacteria, surfaces, dairy industry 79.
  Bacteroides gingivalis, subsp.asaccharolyticus, Bacteroides melaninogenicus, epithelium cells, erythrocytes, man 1363.
  Chlamydia psittaci, mice fibroblasts persistent infection, effects on 23.
  colonization, Streptococcus pneumoniae, nasopharynx mucus, children 9602.
  Enterobacteriaceae, Staphylococcus aureus, sutures 90.
  Escherichia coli, association, menstrual cycle, man 5629.
  Escherichia coli, cells, monolayers, analysis, Michelis-Menten parameters, gastrointestinal tract 1336.
  Escherichia coli, epithelium, urinary tract, urinary bladder irrigation effects on, animal models, man 9605.
  Escherichia coli, pili, epithelium, urinary tract, association, pyelonephritis, children 3387.
  Escherichia coli, pili formation, hemagglutination, association, antigens 10156.
  Escherichia coli, trimethoprim, sulphonamides, effects on 8827.
  Escherichia coli, urinary tract epithelium, mucus 92.
  Escherichia coli, urinary tract isolates 89.
  Flavobacterium+Cytophaga, glass, Enteromorpha linza 4731.
  gram-negative bacteria, gram-positive bacteria, endothelium, heart, animals, tissue culture 2621.
  Haemophilus influenzae, mouth epithelium, association, pathogenesis, man 10322.
  interspecific relationships, growth, light, Flavobacterium, Skeletonema costatum 1376.
  leukocytes (granulocytic), endothelium, role, chemotaxis, infection, bacteria, viruses, effects on, children 563.
  leukocytes (granulocytic), epithelium, endotoxins effects on 10090.
  leukocytes (neutrophilic), association, glycogenesis type Ib, Staphylococcus recurrent infection, man, case reports 600.
  leukocytes (neutrophilic), association, salmonellosis, experimental infection, pigs, juveniles 5216.
  leukocytes (neutrophilic), association, tuberculosis, man 6924.
  leukocytes (polymorphonuclear), bacteremia, association, shock, man 6319.
  Mycoplasma erythrocytes, models, adherence respiratory tract epithelium 9601.
  Mycoplasma, mechanisms, cell surface models 9600.
  Mycoplasma pneumoniae, glass, role, ATP, cyclic AMP 73.
  Mycoplasma pulmonis, genital tract epithelium, spermatozoa, mycoplasmosis, m 10695.
  oral cavity cells, Escherichia coli, relationship, enterotoxins, diarrhea, infants, man 3142.
  Pseudomonas aeruginosa, clinical isolates, trachea epithelium, hamsters 9583.
  Pseudomonas aeruginosa, rabbits cornea cells 9608.
  role, pathogenesis, Enterobacteriaceae, polytetrafluoroethylene grafts, characterization 9606
  Salmonella, chickens muscles tissues, sodium chloride, effects on 2598.
  Staphylococcus aureus, influenza A virus infected cells 9584.
  Staphylococcus aureus, vagina, relationship, toxic shock syndrome, man 3390.
  Streptococcus faecium, epithelium, duodenum, role, colonization, chickens, gnotobiotics 3809.
  Streptococcus group A, pharynx epithelium cells, role, polysaccharides 4735.
  Streptococcus group B, vagina, association, menstrual cycle, man 1352.
  Streptococcus mutans, hydroxyapatite, immunoglobulin A, saliva, inhibition 901
  Streptococcus mutans, surfaces, maternal effects, surfaces, children, in vitro 2608.
  Streptococcus, nasopharynx, children 9566.
  streptococcus, oropharynx cells, mediation, lipoteichoic acid, fibronectin receptors, man 9603.
  Streptococcus pyogenes, pharynx epithelium cells, antibiotics effects on, in vitro 5051.
  Streptococcus sanguis, hydroxyapatite, chemostats, environmental effects 5634.
  Streptococcus sanguis, saliva, coatings, surfaces, role, cell surface, proteins 2617.
  Treponema pallidum, cell culture, effects on cells morphology 9578.
  Vibrio parahaemolyticus, epithelium cells, relationship, pathogenicity, in vitro, in vivo 3821
  Yersinia enterocolitica, Epithelium cells, role, Pili 5623.
  Yersinia enterocolitica, HEp-2 cells, correlation, plasmids 1693.
Adherent cells,
  guinea-pigs, production, suppressor factor, Mycobacterium tuberculosis infection 1894.
Adipocytes,
  rats, Bordetella pertussis, histamine sensitization factors, glycerol release induction 11253.
Adjuvanticity,
  Bordetella pertussis vaccines, encephalitis side effects, children 6930.
  diphtheria, toxins, peptides, immunization 11641.
  Lactobacillus plantarum, immune response, activation, natural killer cells, mice 10221.
  polysaccharides, Klebsiella pneumoniae, mutants biosynthesis, characterization 6052.
Administration,
  routes, ampicillin, treatment, meningitis, relationship, levels, serum, cerebrospinal fluid, man 899.
  routes, cephalexin, effects on otitis media treatment, man 756.
  routes, role, meningitis treatment, penicillin, chloramphenicol, children 900.
Adolescence,
  acne, bacteria, pathogenesis, treatment 11678.
  acne, Propionibacterium acnes, Staphylococcus epidermidis, treatment 11677.
  α1-antitrypsin serum levels, relationship periodontitis 11694.
  bacteria, infection, gingiva, man 4367.
  Chlamydia trachomatis, Neisseria gonorrhoeae, infection treatment, cervix, 933.
  periodontal diseases, epidemiology, bacteria, Sweden 11693.
  tooth, bacteria, infection, prophylaxis, man 4368.
  toxic shock syndrome, Staphylococcus aureus, clinical aspects, pathology, treatment 11520.
Adolescents,
  bacteria dental disorders, prophylaxis 13094.
  juveniles, Actinobacillus actinomycetemcomitans, periodontal diseases, antibodies, serum levels 6915.
  man, dental caries, fluoride prophylaxis 10307.
  man, gonorrhea, Neisseria gonorrhoeae virulence, comparison, toxic shock syndro 10441.
  man, rheumatic heart disease, diagnosis, case reports 10468.
  man, tampons use, psychological aspects, association, toxic shock syndrome 1012
  man, tampons use, relationship, toxic shock syndrome publicity 10128.
  measles vaccination side effects, differential diagnosis, toxic shock syndrome, case reports 5321.
  oral hygiene, Finland 710.
  tuberculosis, treatment, chemotherapy+corticosteroids, man 2291.
  vaccination, reviews 611.
ADP,
  affinity labelling, Escherichia coli adenosinetriphosphatase 1554.
  Azotobacter beijerinckii, levels, growth rate, nutrient concentrations, effects on 1411.
  binding, adenosinetriphosphatase activation, chromatophores, Rhodospirillum rubrum 6553.
  binding formyltetrahydrofolate synthetase, conformational analysis, electron microscopy, Clostridium thermoaceticum 11151.
  binding ribosephosphate pyrophosphokinase, characterization allosteric properties, Salmonella typhimurium 8559.
  role, stabilization, dnaB gene proteins activity, Escherichia coli 4845.
  transport, chromatophores, Rhodopseudomonas capsulata 3876.
  transport, reticulate bodies, elementary bodies, Chlamydia psittaci 6540.
ADP-ribosylation,
  proteins, Vibrio cholerae, toxins, catalysts 10072.
  tubulin, toxins, Vibrio cholerae 11515.
ADP-ribosyltransferase,
  activity, Escherichia coli enterotoxins 4234.
  Pseudomonas aeruginosa, biosynthesis, clinical isolates 190.

al gland,
re, tuberculosis disseminated infection presentation, man, case reports 238.
energic receptors,
;, guinea-pigs, Haemophilus influenzae infection effects on 13366.
mycin,
hylaxis, postoperative infection, carcinoma, surgery, urinary bladder, man 399.
ptomyces peucetius subsp.caesius, daunomycin, carminomycin I, fendomycin A, onversion 2969
ption,
microbial agents, blood culture, bacteremia, diagnosis, man 13302
rcoal, Escherichia coli, Staphylococcus aureus, radioactive labelling ethodology 8280
micidin S, bacteria 3834.
etics, association, flagella, vibrio 12341.
tobacillus casei phage PL-1, receptors antigenic determinants 12824.
coplasma pneumoniae, biochemical analysis, ultrastructure, relationship, irulence 12340.
n, factors affecting, Streptococcus lactis 11018.
ge ε^{15}, cell surface, Salmonella anatum, pH effects on 7681.
ge L3, Acholeplasma laidlawii 4991.
ge ε15, cell surface polysaccharides, Salmonella anatum 6725.
ge Φ6R mutants, lysis, Pseudomonas phaseolicola 7670.
izobium japonicum, coal, inoculation, nitrogen fixation, Glycine max 12128.
t respiratory distress syndrome,
ociation, Rocky Mountain spotted fever, case reports, man 744.
ociation, tuberculosis, disseminated infection, case reports, man 936.
ic shock syndrome, case reports, man 6229
ts,
ostridium tetani, Corynebacterium diphtheriae, antibodies, detection, man 3548.
n, bacteria, diarrhea, etiology 4416
n, diarrhea etiology 814
n, respiratory tract infection, bacteria, treatment, amoxicillin+bromhexin 3348
n, sepsis, Streptococcus, clinical aspects 7189.
an, urinary tract infection, treatment, moxalactam, cefazolin 7999.
an, vaccination, Clostridium tetani, Mycobacterium tuberculosis 4331.
rtussis, Sweden 4391.
berculosis, treatment, chemotherapy+corticosteroids, man 2291.
es aegypti,
acillus thuringiensis subsp.israelensis δ-endotoxin effects on 4239.
ological control, Bacillus thuringiensis, Bacillus cereus, proteins characterization 5729.
ographical variations, susceptibility, endotoxins, Bacillus thuringiensis, India 12987
es albopictus,
ographical variations, susceptibility, endotoxins, Bacillus thuringiensis, India 12987
es polynesiensis,
olbachia infection, eggs development 3650
es stimulans,
iological control, Bacillus thuringiensis var.israelensis, Bacillus sphaericus, instars, temperature, effects on 3655.
les taeniorhynchus,
oxicity, Bacillus thuringiensis var.kurstaki toxins, purification characterization 7895
gyptianella pullorum,
nfection, disease transmission, chickens, role, Argas persicus, Argas africolumbae 6356.
pyceros melampus,
umen microorganisms, bacteria, diets effects on 8082.
ration,
ffects on, Bacillus mesentericus, RNA biosynthesis, yield 8448.
ffects on, Pseudomonas aeruginosa, hydrogen cyanide, biosynthesis, hydrogen cyanide synthase, batch culture 2844.
ffects on, Pseudomonas putida, Pseudomonas fluorescens, ethylene biosynthesis, soil, in vitro 5541.
ffects on, respiration, bacteria, populations, roots, Triticum 3706.
Thiocapsa roseopersicina, factors affecting superoxide dismutase biosynthesis 11219.
robacter,
catabolism, pentoses, pathways, regulation 9798.
robacter punctata,
thidiazuron biodegradation 9612.
robactin,
biosynthesis, Enterobacter cloacae, iron effects on enterochelin 6494.
biosynthesis, Escherichia coli, Col V 279.
robes,
blood culture, media (culture), anaerobiosis effects on 8263.
gut microflora, mutualism, bacteria, Orthoporus ornatus, Comanchelus 10733.
erobic bacteria,
Actinomycetes, pathogens, clinical aspects, identification 11956.
+anaerobic microorganisms, mixed infection, cost-benefit analysis, antibiotics treatment 6290.
antibiotic resistance, vagina colonization, association, antibiotics treatment endometritis, man 11809.
antibiotic sensitivity testing, clinical isolates, clinical microbiology 12878.
association, otitis media, man 2004.
clinical isolates, antibacterial activity, moxalactam, cefotaxime 6796.
comparison, anaerobic bacteria, ampicillin+sulbactam, antibiotic prophylaxis, effects on, intestinal microflora, man 11654.
distribution, mice, microflora 9317.
ecological distribution, plasmids, association, pollution, rivers 13508.
enumeration, USA, Ohio, water supplies 10811.
genital tract infection, treatment, cefotaxime, females, man 2100.
glucose effects on population density 12120.
heterotrophic bacteria, decomposition, animals cadavers, marine environments, Japan 8451.
heterotrophs, relationship, sulfate-reducing bacteria, metals tolerance, marine environment, sediments 12154.
isolation, tonsillitis, recurrent infection, children 1989.
microflora, genital tract, association, estrus cycle, dogs 9327.
susceptibility, clindamycin antibacterial activity, man 11416.
erobic conditions,
association, phagocytosis, intracellular killing, anaerobic bacteria 2672.

Aerobic conditions, (continued)
mezlocillin+metronidazole antibacterial activity, Klebsiella pneumoniae, Pseudomonas aeruginosa, Streptococcus faecalis, Proteus 8780.
Rhodopseudomonas spheroides, effects on tritium uptake 8466
soils, nitrogen mineralization 8167.
Streptomyces galilaeus, effects on anthracycline biosynthesis 8749
Aerococcus,
classification, milk ring test, gel diffusion 38.
clinical aspects, physiology, identification, serotyping, methodology 10907
Aerococcus viridans,
gaffkemia, Homarus americanus, incidence 13418.
peptidoglycans biosynthesis, cell walls, plasma membranes, freeze-thawing 6675.
Aerodin,
treatment, effects on immune response, experimental infection Klebsiella pneumoniae, mice guinea-pigs 6180.
treatment, effects on immune response, experimental infection rabbits guinea-pigs, Francisella tularensis, Pseudomonas aeruginosa 6181.
Aerolysin,
purification, characterization, Aeromonas hydrophila 4233.
Aeromonas,
aminopeptidase, 2,3-butanedione chemical modification effects on activity 4934.
aminopeptidase, 2,3-butanedione inactivation 8566.
Anguilla rostrata pathogens 6330.
aquatic environment isolates, antibiotic sensitivity testing 9930.
cadmium, toxicity, adaptations 447.
clinical aspects, identification, methodology 10910.
enterotoxins, biosynthesis, association, classification 2551.
exotoxins, pathology, immunity, Eisenia fetida andrei 6066.
fin rot, Gadus morhua, pathology 5484.
identification, DNA base composition, antigenic characteristics 6470.
identification methodology 2195.
isolation, β-D-mannosidase 1513.
microflora, Biomphalaria glabrata 5493.
new species, isolation, characterization 9563.
nutrient requirements, estuaries, marine microorganisms 8243.
Aeromonas caviae,
nucleotide sequence, relationship, Aeromonas hydrophila, Aeromonas sobria 153.
Aeromonas formicans,
micorflora, Penaeus stylirostris larvae 8134.
Aeromonas hydrophila,
abscesses, man 13346.
aerolysin, purification, characterization 4233.
antibacterial activity, cephalosporins, penicillinase stability 11410.
antibiotic sensitivity testing, antibacterial activity, antibiotics 3001.
association, mastitis, cattle 3642.
bacteremia, incidence, antibiotic resistance, immunocompromised hosts, man 2241.
bacteremia, man, case reports 8039.
biodegradation, p-aminoazobenzene, characterization 7458.
biosynthesis, extracellular polymers, polysaccharides 2829.
burn patients, bacteremia, water-borne diseases 9212.
clinical isolates, antibiotic sensitivity testing, antibiotics 9929.
enterotoxins detection, use, neonates mice assays 3120.
enterotoxins effects on intestine, rats, rabbits, animal models 11497.
enterotoxins, stimulation cyclic AMP levels, epithelium, intestine, rabbits 8882.
enterotoxins toxicity, skin rabbits, Y1 cells 11514.
exotoxins characterization 10071.
exotoxins, pathology, immunity, Eisenia fetida andrei 6066.
hemolysins effects on plasma membranes fibroblasts, man 6024.
hemolysins, erythrocytes lysis 5158.
hemolysins, induction plasma membranes lesions, fibroblasts, lung, man 11502.
hemolysins, proteinase, accumulation, media 1804.
identification, media (selective) 3756.
infection, Anguilla, diagnosis, indirect fluorescent antibody test 7270.
infection, pathogenesis, Salmo gairdneri, Salvelinus fontinalis 1803.
infection, Xenopus laevis 1077.
liquid culture methodology, asociation transformation 8257.
man isolates, biosynthesis, cytotoxins, enterotoxins, effects on mice 1801.
mixed culture, Pseudomonas denitrificans, nitrate reduction, antagonism 8427.
nucleotide sequence, relationship, Aeromonas caviae, Aeromonas sobria 153.
pathogenicity 9343.
pathogenicity, gastrointestinal tract, man 5319.
pneumonia, bacteremia, diagnosis, man, case reports 4394.
red sore disease, agglutinin immune response, seasonal variations, Micropterus salmoides 6895.
septicemia, case reports, man 2195.
septicemia, man, case reports 7139.
serotyping 48.
synergism, oxytetracycline+EDTA-tromethamine, oxytetracycline+dimethyl sulfoxide 4190.
Aeromonas liquefaciens,
thidiazuron biodegradation 9612.
Aeromonas salmonicida,
antibiotic sensitivity testing, antibacterial activity, antibiotics 3001.
furunculosis, Anguilla rostrata 1088.
lecithin-cholesterol acyltransferase, purification, characterizafion 9741.
morphology, identification, phage typing 2565
protein A, purification, association virulence 1853.
temperature effects, virulence, lysogeny 1852.
Aeromonas sobria,
cholera presentation infection, characterization, case reports, females 7201.
nucleotide sequence, relationship, Aeromonas hydrophila, Aeromonas caviae 153.
serotyping 48.
Aerosols,
airborne particulates, wastewater treatment, vegetation effects on filtration 8237.
bacteria, air-water interface 8236.
disinfectants, antibacterial activity, bacteria recovery, surfaces 7847.
disinfectants, microbiocidal activity assays, bacteria adherence webs 11449.
formaldehyde, microbiocidal activity, Pseudomonas aeruginosa, Klebsiella pneumoniae 11451.
gentamicin, carbenicillin, treatment, man, cystic fibrosis, infection, Pseudomonas aeruginosa 9261.
gentamicin, treatment, respiratory tract infection, man 13140.
immunostimulation, prophylaxis, tonsillitis, respiratory tract infection, man 4319.
Mycobacterium, isolation 6440.

Aerosols, (continued)
plants, surfaces, role, airborne microorganisms 13530.
pollutants, effects on susceptibility lung infection, bacteria, mice 11727.
sisomicin treatment, bronchopulmonary infection, gram-negative bacteria, man 10352.
Aeruginocine,
Pseudomonas aeruginosa, pyocin typing, antibiotic sensitivity testing 8785.
Aeschynomene americana,
nitrogen fixation, nitrogenase enzymatic activity, soil moisture effects on 2432.
Affinity chromatography,
Escherichia coli, rifamycin binding proteins, isolation 2744.
penicillin-binding protein, Bacillus subtilis, Bacillus stearothermophilus, purification, characterization 2777.
purification, Bacillus subtilis membrane proteins 170
purification, pili, membranes vesicles, Neisseria gonorrhoeae, methodology 12227.
rRNA 5S interaction ribosomal proteins, Escherichia coli 12525.
Salmonella lipopolysaccharides antibodies preparation 10135.
Affinity labelling,
L-aspartic-β-semialdehyde, aspartate ammonia-lyase, active sites cysteine, Escherichia coli 6639.
N-carbobenzoxy-L-pyroglutamyl diazomethyl ketone, pyroglutamyl aminopeptidase, Bacillus amyloliquefaciens 8581.
Escherichia coli adenosinetriphosphatase, ADP, ATP 1554.
glycals, interaction, β-D-galactosidase, Escherichia coli 6661.
nucleotide binding sites, RNA polymerase, Escherichia coli 4901.
phenylalanine active sites, phenylalanyl-tRNA synthetase, Escherichia coli 9758.
Rhodospirillum rubrum, 2-bromo-1, 5-dihydroxy-3-pentanone 1,5-bisphosphate, ribulosebisphosphate carboxylase, inhibition activity 6638
rRNA 23S, tRNA binding sites, Escherichia coli 11073.
Aflatoxin,
effects on, Streptococcus agalactiae, Staphylococcus aureus, Staphylococcus hyicus, infection, mammary gland, cattle 1097.
Aflatoxin B_1,
effects on, bacteria, fungi, soil 3683.
induction, prophages, Salmonella typhimurium, Bacillus megaterium 1635.
Aflatoxin B1,
Bacillus megaterium toxicity, thymine, cytosine, orotic acid, effects on 4208.
metabolites, induction, prophages, lysogeny, Bacillus megaterium, comparison, Salmonella typhimurium 8714.
Aflatoxins,
Aspergillus parasiticus, biosynthesis, growth, Lactobacillus casei effects on 2422
food additives, +Treponema hyodysenteriae, effects on swine dysentery, gnotobiotics (specific pathogen free) pigs 2376.
Africa,
abundance, salt lakes, bacteria 8227
imported diseases diagnosis, paratyphoid fever, man 6197.
man, sexually transmitted disease, epidemiology 2173.
soil, Actinomadura kijaniata sp nov , isolation, characterization, antibiotics biosynthesis 8300
Africa, West,
nitrogen cycle, ecosystem analysis 8249.
nitrogen cycle, terrestrial ecosystems, agroecosystems, conferences 9500.
soil microorganisms, nitrogen cycle, agricultural ecosystems, forests, paddy fields, nitrification 9442.
Vigna unguiculata, nitrogen fixation, Rhizobium 1191.
Agalactia,
Escherichia coli, Streptococcus equisimilis, Staphylococcus epidermidis, pigs 1112.
goats, Mycoplasma infection, pathogenesis 13378.
Mycoplasma agalactiae, characterization, goats, Senegal 3564.
Agar,
blood, media (culture), Mycobacterium tuberculosis 2523.
blood, Streptococcus, growth, media (enrichment) 1258.
egg yolk, media (culture), bacteria, detection, proteinase, role, pathogenicity 2513.
media (culture), Bacillus subtilis spores production 6457.
media (culture), use, enumeration, Lactobacillus bulgaricus, Streptococcus thermophilus, yogurt 1275.
media, shake culture, Escherichia coli, colicins, biosynthesis, competition 3676.
plate counts, bacteria, toxicity testing, methodology 5959.
Agar diffusion test,
antibacterial activity, cephalosporins, penicillins, Pseudomonas aeruginosa 12905.
antibiotic sensitivity testing, quality control 12885.
Escherichia coli, coliforms, R factors, antibiotic sensitivity testing 6751.
Neisseria gonorrhoeae, antibiotic sensitivity testing 6776
streptomyces, antibiotic antagonism, Rhizotonia solani, Rhytophthora megasperma, pathogenicity, soil 3675.
Agar dilution test,
antibiotic resistance, clinical isolates, Haemophilus influenzae, Streptococcus pneumoniae, Streptococcus group A, Staphylococcus aureus 7832
antibiotic resistance, Salmonella typhi, Salmonella paratyphi, streptomycin, chloramphenicol, ampicillin, furazolidine, cotrimoxazole 3044.
antibiotic sensitivity testing, drug sensitivity testing, methodology 11390
Neisseria gonorrhoeae, antibiotic sensitivity testing, penicillinase, serotyping 3058.
Neisseria gonorrhoeae, antibiotic sensitivity testing 6776
sulfamethoxozole, ± trimethoprim, antibacterial activity, Bacteroides 6841
Agarase,
Streptomyces coelicolor, biosynthesis, dag gene, inactivation, plasmid SCPI, integration, gene mapping 2851.
Agaricales,
Pinus radiata association, antibacterial activity, Staphylococcus aureus, Bacillus subtilis, Escherichia coli 7859.
Agaricus bisporus,
blotch, Pseudomonas fluorescens, etiology, pathology 9402.
Age,
association, incidence, gingivitis, periodontitis, man 3290.
association, leprosy, man, Ethiopia 9078.
association, urinary tract infection, incidence, pathogenicity, man 11813.
effects on, urinary tract infection, cattle 3578.
man, relationship, incidence, tuberculosis 7104.
Mycobacterium phlei, liquid culture, effects on esterase complex 8618.
relationship, clinical aspects, typhoid fever, Salmonella typhi, Salmonella paratyphi, man 840.
Age, (continued)
relationship, detection, incidence, Legionella pneumophila antibodies, horses 3189.
relationship, Haemophilus influenzae, vaccination, clinical trials, children 11649.
relationship, incidence, Clostridium tetani, tetanus, antitoxins, man, Italy 4309.
Age effects,
tuberculin skin tests, children 660.
Agglutination,
antibodies detection, Q fever, vaccination 507.
antibodies, Legionella pneumophila, detection, seroepidemiology, man 6876.
antigen O antisera, Escherichia coli, inhibition 13015.
antigen O, Serratia marcescens, immunoglobulin G, man, association, antibacteria activity 8995.
antigenic characteristics, Yersinia enterocolitica, clinical isolates, animal isolates 13012.
assays, diagnosis, Brucella canis, dogs 5189.
assays, Leptospira infection, Bothrops, Crotalus durissus terrificus, serological surveys 7252.
association, calcium cations, Brucella abortus, immune serum, agglutinins 11572.
association, Mycoplasma gallisepticum, Mycoplasma synoviae, chickens 13046.
association, toxigenicity, sorbitol fermentation, Clostridium difficile 6057.
Brucella abortus, EDTA immunoglobulin M, Fc receptors binding 7909.
comparison, immunofluorescence, identification methodology, Neisseria gonorrhoeae, clinical isolates 8913.
complement fixation, immunofluorescence, comparison, Campylobacter fetus subsp.jejuni infection, antibodies serum levels, man 8912.
detection, Anaplasma marginale antibodies, cattle 1840.
detection, antibodies, Mycoplasma gallisepticum, Mycoplasma synoviae, Aves 129
detection, Leptospira interrogans ser.hardjo, antigens 11536.
detection, Mycoplasma antigens, cells 5184.
diagnosis, Brucella canis infection, dogs 3161.
diagnosis, leptospirosis, abortion, cattle 1062.
diagnosis, typhoid fever, man 830.
factors, Malus seeds, characterization 4719.
factors, Streptococcus group B, characterization 11488.
Haemophilus influenzae serotyping 3794.
Haemophilus influenzae typing 2557.
identification, Neisseria gonorrhoeae, Neisseria meningitidis, comparison, carbon sources utilization 3787.
monoclonal antibodies, Vibrio cholerae lipopolysaccharides, antigenic characteristics 13007.
Mycobacterium serotyping 5582.
Neisseria gonorrhoeae serotyping 36.
Neisseria identification 2552.
pigs, infection, Streptococcus group E, detection, agglutinins 8273.
pili, Serratia marcescens, isolates, urine, man 5622.
Pseudomonas aeruginosa, serotyping 12276.
Pseudomonas phaseolicola, virulence, carbohydrates, plant extracts, Phaseolus vulgaris 2544.
role, protein A levels, Staphylococcus aureus strains 9503.
serotyping, methodology, Streptococcus mutans, strains 12237.
serotyping, Neisseria gonorrhoeae, protein I antigens, comparison, enzyme-linked immunosorbent assay 8900.
serum, assays, brucellosis screening, cattle 12064.
spermatozoa, Brucella canis infection, infertility, autoimmunity, dogs 6916.
Staphylococcus antibodies, detection, kidney diseases, bacteria, Salmonidae 6027.
Staphylococcus aureus, fibronectin 1373.
tests, detection, Alcaligenes faecalis, infection, turkeys 1095.
tests, detection, antigens, Shigella, Salmonella, dysentery, salmonellosis, man 1847.
tests, identification, Neisseria gonorrhoeae, in vitro 1292.
tests, Legionella, antigens 1865.
tests, Neisseria gonorrhoeae, chelating agents 1311.
tests, Streptococcus, identification 1313.
use, detection, Salmonella typhi antigens, feces isolates association typhoid fever 12995.
Vibrio cholerae, role, lipopolysaccharides 222.
Vibrio cholerae, toxins, phospholipids vesicles ganglioside Gm1 receptors 7887.
Agglutinin,
immune response, Aeromonas hydrophila, red sore disease, seasonal variations, Micropterus salmoides 6895.
Agglutinins,
antibody response, anaerobic bacteria, induction, mice, rats 11618.
Brucella abortus, serum levels, detection, serological surveys, horses 11587.
detection, Yersinia pseudotuberculosis infection, rats 8950.
immune serum, Brucella abortus, calcium cations, association, agglutination 11572.
levels, immune response, Vibrio anguillarum, infection, Macrobrachium rosenbergii 610.
levels, Yersinia enterocolitica, serum, relationship, feces, mice 4275.
levels, Yersinia enterocolitica, Yersinia pseudotuberculosis, arthritis, diagnosis, man 3522.
Listeria monocytogenes, seroepidemiology, man 9226.
Malus, Erwinia amylovora cell walls receptors, characterization 4944.
Medicago sativa, role Rhizobium meliloti nodulation 6417.
plants, interaction, Neisseria gonorrhoeae, lipopolysaccharides, cell surface 2831.
role, sedimentation, Streptococcus pyogenes, Streptococcus agalactiae, Streptococcus lactis, reviews 59.
saliva, interaction, Streptococcus serotypes, oral cavity, man, calcium, effects on 3305.
saliva, Streptococcus mutans, Streptococcus mitior, characterization, man 3236.
serotyping, distribution, Neisseria gonorrhoeae 6045.
serum, induction, gram-positive bacteria, infection, rats, mice 10223.
Streptococcus group E, detection, infection, pigs, association, agglutination 8273.
Streptococcus mutans, association, immunoglobulin A, saliva, man 552.
Tritrichomonas foetus, detection, Campylobacter fetus, vaccination, cattle 4334.
Yersinia enterocolitica, indirect hemagglutination methodology 7918.
Aggregates,
immunoglobulins, effects on, platelets secretions, role, bacteria endotoxins 491.
Aggregation,
bacteria, ecosystems, detritus, association, energy flow, upwelling, coastal waters 6434.

gation, (continued)
eria, skin, teeth, rectum, oral cavity, mucosa, man 3266.
gen, Escherichia coli, Salmonella, endotoxins, effects on 1820.
ors, characterization, Flavobacterium mutants 4098
ors, Flavobacterium, purification, characterization, flocculants 4959.
ococcus xanthus, association, membrane proteins, biosynthesis 5610
ococcus xanthus, defective mutant, genetic analysis 251
ptococcus mitis 4737
tococcus mutans, Actinomyces viscosus, bradophen effects on 1956.
,
cts on, lymphocytes T, Listeria monocytogenes immunity, mice 6095.
, effects on lipid metabilism 6382.
ion,
cts on, rifamycin, antibacterial activity, Staphylococcus aureus, taphylococcus epidermidis, in vitro 5096
lia (culture), Pasteurella multocida, methodology 10866
ultural ecosystems,
ogen cycle, nitrification, mineralization 9442
annahs, nitrogen cycle, Nigeria 9449.
ultural land,
legradation, polyureas, polyurethane foams 106.
v Zealand, soil microorganisms, actinomycetes, fungi, species diversity 1210.
zobium trifolii distribution, factors affecting, Denmark 8206.
ultural practices,
cts on soil microorganisms abundance 7322.
cts on soil microorganisms activity, USSR 1168.
ogen cycle, Rhizobium nitrogen fixation, semiarid environments 9440
ultural runoff,
hwater pollution, Myxobacteria, Pseudomonas aeruginosa, rivers, Czechoslovakia 1186
bacterium,
ibiotic sensitivity testing 9923.
ociation, cotton, electron microscopy, ultrastructure 5604.
→2)-β-D-glucan, structure 12708
uction, tumors, assays, inhibition, virulence, Solanum tuberosum 1150.
eraction, Solanum tuberosum lectins, concanavalin A, association, induction, umors 7301
lation, identification, bryophyta 4698
opolysaccharides, toxicity, structure 5176.
abiosis, Calystegia, cell culture methodology 4671.
ysaccharides, effects on, growth, Gaeumannomyces graminis var.tritici, Triticum, roots 8212.
izobium japonicum, Rhizobium, DNA, hybridization, genetic relationship, taxonomic significance 1441
l microorganisms, soil solarization effects on 7327.
bacterium gypsophilae,
thogenicity, Gypsophila paniculata, taxonomic revision 3663
bacterium radiobacter,
tibiotic EM5400, production, isolation, biological properties 7738.
tibiotic EM5400 production, isolation, characterization 7740.
lactam antibiotics biosynthesis, radioactive labelling 8754.
utants, use, biological control, Lycopersicon esculentum crown gall 12100.
l sterilization effects on 9472.
bacterium radiobacter subsp.tumefaciens,
edia (selective), biotyping, methodology 6482
bacterium rhizogenes,
iry root, host range, reviews 4609.
iry root, pathogenicity, role, plasmids, tissue culture, Nicotiana tabacum 4612.
mology, Agrobacterium tumefaciens, Ti plasmid 12860
asmids, DNA homology, Agrobacterium tumefaciens, tumorigenesis 5864.
plasmid, hybridization tumors DNA, Nicotiana glauca 7686.
ots, Convulvulus sepium, Daucus carota, agropine production 7296.
obacterium tumefaciens,
nding, Daucus carota protoplasts, association, crown gall formation 6512.
own gall, DNA plasmids correlation tumorigenesis, Nicotiana tabacum 5886.
own gall, iron assimilation, relationship, virulence, plasmids, Helianthus 2413.
own gall, Lycopersicon esculentum, biological control, use, Agrobacterium radiobacter mutants 12100.
rown gall, octopine, biosynthesis, role, tumors induction 4610.
rown gall, pathogenesis, association, indole-3-acetic acid 5497.
rown gall, plasmid Ti, transformation, Nicotiana tabacum 12090.
rown gall, plasmid T1, protoplasts, Nicotiana tabacum 13423.
rown gall, tumorigenesis, Helianthus annuus, temperature, effects on 4608.
rown gall, tumors, cell walls, antigens sites 3661
rown gall tumors, cotyledons, Helianthus giganteus 9413.
rown gall tumors, transformation, protoplasts, Nicotiana tabacum 9419
eletion mutant, Ti plasmid, gene mapping 12807.
NA, crown gall, transcription, homology, characterization 5703.
NA, Ti plasmid, crown gall, mutation, transcription, characterization 5880.
xperimental infection, crown gall, tumors, octopine, biosynthesis, Datura stramonium 2419.
errisiderophore reductase, iron transport, characterization 8616.
genetic analysis crown gall, characterization insertion sequences, Ti plasmid 6769.
Helianthus annuus crown gall isolates, plasmid pTi DNA transcription, RNA characterization 4136.
homology, Agrobacterium rhizogenes, Ti plasmid 12860.
infection, Nicotiana hybrids, ± tumor promoting agents, effects on teratocarcinoma development 8151.
infection, Nicotiana hybrids, ± tumor promoting agents, effects on tumors development 8152.
isolation, cytokinins, isoprenoid nucleosides, tRNA 1453.
lipopolysaccharides, binding, actinomycin D, spectroscopy 12699.
lysogeny, phage ψ, DNA, morphogenesis 11299.
Nicotiana tabacum, crown gall, tumors, characterization 8138.
phage ψ, mutagenesis 6731.
plasmid pTiAch5, restriction endonuclease mapping 12827
plasmid pTiB653, deletion mutant, gene mapping 12829.
plasmid pTiC58 DNA, protein biosynthesis, Escherichia coli 5870
plasmid Ti deletion mutant, characterization, gene mapping 5037.
plasmid Ti, transformation, plants protoplasts 12825.
plasmids, DNA analysis, Escherichia coli 2949.
plasmids, DNA homology, Agrobacterium rhizogenes, tumorigenesis 5864.
plasmids, DNA homology, Rhizobium, hybridization, restriction endonuclease mapping 5868.
RNA polymerase, purification, binding DNA 1511.
T1 plasmid, transposons, deletion, recombination, cloning, methodology 2914.
Ti plasmid, association, production, zeatin 11312.
Ti plasmid, crown gall tumors, DNA transcription 2905.
Ti plasmid, detection plant cells nuclease, electrophoresis 4140.
Ti plasmid, iaaP gene, relationship, crown gall, restriction endonuclease mapping 11326.
Ti plasmid, location octopine synthase genes, gene expression, crown gall, Helianthus annuus 7689.
Ti plasmid, mRNA mapping, hybridization DNA, crown gall, Nicotiana tabacum 7691.
transcription translation systems, isolation, comparison Escherichia coli 1440.
tumor promoting agents, infection, Nicotiana hybrids, tumors, development 8154.
tumor promoting agents, Nicotiana hybrids, tumors development, effects on, growth regulators, peroxidase 8153.
tumorigenicity, Inc-Q plasmid, maintenance, effects on 2926.
tumors induction, Kalanchoe leaves, osmotic potential 13434.
Agroecosystems,
terrestrial ecosystems, nitrogen cycle, conferences, Africa, West 9500.
Agromyces,
comparison, Arthrobacter, Curtobacterium, Brevibacterium, Corynebacterium, Microbacterium, nucleic acids hybridization 12523.
Agropine,
production, Agrobacterium rhizogenes, roots, Convulvulus sepium, Daucus carota 7296.
Agrostis palustris,
bacteria wilt, Canada 9392.
Agrostis tenuis,
nitrogen cycle, ammonification, clay industrial wastes 8176.
Agrotis ipsilon,
feeding, Bacillus thuringiensis exotoxins effects on 7896.
toxicity, exotoxins, Bacillus thuringiensis 7892.
Air,
disease transmission, Pseudomonas syringae leafspot, Cucumis sativa, greenhouses 7299.
filtration, laminar air flow, association, airborne microorganisms contamination hazards, open heart surgery 12189.
purification unit, effects on, Serratia marcescens contamination 7346.
transport, Streptomyces levoris, colonial characteristics, biorhythms 3745.
Air conditioning,
transmission, Legionella pneumophila, Pontiac fever, outbreaks, epidemiology, man 2285.
Air pollution,
heavy metals, effects on, bacteria, microflora, leaves, Pinus nigra 6410.
sulfur deposition, Acer pseudoplatanus leaves, nutrient sources, Thiobacillus thioparus 7315.
+Thiobacillus, nitrifying bacteria, biodeterioration, paintings 8438.
Air-water interface,
bacteria, aerosols 8236.
Airborne bacteria,
killing constants, mathematical models 12188.
nosocomial infection, wound infection, surgery, sepsis, man 10597
Airborne microorganisms,
bacteria, ice particles, polar environments 10818.
buildings, bacteria, vertical distribution, Hungary 10819.
contamination hazards, open heart surgery, association, laminar air flow, air filtration 12189.
distribution, chambers, ionization, effects on 2500.
fungi, bacteria, buildings, pigs 3746.
infection, Staphylococcus aureus, mercuric chloride drug resistance, zoonoses, dogs, man 9088.
mushroom worker's lung, etiology, immunoprecipitation, relationship, composts, dust 1973
plants, surfaces, role, aerosols 13530.
samplers, Staphylococcus epidermidis, Serratia marcescens 9496.
spore-forming bacteria, pathogenicity, role infection, man 13531.
Airborne particulates,
aerosols, wastewater treatment, vegetation effects on filtration 8237.
Aircraft,
fuels, incidence, Pseudomonas, 2-methoxyethanol effects on 134.
role, plagues, epidemiology, bacteria, man 13300.
Aklavinones,
Streptomyces galilaeus, biosynthesis 2992.
Akodon arviculoides,
isolation, Leptospira fluminense sp.nov., Brazil 39.
Alafosfalin,
antibacterial activity 5070.
association, cephalosporins potentiation, urinary tract bacteria 8774.
cephalexin, antibiotic synergism, antibacterial activity 1732.
Alanine,
Brevibacterium flavum, production 12374.
L-Alanine,
Streptomyces coelicolor, production 8529.
D-Alanine aminotransferase,
Bacillus sphaericus, inhibitors 8608.
Alanine carboxypeptidase,
effects on Escherichia coli morphology 7420.
Alanine dehydrogenase,
biosynthesis, Bacillus, sporulation 4860.
dad gene, aln A gene, characterization, Escherichia coli 2879.
kinetics, Bacillus subtilis 1506.
mechanisms, Bacillus subtilis 1520.
modification, 2,4,6-Trinitrobenzene sulfonic acid, Bacillus natto 2758.
L-Alanine-α-ketobutyrate aminotransferase,
activity, Pseudomonas 4048.
Alanine-4,5-dioxovalerate aminotransferase,
purification, characterization, Clostridium tetanomorphum 7618.
D-Alanyl-D-alanine proteinase,
amino acid sequence, Streptomyces, Actinomadura 4914.
Alanyl-tRNA synthetase,
5-bromouridine adducts formation, effects on activity, Escherichia coli 9682.
genes, DNA nucleotide sequence, comparison amino acid sequence, Escherichia coli 4926.
Alaska,
bacterioplankton, community composition, nutrition, taxonomy, physiology

- **Alaska, (continued)**
  - tolerance 1246.
- **Albinism,**
  - Xanthomonas campestris, strains, leafspot, Vitis latifolia 13428.
- **Albumen,**
  - inhibition, vegetative cells, growth, Bacillus cereus, spore germination 9619.
- **Albumin,**
  - +intravenous administration fluids, growth, bacteria 4751.
  - levels, Streptococcus group B, experimental infection, mastitis, cattle 3624.
  - particles, corynebacterium parvum effects on reticuloendothelial system function, mice, rabbits 8977.
- **Alcaligenes,**
  - abundance, deep sea 1236.
  - ϵ-aminocaproic acid, metabolism, enzymes 8627.
  - antimicrobial agents susceptibility 11387.
  - biodegradation, toxicity, aromatic compounds 3854.
  - biodegradation, 3-chlorobenzoate, 4-chlorophenol, Pseudomonas plasmids transfer 7459.
  - cattle semen isolates, antibiotic sensitivity testing 5047.
  - denitrification, hydroxylamine, pyruvic oxime, nitric-oxide reductase, nitrate reductase, soil 12421.
  - eggs contamination, geese 2388.
  - hydroxylamine, tolerance 7873.
  - isolation, β-D-mannosidase 1513.
  - nose carriers, man, Papua New Guinea 11945.
  - nutrient requirements, estuaries, marine microorganisms 8243.
  - nutrient sources, ϵ-aminocaproic acid dimers metabolism, characterization, association plasmids 8410.
  - α-picolinic acid biodegradation 5642.
  - production, isobutyraldoxime O-methyl ether 12728.
  - Pseudomonas, Xanthomonas, phenylalanine biosynthesis pathway enzymes, taxonomic significance 2746.
  - soil isolates, biosynthesis, nitrate, nitrite 6416.
  - soil isolates, denitrification, characterization 4639.
  - strains, taxonomy, biochemical analysis 10901.
  - triacylglycerol lipase, purification, characterization 11198.
- **Alcaligenes eutrophus,**
  - derepression, hydrogenase, ribulosebiphosphate carboxylase, growth conditions 5776.
  - dicoumarol inhibition, hydrogen dehydrogenase activity 7565.
  - electrophoresis, mobility, electric fields, effects on 12331.
  - enzymes biosynthesis, autotrophy metabolism, association, heterotrophy growth 8561.
  - growth conditions, electrolysis, media (culture), factors affecting 12452.
  - hydrogen dehydrogenase, hydrogen-deuterium exchange 7563.
  - hydrogenase activity, relationship, nickel 12641.
  - plasmids, mutants, hydrogen uptake 9889.
  - valeramidase, formamidase, regulation, metabolism, carbon sources 1553.
- **Alcaligenes faecalis,**
  - biodegradation, bis(tributyltin)oxide 2636.
  - carbohydrates metabolism 12397.
  - ceftizoxime, antibacterial activity, in vitro 328.
  - 4-chloropyrocatechol, inhibition, catechol 2,3-dioxygenase 12684.
  - clinical isolates, antibacterial activity, ceftazidime 5066.
  - denitrification, kinetics, uptake, nitrate, nitrous oxide 8465.
  - 3,4-dichloroaniline, biodegradation 12393.
  - etiology, respiratory tract diseases, turkeys 1082.
  - humidity effects on infection, turkeys 6343.
  - infection, detection, agglutination tests, isolation, turkeys 1095.
  - infection, symptoms, detection, electron microscopy, trachea, turkeys 1104.
  - ± infectious bursitis virus, respiratory tract infection, pathology, turkeys 10720.
  - L-lysine biosynthesis 7528.
  - poly(3-hydroxybutyrate) depolymerase, purification, characterization 9768.
  - respiratory tract infection, chickens 1106.
  - rhinotracheitis, vaccination, turkeys 6123.
  - soil isolates, chloramphenicol antibiotic resistance 12923.
- **Alcaligenes hydrogenophilus,**
  - biomass biosynthesis optimization, association, substrate preferences 9816.
- **Alces alces,**
  - association, Francisella tularensis, antibody response 13039.
  - brucellosis, immunodiagnosis 10662.
- **Alcohol dehydrogenase,**
  - enolase, role, allyl alcohol, hydrogenation, Clostridium 4941.
  - immobilized enzymes, Thermoanaerobium brockii 4888.
  - isoenzymes, characterization, Zymomonas mobilis 4029.
  - isolation, substrate specificity, Pseudomonas 4015.
  - Leuconostoc mesenteroides, characterization, comparison, yeasts, liver, horses 4010.
  - methoxatin association, mechanisms, bacteria 7559.
  - , Mycobacterium tuberculosis var. bovis, , deficiency effects on, growth 2770.
  - Mycobacterium tuberculosis var.bovis, purification, characterization 2771.
  - purification, characterization, Comamonas terrigena 4062.
  - purification, characterization, Comamonas terrigena 4898.
  - structure, sheep, Drosophila, comparison, Klebsiella ribitol dehydrogenase 4883.
- **Alcohol dehydrogenase (acceptor),**
  - Methylomonas, purification, characterization 3950.
  - prosthetic groups, characterization, Hyphomicrobium 3959.
- **Alcohol dehydrogenase (NAD(P)$^{+}$),**
  - Acinetobacter calcoaceticus, comparison, Rhodopseudomonas acidophila, specificity 7602.
- **Alcohol oxidase,**
  - production, Pseudomonas, mixed culture 8555.
- **Alcoholism,**
  - association, bacteria endocarditis, man 9237.
  - man, association, pneumonia, bacteria infection 9089.
- **Alcohols,**
  - Bacillus cereus cysts resistance 11473.
  - effects on Mycoplasma pneumoniae, Mycoplasma gallisepticum 438.
  - effects on, radiation sensitivity, Bacillus pumilus, spores 3090.
  - Mycobacterium tuberculosis, separation, high-performance liquid chromatography 1577.
  - Rhizobium japonicum, utilization, Glycine max isolates 3719.
- **Aldehyde dehydrogenase,**
  - Acetobacter aceti, purification, characterization 5744.
  - mechanisms, role NAD^{+} binding, kinetics, Escherichia coli 7572.
- **Aldehyde dehydrogenase, (continued)**
  - Rhizobium japonicum, purification, activity 12628.
- **Aldehydes,**
  - Rhizobium japonicum, utilization, Glycine max isolates 3719.
- **Alexidine,**
  - mouthwashes, effects on, dental plaque, saliva,
- **Algae,**
  - extracts, antifungal activity, antibacterial activity, marine environment 1772.
  - extracts, microbiological analysis, Bacillus subtilis 4216.
  - nitrogen uptake 101.
  - photosynthesis, carbon, uptake, heterotrophic bacteria, lakes, Sweden 12167.
  - photosynthesis, rates, estimation, use antibiotics, mixed culture, heterotrophic bacteria 12366.
  - phototrophic bacteria, ecosystem dynamics, ecological distribution, lakes 8229.
  - sulfur bacteria, marine environments, brines, effects on 3744.
- **Algal blooms,**
  - Prorocentrum, decomposition, bacteria, marine environment, Japan 6437.
- **Algal mats,**
  - association Chromatium, vertical distribution, salt marshes, Mexico 8231.
- **Algeria,**
  - Mycobacterium tuberculosis, clinical isolates, antibiotic resistance, streptomycin, drug resistance, isoniazid, surveys 3060.
  - respiratory tract infection, antibiotics treatment, man 13157.
- **Alginate,**
  - production, Azotobacter vinelandii, media (culture) 7.
- **Alginate lyase,**
  - isolation, characterization, Pseudomonas, Beneckea pelagia 4037.
- **Alginates,**
  - biosynthesis, Pseudomonas fluorescens, Pseudomonas putida, Pseudomonas mend mutants 1566.
- **Alginic acid,**
  - carbon sources, phosphate, effects on, biosynthesis, enzymes, Azotobacter vinelandii 12703.
- **Alkaline phosphatase,**
  - association, membranes, Pseudomonas maltophilia, Pseudomonas aeruginosa 1266
  - biosynthesis, phosphate, repression, Vibrio cholerae 8612.
  - cooperativity, kinetics, Escherichia coli 11153.
  - Escherichia coli, genes, nucleotide sequence 2814.
  - Escherichia coli, identification, amino acid sequence, peptides, role, secretion 2814.
  - histidine, regulation, activity, Vibrio alginolyticus 12663.
  - kinetics, comparison periplasmic space, plasma membranes, Escherichia coli 1258
  - levels, intestine, microflora, effects on, gnotobiotics (germfree), mice 10636.
  - phosphorescence, Escherichia coli 4911.
  - Pseudomonas aeruginosa, deficient mutant, assays, phosphates, effects on 1626.
  - Pseudomonas aeruginosa, Pseudomonas maltophilia, phosphate, regulation, activity 12669.
  - purification, magnesium, detergents, characterization, Bacillus licheniformis 6620.
  - purification, Nocardia asteroides 11152.
- **Alkaline proteinase,**
  - Streptomyces, thermophilic bacteria, insulin cleavage 195.
- **Alkaloids,**
  - Ruta graveolens, antibacterial activity, antifungal activity 3075.
- **Alkane 1-monooxygenase,**
  - activity, Pseudomonas putida, growth 7582.
  - hydroxystearates competition inhibition, characterization active sites, Bacillus megaterium 6656.
- **Alkanes,**
  - bacteria, biodegradation, oxidation mechanisms 8416.
  - media, mixed culture, Candida parapsilosis, Bacillus, growth characterization, association, myristic acid 8423.
  - media, mixed culture, Candida parapsilosis, metabolites biosynthesis, association, Bacillus stearothermophilus 8435.
  - nutrient sources, mixed culture, Bacillus, Candida parapsilosis, growth, characterization 7443.
  - oxidation, mechanisms, bacteria, reviews 12365.
  - Pseudomonas aeruginosa biodegradation, anaerobic conditions 8414.
- **Alkylation,**
  - association, DNA injection defects, phage T7 8724.
  - iodoacetate, iodoacetamide, ribonuclease, effects on activity, Stretomyces erythreus 3949.
  - N-nitroso-N-ethylurea, Escherichia coli tRNA tertiary structure 6593.
- **Alkylbenzene sulfonate,**
  - biodegradation, bacteria 8413.
- **n-Alkylcycloalkanes,**
  - biodegradation, Arthrobacter+Mycobacterium rhodochrous, mixed culture 1382.
- **Allantoin,**
  - biosynthesis, nitrogen fertilizers effects on, Glycine max 2436.
  - biosynthesis, Rhizobium japonicum, association, nitrogen fixation, Glycine max 8170.
- **Alleles,**
  - effects on adenosinetriphosphatase subunit structure, characterization, Escherichia coli 1589.
  - mutants, phosphates, transport, bacteria, genetic analysis 1355.
- **Allergic alveolitis,**
  - Bacillus subtilis, Bacillus cereus, occupational exposure, man 5242.
  - man, Streptomyces albus 5307.
- **Alleromonas espejiana,**
  - phage PM2, infection, protein biosynthesis, kinetics, characterization 7680.
- **Alligator mississipiensis,**
  - egg shells, biodegradation 5672.
- **Allium,**
  - Hylemya antiqua oviposition, stimulation, bacteria 1248.
- **Allium cepa,**
  - bacteria infection, antibacterial activity, thiosulfonic acid 12948.
  - stalks, leaves, necrosis, Erwinia herbicola 10743.
- **Allium sativum,**
  - antibacterial activity, Coxiella burnetii infection, chickens 12963.
  - extracts, antibacterial activity, growth stimulation, bacteria 444.
- **Allografts,**
  - bone, preservation, silver, antibacterial activity 8846.
  - kidney, recipients, postoperative infection, man 969.
- **Allosteric properties,**
  - aspartate carbamoyltransferase, role subunits interaction, conformation, use cross-linking, Escherichia coli 4910.

eric properties, (continued)
artate carbamoyltransferase, spectroscopy, Escherichia coli 9739.
B gene protein, role ATP, Escherichia coli 8545.
ngation factor Tu, kirromycin effects on, Escherichia coli 11088
sephosphate pyrophosphokinase, characterization ATP, ADP, ribose-5-phosphate inding, Salmonella typhimurium 8559.
ymes,
sphogluconate dehydrogenase, selection, Escherichia coli, genes, transduction 588.
alcohol,
e, hydrogenation, enolase, alcohol dehydrogenase, Clostridium 4941.
glycine,
tabolism, role plasmid TOL, Pseudomonas putida 288
s,
inomycetes nodules, incidence, Pakistan 1217.
dules, Nocardia isolation 12138.
s glutinosa,
nkia, isolation, cultivation 2502
dulation, growth, Netherlands, Frankia, inoculation, effects on 3689
dules, glutamine synthetase, localization, characterization 10767.
dules, glyoxylate cycle suppression, Frankia symbiosis 10783.
dules, nitrogen assimilation 5521.
nbiosis, nitrogen fixation, British Isles 3703.
s incana,
sociation Actinomycetes nitrogen-fixing bacteria, soil incidence 12126.
dules, symbiosis, Frankia, isolation 10736.
s rubra,
rogen fixation, nodules, biomass, forests, Canada 3693.
mbiosis, nitrogen fixation, British Isles 3703.
s sinuata,
rogen fixation, nodules, biomass, forests, Canada 3693
s viridis,
ankia isolation, nitrogen, carbon, nutrient requirements, association, amino acids 10981
ne environments,
eams, population dynamics, environmental effects, bacteria 7338.
rnaria,
ore germination, Azotobacter effects on 13457.
rnaria alternata,
af blotch, Hordeum vulgare, biological control, Streptomyces olivaceus antagonism 5507.
eritonitis, diagnosis, treatment, man, case reports 4481.
rnaria radicina,
ecay, Daucus carota 4602.
rnative pathway,
ctivation, complement C3b, Streptococcus pneumoniae, cell walls, polymers, teichoic acids 3186.
ctivation, complement, liposomes, Streptococcus pneumoniae, C-reactive protein inhibition 6096
omplement, activation, Bacteroides fragilis, in vitro 540.
omplement, activation, opsonization, Staphylococcus aureus, role, protein A 4269
omplement, activation, Propionibacterium acnes, man 533.
omplement, activation, Pseudomonas aeruginosa slimes, glycolipoproteins, man 2733.
omplement, role, Salmonella enteriditidis lipopolysaccharides opsonization, sickle cell disease, man 583.
omplement, role, serum bactericidal activity, atopy, man 532.
omplement, serum bactericidal activity, factors affecting 531.
mmunoglobulin G, activation, complement, cytotoxicity, Haemophilus influenzae 10195.
eromonas,
minopeptidase, purification, characterization 3992.
minopeptidase, purification, characterization 4035.
minopeptidase, purification, characterization 4891.
minopeptidase, purification, characterization, periplasmic space 4885.
microflora, Euphausia superba, Euphausia crystallorophias 1133.
eromonas luteo-violaceus,
ulfate, transport, mechanisms, characterization 1335.
ulfate, transport, regulation, characterization 1334.
eromonas rubra,
-amylase, secretion, carbon sources, glucose, characterization 9735.
hiomycin,
Cystobacter fuscus, biosynthesis 11361.
Cystobacter fuscus, isolation, identification 7713.
itude,
effects on soil microorganisms leaf litter decomposition, Austria 10772.
nduction, Streptococcus sanguis endocarditis, animal models 7219.
aminum,
effects on nodulation, Rhizobium, Stylosanthes scabra, Stylosanthes hamata 10794.
nutrient solutions, Rhizobium, effects on survival 7450.
uminum chloride,
use phosphorus precipitation, effects on bacteria 3741.
uminum sulfate,
effects on population levels, respiration, soil microorganisms, nitrification, soil amendment 7329.
veolar bone,
indomethacin effects on, association, periodontitis experimental infection, bacteria, animal models, man 13116.
veoli,
macrophages, activation, Corynebacterium parvum, effects on, lectins receptors, glycosidase activity, guinea-pigs 9003.
macrophages, hydrogen sulfide effects on, lung, rats 1738.
lveolysin,
interaction cholesterol, sulfhydryl groups chemical modification effects on, Bacillus alvei 11477.
lzogur,
drug sensitivity testing, Treponema hyodysenteriae 5132.
mazona aestiva,
Staphylococcus eye infection, outbreaks 3566.
mber mutant,
Escherichia coli ribosomal proteins genes, transcription regulation 4982.
gene 44 proteins, phage T4, DNA biosynthesis association, Escherichia coli 9849.
suppressors, efficiency, RNA polymerase β subunit genes, assays, Escherichia coli 6687.
tyrosine suppressors tRNA genes, cloning, Escherichia coli 1621.

Amblyomma hebraeum,
Cowdria ruminantium, radiation effects on 1781.
Amblyomma sparsum,
larvae, Cowdria ruminatium, disease transmission, domestic animals 3599.
Amblyosporium spongiosum,
antibiotic 8006-I, antibacterial activity, antifungal activity 7812.
antibiotic 8006-I production, physicochemical properties, antibacterial activity 7718.
Amebocytes,
Limulus polyphemus, Limulus lysate test, Escherichia coli endotoxins, effects on viscosity 6856.
American foulbrood,
Apis mellifera colonies, distribution, Bacillus larvae spores 2400.
Ames test,
ionizing radiation, mutagenesis, R factors potentiation, Salmonella typhimurium 4118.
Salmonella typhimurium strains, identification methodology 1328.
Ametryne,
bacteria, biodegradation, sulfur nutrient sources 5647.
Amicyanin,
purification, characterization, amine dehydrogenase electrons acceptors, Pseudomonas 6649.
Amidase,
immobilized enzymes, properties, Escherichia coli 4045
repression, association, tricarboxylic acid intermediates, Proteus rettgeri, comparison, Escherichia coli 12658.
ribosomes, purification, characterization, Lactobacillus casei 4937.
Amides,
utilization, Rhodococcus 12450.
p-Amidinophenyl alkonates,
kinetics, hydrolysis, trypsin, Streptomyces fradiae, Streptomyces griseus 8575.
Amidophosphoribosyltransferase,
purification, characterization, Bacillus subtilis 1510.
reaction oxygen, regulation ligands, Bacillus subtilis 1507
Amikacin,
analogs, antimicrobial activity, eye pathogens 5908
antibacterial activity, antibiotic resistance, gram-negative bacteria clinical isolates 4168
antibacterial activity, clinical isolates, 5056.
antibacterial activity, digestive tract microflora, mice 10640.
antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa, characterization 8761.
antibacterial activity, treatment, infection, man, reviews 314.
antibiotic resistance, Escherichia coli, plasmids, role, aminoglycoside phosphotransferase, genetic analysis 3047.
antibiotic resistance, gram-negative bacteria, hospitals, Canada 1753.
antibiotic resistance, Serratia marcescens, plasmids, characterization 7834.
antibiotic resistance, Staphylococcus aureus 396.
antibiotic sensitivity testing, disc-diffusion test, methodology 310.
antibiotic sensitivity testing, disc-diffusion test, Pseudomonas aeruginosa 319.
antibiotic sensitivity testing, Mycobacterium fortuitum 6787.
antibiotic synergism, azlocillin, mezlocillin, antibacterial activity, Pseudomonas aeruginosa 9968.
antibiotic synergism, carbenicillin, piperacillin, antibacterial activity, Pseudomonas aeruginosa 12889.
antimicrobial activity, reviews 5907.
+antisera, treatment, Klebsiella pneumoniae infection, mice 5253.
± cefotaxime± azlocillin, antibiotic synergism 1704.
+cefotaxime, treatment, gram-negative bacteria infection, immunocompromised hosts, leukemia, man 6277
derivatives, antibiotic tolerance, plasmids, Escherichia coli 8799.
+doxycycline, treatment, mycobacteriosis, Mycobacterium fortuitum, Mycobacterium chelonei, man 6258.
R factors transduction, Pseudomonas aeruginosa, conjugation, phages 11295.
hematological diseases treatment, Pseudomonas infection, man 6784.
Mycobacterium tuberculosis, antibacterial activity 7770.
resistance, association, modification enzymatic, Pseudomonas aeruginosa, Enterobacteriaceae 12678.
treatment, diarrhea, nursing infants, man 3367.
treatment, endometritis, amikacin, horses 10703.
treatment, Pseudomonas, infection, man 3464.
treatment, septicemia, Serratia marcescens, man 1012.
treatment, Serratia marcescens infection, man 7130.
treatment, urinary tract infection, gram-negative bacteria, man 10397.
treatment, ventriculitis, bacteria infection, pharmacokinetics, children 3411.
Amikacin 3'-phosphotransferase,
Escherichia coli, localization 1501.
Amikacin± piperacillin,
ticarcillin, treatment, bacteria infection, neutropenia cancer patients 9205.
Amine dehydrogenase,
electrons acceptors, amicyanin, purification, characterization, Pseudomonas 6649.
Amine oxidase (copper-containing),
kinetics, Arthrobacter 2794.
Amines,
effects on cellulose biodegradation, fatty acid biosynthesis, rumen microorganisms 1050.
effects on, growth, Brevibacterium 12446.
Amino acid,
biosynthesis, Pseudomonas, cysteine, analogs 2725
Amino acid analysis,
peptidoglycans cross-linking, cell walls, bacteria 7403.
Amino acid composition,
Escherichia coli, pili, subunits molecular weight, antigenic characteristics 6499.
flagellin, tryptophan residues incidence, Rhizobium meliloti 11109.
Gramineae roots exudates, association, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9586.
mannose isomerase, characterization, Escherichia coli, mutants 1497.
methylotrophic bacteria proteins, growth conditions effects on 12571.
pili, Neisseria gonorrhoeae, morphology, antigenic characteristics 1344.
pyruvate carboxylase subunits, Pseudomonas citronellolis 4042.
single-cell protein, Glycine max wastewater treatment, Rhodopseudomonas gelatinosa 6614.
single-cell protein, Rhodopseudomonas gelatinosa, wastewater treatment, Glycine max 6614.
Staphylococcus aureus, capsules, proteins, hydroxyproline 2740.

D-Amino acid dehydrogenase,
reconstitution, membrane vesicles, Escherichia coli 3808.
Amino acid sequence,
active sites, dihydrolipoamide reductase (NAD+), Bacillus stearothermophilus 9743.
active sites, penicillinase, chromosomes, Pseudomonas aeruginosa, Escherichia coli 9744.
adenosinetriphosphatase subunits, Escherichia coli 6721.
D-alanyl-D-alanine proteinase, Streptomyces, Actinomadura 4914.
alkaline phosphatase peptides, role, secretion, Escherichia coli 2814.
α-amylase, Bacillus amyloliquefaciens 3961.
α-amylase, Bacillus licheniformis, comparison, Bacillus amyloliquefaciens, Bacillus subtilis 5743.
antigen K, Escherichia coli 3920.
bacteriorhodopsin, retinol binding, purple membranes, Halobacterium halobium 2674
4-carboxymuconolactone decarboxylase, 3-oxoadipate CoA-transferase, Pseudomonas putida 5747
colicin E3, protein B, Escherichia coli 4147.
Corynebacterium diphtheriae toxins fragment B, interaction, lipid bilayers 11478.
cytochrome c3, Desulfovibrio desulfuricans 4836.
cytochrome P-450cam, Pseudomonas putida 8522
deoxyribose-phosphate aldolase, Escherichia coli 11037.
DNA polymerase, Escherichia coli 8562.
DNA-binding protein, homology, Escherichia coli, comparison, phages 12551.
elongation factor G, Escherichia coli 11116.
enterotoxins, Clostridium perfringens, characterization 11476.
Escherichia coli galactose binding proteins 7535.
Escherichia coli, genomes, loci, localization, gene mapping 7662.
Escherichia coli, phosphoenolpyruvate, nucleotide sequence, cloning genes 7652.
Escherichia coli, RecA gene proteins, LexA gene proteins 3927.
Escherichia coli, RNA polymerase β'-subunit, rpoC gene, DNA nucleotide sequence 7663.
Escherichia coli, signals proteins, phoA gene, promoters, nucleotide sequence 4093
ferredoxin, Clostridium thermoaceticum 11106.
flagellin, multiple forms, Caulobacter crescentus 8517.
flagellin N-terminus, multiple forms comparison, Caulobacter crescentus 8537.
glutamine binding proteins, Escherichia coli 1473.
α-hemolysin, Staphylococcus aureus, purification 2729.
4-hydroxybenzoate 3-monooxygenase, Pseudomonas fluorescens 7545.
imacidin C, biosynthesis, Streptomyces olivaceus 4151.
lactose repressor, comparison DNA-binding protein, Escherichia coli 9713.
largomycin, Streptomyces pluricolorescens, biosynthesis, antibacterial activity 12912.
light-harvesting proteins, chromatophores, Rhodospirillum rubrum 2731.
maltodextrin phosphorylase, Escherichia coli 8586.
maltose-binding protein, Escherichia coli 8521.
methodology, cytochrome c550, Paracoccus denitrificans, cytochrome c, Coryphaena hippurus 2678.
nitrogenase iron protein, Azotobacter vinelandii, comparison Clostridium pasteurianum, Anabaena, Klebsiella pneumoniae, phylogeny 7534.
nitrogenase subunits, Azotobacter vinelandii 5778.
nitrogenase subunits, comparison nifD gene nucleotide sequence, Clostridum pasteurianum 2736.
phosphatase, phoA gene, Escherichia coli 6642.
phospho-2-keto-3-deoxy-heptonate aldolase, Escherichia coli, isoenzymes 6628.
pili structural proteins, Escherichia coli 11104.
protocatechuate 3,4-dioxygenase subunits, Pseudomonas aeruginosa 4033.
Pseudomonas testosteroni steroid Δ-isomerase active sites, inactivation 5,10-secoestr-5-yne-3,10,17-trione 6664.
reaction centers proteins N-terminus, purple membranes, Rhodopseudomonas sphaeroides 11123.
Rhizobium meliloti, DNA-binding protein 9721.
ribosomal protein BL10, ribosomal subunit 50S, Bacillus stearothermophilus 4817.
ribosomal protein L7/L12, Streptomyces griseus 7524.
ribosomal proteins, Micrococcus luteus, comparison ribosomal protein L12 Escherichia coli, Bacillus subtilis, Halobacterium cutirubrum, Saccharomyces cerevisiae, Artemia salina 2712.
RNA polymerase, comparison nucleotide sequence, Escherichia coli 4978.
RNA polymerase subunits, Escherichia coli 12572.
signal peptides, ompF gene proteins, Escherichia coli 9710.
termination, transposon Tn3 proteins 11093.
N-terminus, penicillin-binding protein, Escherichia coli 9700.
thioredoxin, Corynebacterium nephridii 4775.
transposon Tn3, termination sequence 11093.
Vibrio cholerae, cholera, toxins, subunits 4229
Amino acid starvation,
association, proteins misreading, Escherichia coli 5720.
effects on cell size, Escherichia coli 12428.
Amino acids,
assimilation, heterotrophic bacteria, seasonal variations, estuaries 10809.
association, nitrogen, carbon, nutrient requirements, Frankia isolation, Alnus viridis 10981.
biosynthesis, association, uptake, carbon dioxide, nitrogen, Glycine max, nodules, Rhizobium japonicum 6422.
biosynthesis, Brevibacterium flavum 4832.
biosynthesis, coryneforms, biochemical characteristics 10908.
biosynthesis, Nocardia butanica mutants, role magnesium phosphates 7531.
Clostridium, biodegradation, reviews 7427.
effects on, Bacillus licheniformis, bacitracin, biosynthesis 8396.
effects on phospho-2-keto-3-deoxy-heptonate aldolase, anthranilate synthase, enzymatic activity, Pseudomonas aureofaciens 1493.
effects on proteins methylation, chemotaxis, Bacillus subtilis 8385.
enhancement, Bacillus subtilis spores, thermal injury, recovery 5615.
Escherichia coli, biosynthesis, N.M.R. 5733.
fermentation, role, survival, starvation, spirochetes 169.
Lactobacillus, auxotrophs, mutants, biosynthesis, nutrient requirements, genetic analysis 1477.
levels, cerebrospinal fluid, man, meningitis, diagnosis 8021.
levels, cerebrospinal fluid, meningitis, children 9175.
levels, cerebrospinal fluid, Mycobacterium tuberculosis meningitis, man 5337.
levels, Medicago sativa wilt, Corynebacterium insidiosum infection effects on 13437.
metabolism, mice, intestinal microflora effects on 13414
Methanococcus voltae, nutrient requirements, metabolism, carbon sources 6537.
Amino acids, (continued)
radioactive labelling, Chlamydia psittaci, association, activity specificity 9524.
regulation, guanosine nucleotides, correlation RNA biosynthesis, mutants, Escherichia coli 3911.
Rhizobium, bioaccumulation, salinity effects on 7530.
role, antibiotic AS-40 biosynthesis, Streptomyces 8752.
solutions, treatment, septicemia, role acidosis, man 13282.
spirochaetes, fermentation, ATP biosynthesis, marine environments 2723.
starvation, Bacillus subtilis, initiation sporulation 9647.
starvation, induction Bacillus subtilis sporulation 6532.
substitution characterization, elongation factor Tu mutants forms, Escherichia coli 5728.
Thiobacillus thioparus, active transport, kinetics 2611.
Thiobacillus thioparus, active transport, kinetics, regulation 2605.
transport, Escherichia coli 70.
transport, Thermus flavus, Thermus ruber 8454.
uptake, psychrophilic bacteria, role, receptors 5630.
5″-Amino-3'-5'-dideoxybutirosin A,
synthesis, structure, antibacterial activity 11395.
5″-Amino-4',5'-dideoxybutirosin A,
synthesis, structure, antibacterial activity 11395.
L-Amino-acid decarboxylase,
Micrococcus percitreus, purification, characterization 4040.
6-O-(3-Amino-3-deoxy-α-D-glucopyranosyl)apramycin,
synthesis, antibacterial activity 9940.
4-Amino-5-hydroxymethylpyrimidine,
role thiamine biosynthesis 5662.
9-Aminoacridine,
derivatives, Salmonella typhimurium, frameshift mutant 5841.
Aminoacyl-tRNA synthetase,
acetone inactivation, Escherichia coli 2750.
association, Escherichia coli elongation factor Tu, mediation, Naja oxiana ribonuclease, enzymes sensitivity 4828.
complex, dissociation, elongation factors, initiation factors, Escherichia coli, Staphylococcus utilis 2713.
Escherichia coli, substrate specificity, association ATP analogs 5741.
substrate specificity, Escherichia coli, yeasts 3979.
zinc content, effects on, Escherichia coli 1531.
Aminoacylase,
isoenzymes, purification, characterization, Pseudomonas diminuta 8580.
Aminoacylation,
correlation selenium content, tRNA Glu, Clostridium sticklandii 9691.
tRNA fMet analogs, Escherichia coli 12545.
tRNA Phe, chemical modification effects on, Escherichia coli 5717.
δ-(L-α-**Aminoadipyl)-L-cysteinyl-D-valine,**
Streptomyces clavuligerus conversion, penicillins 11356.
Streptomyces clavuligerus, cyclization, relationship, penicillins production 7748.
p-Aminoazobenzene,
biodegradation, Aeromonas hydrophila, Pseudomonas pseudomallei, characterization 7458.
α-Aminobutyric acid,
biosynthesis, colon microflora, release, blood, man 1917.
ϵ-Aminocaproic acid,
dimers, metabolism, Alcaligenes, nutrient sources, characterization, association plasmids 8410.
metabolism, Alcaligenes, enzymes 8627.
1-Aminocyclopropane-1-carboxylate deaminase,
mechanisms, Pseudomonas 7557.
2-Aminoethylphosphonic acid,
content, measuring techniques, association, feeds, rumen microorganisms 10876.
Aminoglycoside 3'-phosphotransferase,
Bacillus circulans, genes, mapping, plasmids 11329.
genes, plasmid pIP850, association, butirosin production, Bacillus circulans 8727.
Aminoglycoside acetyltransferase,
Pseudomonas aeruginosa, purification, characterization, antibiotic resistance, gentamicin, tobramycin 7826.
Aminoglycoside adenyltransferase,
Pseudomonas aeruginosa, purification, characterization, antibiotic resistance, gentamicin, tobramycin 7826.
Aminoglycoside adenylyltransferase,
purification, substrate specificity, Klebsiella pneumoniae, Escherichia coli, Serratia marcescens, Proteus vulgaris 1485.
Aminoglycoside antibiotics,
aerosols treatment, bronchopulmonary infection, gram-negative bacteria, man 10352.
antibacterial activity 7771.
antibacterial activity, antibiotic resistance, gram-negative bacteria clinical isolates 4168.
antibacterial activity, comparison ceftazidime, β-lactam antibiotics, cephalosporins, clinical isolates, gram-negative bacteria 5071.
antibacterial activity, digestive tract microflora, mice 10640.
antibacterial activity, disseminated infection, bacteria, animals, reviews 8096.
antibacterial activity, factors affecting, in vitro, in vivo, rabbits 1702.
antibacterial activity, gram-negative bacteria 7772.
antibacterial activity, Legionella micdadei, in vitro 9932.
antibacterial activity, Proteeae susceptibility, species diversity 9987.
antibacterial activity, Serratia marcescens, Klebsiella pneumoniae, Salmonella, Proteus, Erwinia, Citrobacter freundii, Staphylococcus aureus, Streptococcus faecalis 6783.
antibiotic resistance, Enterobacteriaceae clinical isolates 10010.
antibiotic resistance, Escherichia coli, Pseudomonas aeruginosa, enzymes 10011.
antibiotic resistance, mechanisms, bacteria, clinical isolates 12921.
antibiotic resistance, Pseudomonas aeruginosa plasmids, plasmid pYMB1 281.
antibiotic resistance, Pseudomonas aeruginosa, transduction, phage AP 10003.
antibiotic resistance, Streptococcus, Staphylococcus, clinical isolates, role enzymes 10012.
antibiotic sensitivity testing, gram-negative bacilli 11385.
antibiotic sensitivity testing, gram-negative bacteria, enzymes effects on 1751.
antibiotic sensitivity testing, Mycobacterium fortuitum 6787.
antibiotic sensitivity testing, Pseudomonas aeruginosa 4167.
antibiotic sensitivity testing, Pseudomonas aeruginosa, clinical isolates, calcium, magnesium, effects on 6782.
antibiotic sensitivity testing, Salmonella 9931.

lycoside antibiotics, (continued)
otic sensitivity testing, Streptococcus thermophilus, Lactobacillus
garicus 4189
otic synergism, azlocillin, mezlocillin, antibacterial activity,
udomonas aeruginosa 9968
otic synergism, cefoxitin, antibacterial activity, Enterobacteriaceae 362.
icrobial activity, reviews 5907
ocillin, Pseudomonas aeruginosa, respiratory tract infection, cystic
osis, man 11714.
ng, Bacillus subtilis spores, role, antibacterial activity 5932.
benicillin, ± ticarcillin, prophylaxis infection, neutropenia, man
9.
halosporins, septicemia, treatment, antibiotic resistance, neonates, man
31.
cterization 9939
arison, norfloxacin, antibacterial activity, gram-negative bacteria,
m-positive bacteria 8825.
arison, thienamycin, azlocillin, antibacterial activity, Pseudomonas
uginosa, strains 8762
sion, Escherichia coli membranes porins pores 10965.
ts on, Bacillus subtilis, spore germination, macromolecules biosynthesis,
rphology 6487
ts on GTP hydrolysis, tRNA interaction elongation factor Tu ribosomes
mplex, Escherichia coli 3913.
-negative bacteria, antibacterial activity, treatment, man 6781
-negative bacteria clinical isolates, antibiotic resistance, role plasmids,
zymes 5946.
anosuppression, antigen O erythrocytes attachment, Salmonella antibodies
magglutination 7921.
actam antibiotics, treatment, Pseudomonas aeruginosa infection, man,
views 11897
mycin combination, antibacterial activity, Staphylococcus aureus,
reptococcus group D, Escherichia coli 7764.
omonospora sagamiensis, structure 7730.
ification enzymatic, association, antibiotic resistance, Pseudomonas
ruginosa, Enterobacteriaceae 12678.
obacterium marinum, antibiotic sensitivity testing, in vitro 3003.
acillin, antibiotic resistance, Staphylococcus aureus, nosocomial infection
itbreaks, man 967
mids mediation, antibiotic resistance, Escherichia coli, Enterobacter,
lebsiella, Proteus, Salmonella, Serratia 401.
olymyxin, biosynthesis, treatment, Pseudomonas polymyxin, man 11997.
udomonas aeruginosa, antibacterial activity, cystic fibrosis, man, in vitro
703.
stance, bacteria, antibacterial activity, netilmicin 9936.
stance, Escherichia coli, role, membrane potential 9985
famycin+ethionamide, ethambutol, antibiotic sensitivity testing, Mycobacterium
906.
phylococcus aureus, antibiotic resistance 400.
phylococcus sensitivity 11428.
nulation toxicity, botulism, children, case reports 6914.
cture, antibacterial activity, production, toxicity 311.
thesis, antibacterial activity 9940.
nology, antibacterial activity 12886.
nsport, Bacillus subtilis, role, menaquinone 1705.
atment, Bacteroides, Pseudomonas, Staphylococcus, otitis media, man 13132.
atment, gram-negative bacilli, meningitis, man 905
atment, gram-negative bacteria, respiratory tract infection, pharmacokinetics,
man 13118.
atment, otolaryngeal infection, man, gram-negative bacteria 11710.
atment, prophylaxis, gram-negative bacteria infection, man 12002
atment, respiratory tract infection, Staphylococcus aureus, Pseudomonas
aeruginosa, children 10345.
oglycoside phosphotransferase,
e, antibiotic resistance, amikacin, Escherichia coli, plasmids, genetic
analysis 3047
oglycoside 3-acetyltransferase,
rification, characterization, Pseudomonas aeruginosa 8589
ninoisobutyric acid,
tive transport, sodium, efflux, Chromatium vinosum 3815.
nsport, L form, Streptococcus pyogenes 5612.
brio parahemolyticus, transport, role sodium, potassium 6504.
')2'(3')-O-(α-aminoisobutyryl)adenosine,
ptidyltransferase inhibition, Escherichia coli 9677.
ainolaevulinate synthase,
dotoxins Salmonella minnesota inhibition mechanisms, liver, mice 6011.
ninolevulinate synthase,
almonella minnesota endotoxins effects on, liver, mice 11513.
nomethylphosphonic acid,
alogs, antibacterial activity, structure-activity relationships 11463.
nopeptidase,
lteromonas, purification, characterization 4891.
3-butanedione chemical modification effects on activity 4934.
,3-butanedione inactivation, Aeromonas 8566.
eriplasmic space, purification, characterization, Alteromonas 4885.
urification, characterization, Alteromonas 3992.
urification, characterization, Alteromonas 4035.
inopeptidase P,
scherichia coli, assays, fluorometry 11167.
inophenylboronic acid,
ffects on dinitrogenase reductase inhibition, Rhodospirillum rubrum 1526.
-Aminophenyl)thiazoles,
erivatives, antitubercular agents, synthesis, tuberculosis, man 6836.
inopyrine,
iodegradation, Phenylobacterium immobilis, carbon sources, characterization
5675.
itrite, bacteria mutation, ascorbic acid effects on, mice 1628.
inosidine,
ntibacterial activity, gram-negative bacteria, clinical isolates 1706.
-doxorubicin, antibacterial activity, drug synergism, Escherichia coli 3076.
inotransferase,
hodopseudomonas acidophila, nitrogen metabolism, glycine 1545.
itracin,
ntibiotic resistance, Escherichia coli, pneumonia, man, case reports 3320.
meline,
odegradation, Pseudomonas+Sporothrix schenckii 9629.

Ammonia,
Actinomycetes, hay spoilage, antibacterial activity 6835.
antibacterial activity, Nitrosomonas 436.
association, protein biosynthesis, rumen microorganisms, sheep 6326.
compounds, oxidation, Nitrosomonas, Oryza sativa, carbofuran, effects on 8211.
effects on β-ureidopropionase biosynthesis, Rhodopseudomonas capsulata 1547.
effects on Bordetella bronchiseptica experimental infection, pigs 1075.
effects on growth, Mycoplasma pulmonis, respiratory tract infection, rats 11729.
metabolism, Gluconobacter oxydans subsp.suboxydans, glutamine synthetase+glutamate synthetase pathway, role 5655.
oxidation, Nitrosomonas europaea 8404.
oxidation, Nitrosomonas europaea, cell-free system 5670.
Pseudomonas, metabolism, polyacrylamide biodegradation 8415.
shock, association glutamine synthetase inactivation 12687.
transport, Rhizobium leguminosarum 12322.
utilization, soil microorganisms, temperature effects on 13467.
Ammonification,
bacteria, organic matter decomposition, microbiology, marine environment 5543.
calcium sulfide, inhibition, soil, microorganisms 10800.
clay industrial wastes, nitrogen cycle, Agrostis tenuis, Festuca rubra, Trifolium repens 8176.
soil, copper effects on 1220.
straw, rumen microorganisms biodegradation, sheep 8079.
Ammonium,
association, continuous culture, Clostridium acetobutylicum, acetone butanol biosynthesis 11250.
Azotobacter vinelandii, active transport, kinetics 2613.
effects on, nitrogen fixation, Oryza sativa, soil 1173.
effects on, Rhizobium lupini, bacteroids, glutamate synthase 12667
feedback inhibition, nitrogenase, Azotobacter vinelandii, Klebsiella pneumoniae, Clostridium pasteurianum 2808.
oxidation, bacteria, nitrification, marine environment 10804.
production, Citrobacter soil isolates, nitrite reduction 6419.
Rhizobium, regulation nitrogenase, nif gene 9834.
utilization, deficient mutant, growth, Rhizobium meliloti 12407.
Ammonium lactate,
fermentation, Lactobacillus bulgaricus, dialysis, mathematical models 13.
Ammonium nitrate,
effects on, nodulation, nitrogenase, enzymatic activity, Vigna mungo 2476.
Amnion,
infection, association, body temperature, leukocytes incidence, bacteria detection, man 3381.
Amniotic fluid,
antibacterial activity, Bacteroides fragilis, streptococcus group B, in vitro 12943.
infection, association, sepsis, bacteria, neonates, man 11935.
man, antibacterial activity 3105.
man, bacteria isolation, glycopeptides, antibacterial activity, in vitro 10047.
Amniotic membrane,
rupture, streptococcus group B, man 870.
Amoeba,
Shigella, Campylobacter, fluids, rehydration, diarrhea, treatment, 10363.
Amoeba proteus,
symbiosis, bacteria, effects on nuclei phenotypes 10759.
Amoebae,
association, intrauterine devices, man, case reports 2070.
Amoscanate,
transformation, mutagens, role, Streptococcus equinus, intestine, gnotobiotics, mice 12080.
Amoxicillin,
antibiotic synergism, clavulanic acid, antibacterial activity, Haemophilus ducreyi, susceptibility 333.
bactericidal activity 12891.
bactericidal activity, Enterobacteriaceae 6812.
+bromhexin, treatment, respiratory tract infection, bacteria, adults, man 3348.
+bromhexin, treatment, respiratory tract infection, bacteria, children 3349.
+clavulanic acid, antibacterial activity, treatment, urinary tract infection, respiratory tract infection, reviews 3038.
+clavulanic acid, antibacterial activity, urinary tract infection, man 11810.
clavulanic acid, antibiotic synergism, in vivo, in vitro, Haemophilus influenzae 321.
± clavulanic acid, treatment, experimental infection, bacteria, animals 10658.
± clavulanic acid, treatment, urinary tract infection, penicillin resistance bacteria, man 11805.
+clavulanic acid, treatment, urinary tract infection, Enterobacteriaceae, man 11826.
comparison, erythromycin, cotrimoxazole, treatment, respiratory tract infection, bacteria, children 11733.
+flucloxacillin, treatment, thorax empyema, children 13315.
treatment, bacteria pneumonia, man 11739.
treatment, Haemophilus influenzae, Streptococcus pneumoniae, respiratory tract infection, man 13121.
treatment, Neisseria gonorrhoeae infection, man 10410.
treatment, non-specific urethritis, association, Chlamydia trachomatis infection, man 919.
treatment, otitis media, children 13129.
treatment, pneumonia, Legionella micdadei, man, British Isles, case reports 3334.
treatment, respiratory tract infection, children 785.
treatment, Salmonella typhi, osteomyelitis, spine, man 3439.
treatment, Salmonella typhi, Salmonella paratyphi, bacteremia, bacteriuria, man 3376.
treatment, Streptococcus, pharyngitis, tonsillitis, man 13122.
treatment, urinary tract infection, children 13200.
treatment, urinary tract infection, man 7052.
treatment, urinary tract infection, man 10391.
Amoxycillin,
antibacterial activity, Escherichia coli, in vitro, in vivo 5062.
antibacterial activity, Escherichia coli, measurement, enumeration spiral plater 5927.
antibacterial activity, gram-negative bacteria, in vitro, treatment, infection, mice 4563.
antibacterial activity, respiratory tract bacteria, man 805.
clavulanic acid, antibacterial activity; inhibition, penicillinase, Neisseria gonorrhoeae 4173.
+clavulanic acid, treatment bronchitis, man 9090.

Amoxycillin, (continued)
- treatment, bacteria, urinary tract infection, man 4425.
- treatment, urinary tract infection, man 9151.

AMP,
- Azotobacter beijerinckii, levels, growth rate, nutrient concentrations, effects on 1411.
- derivatives, inhibition, IMP dehydrogenase, Escherichia coli 4933.
- metabolism, relationship, adenylate kinase enzymatic activity, Vibrio natriegens, marine environments isolates 2772.

AMP nucleosidase,
- Azotobacter vinelandii mutants, purification, characterization 2807.

Amphibola crenata,
- deposit feeding, effects on productivity, bacteria, intertidal environment, New Zealand coastal environment 8189.

Amphimallon majalis,
- milky disease, pathogenesis, Bacillus 9380.

Amphipoda,
- intestinal microflora, growth, pressure effects 1128.

Amphomycin,
- penicillin, effects on levansucrase biosynthesis 8619.

Amphotericin B,
- +chromomycin A3, antibacterial activity, Bacillus subtilis, in vitro 1740.

Ampicillin + flucloxacillin,
- prophylaxis, postoperative infection, thorax surgery, man 772.

Ampicillin,
- antibacterial activity, bacteria, temperature effects on 5053.
- antibacterial activity, Escherichia coli, in vitro, in vivo 5062.
- antibacterial activity, Escherichia coli, in vivo simulations 9973.
- antibacterial activity, Escherichia coli, regrowth 12892.
- antibacterial activity, Escherichia coli, strains 9959.
- antibacterial activity, Escherichia coli, Streptococcus faecalis 12903.
- antibacterial activity, gram-negative bacteria, in vitro, treatment, infection, mice 4563.
- antibacterial activity, gram-positive bacteria 1716.
- antibacterial activity, respiratory tract bacteria, man 805.
- antibacterial activity, Shigella 1699.
- antibacterial activity, Staphylococcus aureus, Streptococcus, Haemophilus influenzae 12907
- antibacterial activity, Streptococcus group B, antibiotic antagonism, chloramphenicol, treatment, meningitis 3008.
- +antibiotic CP-45,899, treatment, infection, man, bacteria, ampicillin resistant 9207.
- antibiotic resistance, Bordetella bronchiseptica, R factors, characterization 5938.
- antibiotic resistance, clinical isolates, Haemophilus influenzae, Streptococcus pneumoniae, Streptococcus group A, Staphylococcus aureus, agar dilution test 7832.
- antibiotic resistance, Enterobacteriaceae 5958.
- antibiotic resistance, Enterobacteriaceae, R factors, penicillinase 12924.
- antibiotic resistance, Escherichia coli, caecum, pigs 10639.
- antibiotic resistance, Escherichia coli, mutants, R factor Rms201, maintenance 1691
- antibiotic resistance, Haemophilus ducreyi, association, plasmids 11331.
- antibiotic resistance, Haemophilus ducreyi, plasmids, transfer, Escherichia coli 7697
- antibiotic resistance, Haemophilus influenzae, epidemiology, children 379.
- antibiotic resistance Haemophilus influenzae infection, children 10474.
- antibiotic resistance, Haemophilus influenzae, R factors, genetic relationship 1677.
- antibiotic resistance, Haemophilus influenzae, screening, carriers, man 6829.
- antibiotic resistance, Haemophilus influenzae type b, arthritis, children 5399.
- antibiotic resistance, Haemophilus influenzae type b, treatment, soft tissue infection, infants 2179.
- antibiotic resistance, Haemophilus paraphrophilus, pneumonitis, new records, case reports, man 6993.
- antibiotic resistance, Klebsiella clinical isolates, hospitals patients 9998.
- antibiotic resistance, Neisseria gonorrhoeae, plasmids, association, transposon Tn2301, characterization 5877
- antibiotic resistance, plasmids, expression, Escherichia coli, mutants, colicin K colicins 2910
- antibiotic resistance, plasmids, transfer, penicillinase, role 7839.
- antibiotic resistance, Salmonella johannesburg, IncFI plasmid, incompatibility 9856.
- antibiotic resistance, Salmonella typhimurium clinical isolates 7816.
- antibiotic resistance, Salmonella typhimurium, plasmids 402.
- antibiotic resistance, transfer, role R factors, Salmonella newport 5031.
- antibiotic sensitivity testing, Bordetella pertussis, clinical isolates 7769.
- antibiotic sensitivity testing, gram-positive bacteria, Haemophilus influenzae, in vitro 9924.
- antibiotic sensitivity testing, Listeria monocytogenes, in vitro 9941.
- antibiotic sensitivity testing, Mycobacterium, clinical isolates 8756.
- antibiotic sensitivity testing, Neisseria gonorrhoeae, agar dilution test, agar diffusion test 6776.
- antibiotic sensitivity testing, Pseudomonas aeruginosa, pyocin typing, aeruginocine 8785.
- antibiotic sensitivity testing, Salmonella, isolates 8759.
- antibiotic sensitivity testing, Shigella dysenteriae, Shigella flexneri, Shigella boydii 6825.
- antibiotic sensitivity testing, Streptococcus group D clinical isolates 5905.
- antibiotics treatment, Escherichia coli infection, pigs digestive tract 6202.
- bactericidal activity 12891.
- bactericidal activity, Haemophilus influenzae, chloramphenicol effects on 6802.
- ± cefotaxime, antibacterial activity, Streptococcus group B 334.
- +cefsulodine, antibacterial activity, Serratia marcescens, antibiotic sensitivity testing, antibiotic synergism 3018.
- +chloramphenicol, antibiotic synergism, gram-negative bacteria 5109.
- +chloramphenicol, cefuroxime, treatment comparison, bacteria meningitis, man 13218.
- comparison, bracen, treatment, respiratory tract infection, bacteria, children 9111.
- comparison, cefaclor, antibacterial activity, Haemophilus influenzae 6790.
- comparison, cefoperazone, treatment, meningitis, animal models 11847.
- comparison, cetriaxone, moxalactam, Salmonella typhimurium, experimental infection, mice 11896.
- +dicloxacillin, treatment, bacteria infection, children 11894
- disc-diffusion test, quality control 6807.

Ampicillin, (continued)
- drug resistance, Haemophilus influenzae, man, incidence 8798.
- effects on, immune response, lymphocytes T, Listeria monocytogenes infection, mice 1900.
- effects on monocytes phagocytosis, Escherichia coli, mice 11582.
- effects on plasmids, Escherichia coli intestine isolates 12842.
- +erythromycin, antibacterial activity, Listeria monocytogenes, growth 9963.
- Escherichia coli, antibiotic resistance, transposons, transcription 9871.
- Escherichia coli, Klebsiella, antibiotic resistance 384.
- +flucloxacillin, prophylaxis, postoperative infection, thorax surgery, man 986.
- +gentamicin, antibiotic synergism, mice, meningitis, Streptococcus group B experimental infection 13212.
- Haemophilus influenzae plasmids, role, clinical isolates 5949.
- +mecillinam, treatment, Escherichia coli meningitis, animal models 9180.
- ± moxalactam, antibacterial activity, Streptococcus group B 334.
- Neisseria gonorrhoeae, antibiotic sensitivity testing 1728.
- Neisseria gonorrhoeae, antibiotic sensitivity testing, Nigeria 1731.
- +pencillinase inhibitors, treatment, Staphylococcus aureus, endocarditis, experimental infection, rabbits 4577.
- prophylaxis, postoperative infection, appendicitis, man 10383.
- prophylaxis, postoperative infection, heart, surgery, timing, man 3513.
- resistance, Haemophilus influenzae type b, infection, man, meningitis, association, penicillinase biosynthesis 8816.
- resistance, plasmids, Haemophilus ducreyi, characterization 7701.
- resistance, population studies, Escherichia coli, Enterobacter cloacae 12926.
- ± rifampicin, ± cotrimoxazole, antibiotic sensitivity testing, Listeria monocytogenes clinical isolates 5968.
- ± rifampicin, ± streptomycin, treatment, pyelonephritis, Streptococcus faecalis, animal models 862.
- +rifamycins, inhibition, antibacterial activity, Streptococcus group B 9977.
- Salmonella typhi, Salmonella paratyphi, antibiotic resistance, agar dilution test 3044.
- Serratia marcescens, infection, antibiotic resistance, hospitals, neonates, man 3069
- +sisomycin, treatment, gram-negative bacteria infection, man 984.
- +sulbactam, antibiotic prophylaxis, effects on, intestinal microflora, aerobic bacteria, comparison, anaerobic bacteria, man 11654.
- treatment, association, antibiotic resistance, Haemophilus influenzae, otitis media, children 10324.
- treatment, bacteria bronchitis, man 11747.
- treatment, bacteria infection, children 9242.
- treatment bronchitis, man 13120.
- treatment, cellulitis, Haemophilus influenzae, man, case reports 689.
- treatment effects on intestinal microflora, rabbits 9322.
- treatment, endocarditis, Actinobacillus actinomycetemcomitans, man, case reports 2183.
- treatment, genitourinary tract infection, Chlamydia trachomatis, females, case reports, man 10390.
- treatment, meningitis, administration routes, relationship, levels, serum, cerebrospinal fluid, man 899.
- treatment, Neisseria gonorrhoeae infection, rabbits 3425.
- treatment, pelvic inflammatory disease, man 13189.
- treatment, pneumonia, Legionella micdadei, man, British Isles, case reports 3334.
- treatment, Salmonella typhi, Salmonella paratyphi, bacteremia, bacteriuria, man 3376.
- treatment, Shigella, dysentery, comparison, compound Ro-12-2510, man 2042.
- treatment, shigellosis, man 3437.
- treatment, urethritis, man, association Neisseria gonorrhoeae penicillinase productivity 6245.

Ampilcillin,
- treatment, bronchitis, man 806.

Ampiox,
- treatment, gonorrhea, clinical aspects, man, children 10437.

Ampullariella regularis subsp.mannitophila subsp.nov.,
- biosynthesis, candiplanecin, antifungal activity 4160.
- biosynthesis, candiplanecin, isolation, characterization, antifungal activity 4153.

Amputation,
- association, gas gangrene, Clostridium perfringens, prophylaxis, treatment, penicillin, metronidazole, man 10576.

Amputation stump,
- infection, man 5424.

m-AMSA,
- misonidazole, effects on radiosensitization, toxicity, Escherichia coli 12950.

Amylase,
- Bacillus resting cells, biosynthesis, factors affecting 2815.
- Bacillus, thermal stability, characterization 12587.
- biosynthesis, Streptomyces rimosus, soil isolates, characterization 12599.

α-Amylase,
- Alteromonas rubra, secretion, carbon sources, glucose, characterization 9735.
- amino acid sequence, Bacillus amyloliquefaciens 3961.
- amino acid sequence, Bacillus licheniformis, comparison, Bacillus amyloliquefaciens, Bacillus subtilis 5743.
- Bacillus subtilis, extracellular enzymes biosynthesis, sporulation 8573.
- genes, association, penicillinase biosynthesis, Escherichia coli, genes transfer, Bacillus subtilis 12645.
- genes, association, penicillinase biosynthesis, Escherichia coli, genes transfer, Bacillus subtilis 12655.
- genes, isolation, promoters, N-terminus, nucleotide sequence, Bacillus amyloliquefaciens 4799.
- pigs pancreas, inhibitors, Streptomyces griseosporeus, isolation, characterization 3804.

β-Amylase,
- inhibitors, biosynthesis, isolation, structure-activity relationships 12595.

Anabaena,
- heterocysts, nitrogen fixation, Pseudomonas, Zoogloea, attachment, effects on 4615.
- nitrogenase iron protein, amino acid sequence, comparison Azotobacter vinelandii, Clostridium pasteurianum, Klebsiella pneumoniae, phylogeny 7534.
- syngergism, Zoogloea, association, carbon dioxide limitations continuous culture 9426.

Anabaena cylindrica,
- nitrogen metabolism, association, hydrogen uptake 3860.
- phototrophic bacteria, hydrogen production, reviews 2843.

Anabaena variabilis,
- association, Mycobacterium brevicale, biodegradation, oil, growth, factors

aena variabilis, (continued)
  affecting 12363
olism,
  izobium, fungicides effects on 3089
ystis nidulans,
  take, Saccharomyces cerevisiae protoplasts, ethylene glycol, induction, mechanisms 4619.
erobic bacteria,
  domen infection, treatment, metronidazole, clindamycin, man 11866.
  tibacterial activity, ceftriaxone, comparison, β-lactam antibiotics 9945.
  tibacterial activity, erythromycin 367.
  tibacterial activity, moxalactam, cefotaxime 6796.
  tibacterial activity, niridazole, comparison, metronidazole 10040.
  tibacterial activity, nitroimidazoles 10036
  tibacterial activity, nitroimidazoles, infection, treatment, prophylaxis, man, conferences 10849
  tibacterial activity, nitroimidazoles, reviews 10037
  tibacterial activity, pipecolic acid amide 9979
  tibacterial activity, thiolactomycin 11421
  tibiotic resistance 11439
  tibiotic resistance, determinants, macrolide antibiotics, lincosamide, streptogramin, genes transfer 11433
  tibiotic sensitivity testing, clinical isolates, clinical microbiology 12878.
  tibiotic sensitivity testing, drug sensitivity testing, diffusion tests, dilution tests 11380
  ssociation, otitis media, man 2004
  ssociation wetwood 6401
  ephalosporins, moxalactam, thienamycin, antibacterial activity 3014.
  ervical microflora, children 9070
  linical isolates, antibacterial activity, cefsulodin, cefoxitin 6794.
  linical isolates, antibacterial activity, metronidazole metabolites 10033
  linical isolates, isolation, identification, man, clinical microbiology 12231
  linical isolates, pelvis infection, antibiotic sensitivity testing, β-lactam antibiotics 11407
  omparison, aerobic bacteria, ampicillin+sulbactam, antibiotic prophylaxis, effects on, intestinal microflora, man 11654
  ulture, isolation, identification 10916.
  mulsifiers, antibacterial activity, use preservatives,
  ndocarditis, diagnosis, clinical aspects, case reports, man 9251.
  numeration, USA, Ohio, water supplies 10811.
  sculin hydrolysis, measuring techniques 2568
  asciola hepatica microflora 13419.
  ecal microflora, Crohn's disease, man 5266
  ermentation, cystine trypticase media, methodology 9513.
  gas gangrene, hyperbaric oxygen therapy, man 2303.
  gas production, intestinal microflora, man 12735.
  genital tract infection, treatment, cefotaxime, females, man 2100.
  gram-positive bacilli, isolation, culture, identification 10915
  gram-positive cocci, identification, clinical microbiology 12229
  head and neck infection, man 13260.
  hydrolases, clinical isolates 1543
  identification, antibiotic sensitivity testing 8286.
  identification, association, antibiotic sensitivity testing, methodology 9557.
  identification, clinical microbiology 5580
  identification, gas chromatography 9560
  identification, gas chromatography 9573
  immunoglobulin G antibodies, detection, blood donors, man 571
  induction, antibody response, agglutinins, mice, rats 11618
  infection, children 10624
  infection, diagnosis, children 8068.
  infection, diagnosis, man 2304.
  infection, diagnosis, treatment, man 9259.
  infection, erythrocytes, antigen T activation, blood transfusion reaction, man 13252.
  infection, lung, pelvis, clindamycin treatment, man 10344
  infection, man, antibacterial activity, metronidazole 9217
  infection, man, antibiotics treatment 10591
  infection, man, endocarditis, clinical aspects 11886
  infection, man, liver abscesses, treatment, syringes aspiration 8059.
  infection, man, reviews 10604
  infection, man, treatment, tinidazole 11890.
  infection, man, vaginitis, characterization 13204.
  infection, man, vaginitis, characterization 13205.
  infection, metronidazole treatment, man 11936.
  infection, spectinomycin treatment, man 11855.
  infection, spectinomycin treatment, man 13225.
  infection, treatment, moxalactam, cancer patients 11982.
  infection, treatment, prophylaxis, 5-nitroimidazoles, man 11979.
  inhibition, Candida albicans, oral microflora, mice, in vitro 1051.
  isolation, abscesses, pigs 8094
  isolation, characterization, methodology 10855
  isolation, characterization, soft tissues infection, cats, dogs 9570.
  isolation, identification, dental infection, diagnosis, man 13106.
  isolation, methodology, association, genital tract specimens 10853.
  isolation, tonsillitis, recurrent infection, children 1989
  josamycin antibacterial activity, in vitro 8783.
  josamycin, +antibiotics, antibacterial activity, infection treatment, man 10485.
  lung abscesses, treatment, man, case reports 6971.
  mastitis, metronidazole treatment, puerperium, man 7117.
  microflora, vagina, cervix, association, menopause, man 3269.
  mixed infection, man 2282.
  mutagenesis, antibacterial activity, 5-nitroimidazoles, reviews 10035.
  otitis media, detection, localization, man 1998.
  phagocytosis, intracellular killing, association, anaerobic conditions, aerobic conditions 2672.
  postoperative infection, association, abdomen surgery, treatment, man 10628.
  postoperative infection, metronidazole prophylaxis, appendectomy, man 10377.
  postoperative infection, pretreatment, tinidazole, colon, surgery, man 2230.
  postoperative infection, tinidazole prophylaxis, effects on intestinal microflora, man 10286.
  respiratory tract infection, cefoperazone treatment, man 10349.
  respiratory tract infection, clinical aspects, man 11707.
  respiratory tract infection, diagnosis, treatment, children 6978.
  respiratory tract infection, man 13156.
  respiratory tract infection, tinidazole treatment, man 11709.
  role, tonsillitis, children 1983.
Anaerobic bacteria, (continued)
  sinusitis, diagnosis, man 13133.
  Spirochaeta, isolation, hydrothermal vents, marine environment, Galapagos 8245.
  susceptibility, clindamycin antibacterial activity, man 11416.
  thienamycin antibacterial activity 8777.
  urethra microflora, association, susceptibility, urinary tract infection, females, man 1920
  vaginitis, metronidazole treatment, clinical aspects, man 11802
Anaerobic conditions,
  association, phagocytosis, intracellular killing, anaerobic bacteria 2672.
  bacteria, glucose, metabolism, acid production, N.M.R 4070.
  Bacteroides fragilis, Fusobacterium, carbon dioxide, effects on erythromycin antibacterial activity 6813.
  benzoic acid, metabolism, Pseudomonas aeruginosa, Acinetobacter, Moraxella 102.
  Chloroflexus aurantiacus bacteriochlorophyll biosynthesis 142
  clay, denitrification, effects on nitric oxide 7335.
  dimethyl sulfoxide, energy transduction, electron transport chain, chromatophores, Rhodopseudomonas capsulata 5684.
  effects on colonies formation, Escherichia coli polA gene, recB gene, mutants 12336
  environmental conditions, sediments, marine environment 8220.
  Escherichia coli growth 15
  Escherichia coli, trimethylamine N-oxide reductase, protons, translocation, molybdenum, requirements 3963
  isolation, Salmonella typhi, mutants, typhoid fever, man 11779.
  lignin fragments biodegradation, bacteria 12370.
  Pseudomonas aeruginosa, alkanes biodegradation 8414
  Pseudomonas pseudoalcaligenes metabolism, di-butyl phthalate, association, nitrate 9639.
  relationship, antibiotics antibacterial activity, Staphylococcus epidermidis 3002.
  Rhizobium japonicum growth 2465.
  Salmonella typhimurium cysM gene mutants, sulfite reductase induction 12651
  soils, nitrogen mineralization 8167.
  spore-forming bacteria, dairy products contamination 9654
  Thiobacillus neapolitans, fermentation, glucose polysaccharides, intracellular levels 8450
Anaerobic digestion,
  fatty acids digestion (anaerobic), soil 8208
Anaerobic environments,
  aquatic environment, sulfide, carbon dioxide, measuring techniques 8222.
  Clostridium sporogenes growth, anotox absorption inhibitors, hydrogen sulfide, fatty acids 10864
  media, redox potential, measuring techniques 5552.
  methanogenic bacteria, ecological distribution, methanogenesis 12176.
  salt marshes, fatty acids metabolism, microorganisms 12713
Anaerobic microorganisms,
  Actinomyces, osteomyelitis, clinical aspeets, case reports, dogs 10715.
  +aerobic bacteria, mixed infection, cost-benefit analysis, antibiotics treatment 6290
  biodegradation, diuron, ponds sediments 8425.
  blood culture, sucrose, effects on, growth, man 9622
  dental pulp, sampling, media (culture), methodology 1265
  gram-negative bacteria, rods, taxonomy 8327
  gram-negative bacteria, rods, taxonomy 8329
  leucine fermentation, association, isovaleric acid, isocaproic acid 9726
  mixed culture, mesophilic bacteria, cellulose conversion, ethanol 7462
  rectum fistulae, relationship, meningitis, man, case reports 13223
  wetwood, biochemical characteristics, identification, Populus deltoides, Ulmus americana 3665
Anaerobic plate method,
  Clostridium bifermentans, assays, chloramphenicol, clindamycin, metronidazole, methodology 2955
Anaerobic respiration,
  Campylobacter fetus subsp jejuni, association, hydrogen atmosphere 12451.
  growth conditions, triethylamine oxide, dimethyl sulfoxide, Rhodospirillum vubrum, Rhodopseudomonas capsulata 5661
  Proteus mirabilis, linkage, formate dehydrogenase 8626
  Proteus, trimethylamine oxide, phosphorylation, serine transport 5660
Anaerobiosis,
  media (culture), blood culture, effects on aerobes 8263
  rabbits trachea, organ culture, Bacteroides fragilis 7466
Anaeroplasma,
  infection, cattle, reviews 6364
  mycoplasmosis, domestic animals 10685
Analogs,
  amikacin, antimicrobial activity, eye pathogens 5908.
Analyzers,
  antibiotic sensitivity testing, bacteria clinical isolates 7351
  liquids levels, continuous culture methodology 5551
Anaplasma,
  anaplasmosis, disease control, imidocarb, cattle 10670
  infection, animals, tropical environments, parasitic diseases effects on public health 13369
  isolation, characterization, turkeys 5599.
Anaplasma centrale,
  DNA, fluorescence, assays 17
Anaplasma marginale,
  anaplasmosis, disease transmission, Hippobosca rufipes, Stomoxys calcitrans, cattle 3594
  anaplasmosis, incidence, cattle, Brazil 7267
  anaplasmosis, juveniles, cattle, Brazil 7245
  antibodies, detection, use, agglutination, complement fixation, cattle 1840
  experimental infection, immune response (cell-mediated), cattle 3228.
  experimental infection, treatment, oxytetracycline, cattle 13387.
  freeze-drying, infectivity, characterization 5571.
  infection, antibody response, cattle, juveniles, Bolivia 11578.
  infection, diagnosis, latex agglutination, cattle 4245.
  infection, disease transmission, Boophilus microplus, pest control, infestation, livestock, Australia 4549
  infection, disease transmission, Cricetomys gambianus, cattle, juveniles, Nigeria 3631
  infection, effects on blood gases, pH, electrolyte balance, cattle 13391.
  infection, effects on membrane protein, erythrocytes, cattle 7240
  infection, rats, Nigeria 4548.
  infectivity, temperature effects on, relationship, Dermacentor andersoni 10697

Anaplasma marginale, (continued)
  isolation, Rhipicephalus simus 1.
  labelling, immunoperoxidase test, association, Dermacentor andersoni 8901.
  pathogens, animals, detection, reviews, serological tests 11529
  purification, association, erythrocytes lysis, methodology 8251.
  transmission, blood sucking Arthropoda, cattle, reviews 9374.
Anaplasma marginale subsp.centrale,
  vaccines preparation, cryopreservation, association, infectivity, cattle 9047.
Anaplasmosis,
  animals, pathogens, detection, reviews, serological tests 11529.
  animals, tropical environments, effects on public health 13369.
  disease control, imidocarb, cattle 10670.
  disease transmission, Hippobosca rufipes, Stomoxys calcitrans, cattle 3594.
  incidence, cattle, Brazil 7267.
  juveniles, cattle, Brazil 7245.
Anas,
  botulism diagnosis, detection, Clostridium botulinum toxins, feces 2366.
Anas platyrhynchos,
  botulism diagnosis, detection, Clostridium botulinum toxins, feces 2366.
  conjunctivitis, rhinitis, Chlamydia psittaci, isolation 6359.
Anatidae,
  infection, Erysipelothrix rhusiopathiae, characterization 12045.
Androgens,
  abnormalities, association, acne, man, females 681.
Androsta 1,4-diene-3,17-dione,
  phytosterol, transformation, Arthrobacter simplex, characterization 11234.
Androsta-4-ene-3,17-dione,
  biodegradation, Nocardia restricta, association, 3-oxosteroid Δ^1-dehydrogenase biosynthesis 6629.
Anesthesia,
  unit, bacteria filtration, role, prophylaxis, postoperative infection, pneumonia, man 1975.
  unit, sterilization, role, prophylaxis, postoperative infection, lung, man 1986.
Anesthetics,
  relationship, hyperthermia, bacteria, survival, in vitro 12953.
Aneurysm,
  aorta, syphilis, man 10439.
  bacteria, brain, rupture, association heart surgery, man 6242
  Escherichia coli endocarditis presentation, man, case reports 7093.
  false, association, sepsis, man 13290.
  false, association, Staphylococcus aureus osteomyelitis, pericarditis, man, case reports 7143.
  Salmonella dublin, man 13355
  tuberculosis, association fistulae, aorta man, surgery 6303.
Angelicin,
  derivatives, effects on DNA, Escherichia coli, Ehrlich ascites tumor cells, phototoxicity, guinea-pigs 11456.
Angiography,
  liver tuberculosis, man, case reports 2239.
Angiospermae,
  actinomycetes nodules, incidence, Pakistan 1217.
  aquatic environment, nitrogen fixation, nitrogen-fixing bacteria, seasonal variations 10801.
Anguilla,
  bacteria infection, diagnosis, indirect fluorescent antibody test 7270.
Anguilla anguilla,
  juveniles, Edwardsiella tarda infection, mortality 6333.
Anguilla japanica,
  Flexibacter columnaris, infection, contamination, feeds, aquaria 4572.
Anguilla japonica,
  Edwardsiella tarda infection, pathogenicity 2373.
  isolation, Vibrio vulnificus, biotypes, pathogenicity 12059.
Anguilla rostrata,
  furunculosis, Aeromonas salmonicida 1088.
  pathogens, bacteria 6330
Anguina funesta,
  vectors, Lolium rigidum toxicity, Corynebacterium, biological control, Dilophospora alopecuri 5164
Anilazine,
  Escherichia coli growth, effects on 12944
Aniline,
  association, 3,4-dichloroaniline mineralization enhancement, Pseudomonas putida 10782.
1-Anilino-8-napthalensulfonic acid,
  fluorescent probe, heat shock, cell membranes, Escherichia coli 8365.
Animal breeding,
  horses, Pseudomonas aeruginosa infection, penis, treatment 10676.
Animal cells,
  association, clinical isolates, toxigenicity, Staphylococcus coagulase test negative 5992.
Animal models,
  antibacterial activity, rabbits urinary bladder glycosaminoglycans effects on bacteria adherence 6226.
  baboons, bacteria colonization, tongue, relationship, keratinization 5476.
  bacteria, infection, bone, joints, antibiotics treatment 5387.
  bacteria infection, immunity (cell-mediated), reviews 9017.
  berberine effects on enterotoxins, Vibrio cholerae, Escherichia coli 4241.
  burn infection, Proteus mirabilis, Pseudomonas aeruginosa 945.
  Campylobacter fetus subsp.jejuni, enteritis 821.
  cats, bacteria, dental roots, growth, experimental infection 1960.
  chinchillas, Streptococcus pneumoniae bacteremia, splenectomy effects on 5376.
  Chlamydia trachomatis infection, genitourinary tract, man 13248.
  clindamycin induction enterocolitis, pathology, association, Bacillus pumilus 13181.
  Corynebacterium parvum, immunostimulation, macrophages activation, tumors 5207.
  Corynebacterium parvum, radioactive labelling, technetium-99m, distribution, organotropism 3470.
  dental caries, sweeteners, effects on, rats 6962.
  disease resistance, cholera, Vibrio cholerae toxins activation adenylate cyclase, mice 6872
  dogs, periodontitis, ligature replacement, metronidazole effects on 6159.
  dogs, pneumonia, plasma levels, effects on respiration 9095.
  dogs, postoperative infection immunopathology, sutures materials effects on 1028.
  dogs, respiratory tract ciliary movement, Bordetella bronchiseptica, effects on 3345.
  dogs, Staphylococcus aureus postoperative infection, experimental, sutures materials effects on 1039.
Animal models, (continued)
  endophthalmitis, Staphylococcus aureus, cefazolin toxicity testing, rabbits 11873.
  endotoxin shock, Escherichia coli, effects on myocardium proteins contractility 484.
  endotoxin shock, Escherichia coli, role, opiates receptors, dogs 6873.
  Enterobacteriaceae enteritis, vaccination, infection prophylaxis, man 11647.
  Escherichia coli infection, urinary tract, man 13203.
  Escherichia coli meningitis, treatment, mecillinam, ± ampicillin, ± moxalactam 9180.
  Escherichia coli septic shock, relationship, vasopressin plasma levels 11962.
  experimental infection, pathogenesis 13295.
  gerbils, Chinchilla laniger, otitis media, Streptococcus pneumoniae, Haemophilus influenzae 6182.
  gnotobiotics, bacteria infection, defense mechanisms, intestinal microflora 8122.
  gnotobiotics dogs, pathogenesis, colitis, Campylobacter jejuni 12079.
  guinea-pigs, Pseudomonas aeruginosa pneumonia, treatment, N-formimidoyl thienamycin, ticarcillin, tobramycin 10315.
  immune response, Streptococcus pneumoniae polysaccharides antigens 6912.
  immunity bacteria assays, pollutants immunosuppression 13026.
  immunity, man, Staphylococcus aureus infection, immunosuppression, opsonization fibronectin 10183.
  immunogenicity, Shigella sonnei lipopolysaccharides, antigenic characteristics 13008.
  inactivation bacteria topical application, induction immune response, treatment, skin infection 7934.
  intestinal microflora, gnotobiotics (germfree), mice 4538.
  Klebsiella experimental infection, glucose-6-phosphate effects on fosfomycin treatment, man 11985.
  leukocytes (polymorphonuclear), blood, leukocyte migration, milk, Escherichia coli Endotoxins effects on 8897.
  leukocytes (polymorphonuclear) dispersal, keratitis, guinea-pigs cornea, transfusion, association Pseudomonas aeruginosa 7943.
  liver, Bacteroides fragilis infection, oxygenation effects on 3500.
  lymph nodes, granuloma, Mycobacterium leprae, BCG, Mycobacterium kansasii, ultrastructure, immune response 548.
  Macaca fascicularis, dental plaque, Streptococcus mutans, population dynamics 10302.
  marmosets, Chlamydia trachomatis, genital tract, experimental infection, immunity 6218.
  meningitis, bacteremia, experimental infection, Streptococcus group B, pathology 2132.
  meningitis, Haemophilus influenzae, Streptococcus pneumoniae, treatment, β-lactam antibiotics 7073.
  meningitis, treatment, cefoperazone, comparison, penicillins, gentamicin 11847.
  mice, Actinomyces viscosus oral infection, immune response 6083.
  mice, bacteremia, Klebsiella pneumoniae, muramyl dipeptide, immunostimulation 10520.
  mice, Bordetella pertussis hyperinsulinemia 993.
  mice, Brucella suis experimental infection, penicillin treatment, L form isolation, characterization 7213.
  mice, burn infection, Pseudomonas aeruginosa, antibacterial agents 13330.
  mice, Chlamydia trachomatis genitourinary tract infection, role, progesterone 2054.
  mice, Escherichia coli enterotoxemia diarrhea, treatment, chlorpromazine, propranolol 6201.
  mice, Escherichia coli postoperative infection, immunostimulation effects on 2188.
  mice, Escherichia coli pyelonephritis, experimental infection, antibody response 864
  mice, eye infection, Pseudomonas aeruginosa, resistance, genetic analysis 997.
  mice, Haemophilus influenzae infection, kinetics, vaccination, inoculation route, effects on 965
  mice, Mycobacterium lepraemurium identification, in vitro culture 5577.
  mice, Mycoplasma arthritidis conjunctivitis, antibody response 6283.
  mice, Mycoplasma pulmonis infection, respiratory tract, genital tract 10689.
  mice neonates, cholera 11771.
  mice, Pseudomonas urinary tract infection 850.
  mice, serum assays, antibodies, Streptococcus 6072.
  mice, syphilis, lymph nodes pathology, immune response 5347.
  monkeys, dental pulp pathology, bacteria infection 11687.
  Mycobacterium avium infection, pathology 6255.
  Mycobacterium kansasii infection, antitubercular agents treatment 13339.
  Mycoplasma, etiology, rheumatoid arthritis 10541.
  Mycoplasma pneumoniae, polysaccharides antigens, vaccines, immunity 10272
  non-fermentative gram-negative bacteria, eye experimental infection, antibiotics treatment, man 13317.
  otitis, Streptococcus pneumoniae, immunity, antibiotics effects on recurrent infection 787.
  peridontal diseases, bacteria, pathology, jaw, man 11695.
  periodontal diseases, Bacteroides experimental infection, histology, man 13099.
  periodontitis experimental infection, bacteria, association, indomethacin effects on alveolar bone, man 13116.
  periodontitis, gingivitis, treatment, Suanatem, efficacy 4591.
  pigs digestive tract, Escherichia coli infection, antibiotics treatment 6202.
  pigs, Streptococcus pneumoniae elimination, lung, atelectasis 1972.
  pleuropneumonia, Klebsiella, Escherichia coli, experimental infection, antibiotics treatment, man 10343.
  pneumonia, Chlamydia trachomatis, treatment, cortisone, cyclophosphamide 4392.
  polyarthritis, viruses, bacteria, etiology 5363.
  postoperative infection, Staphylococcus aureus, Propionibacterium acnes, arthroplasty 983.
  Proteus morganii experimental infection, penicillinase production, association, treatment, β-lactam antibiotics 7150.
  Providencia stuartii experimental infection, treatment, tobramycin± carbenicillin, ± cephalosporins 8054.
  Pseudomonas aeruginosa keratitis, antibiotics treatment, man 13318.
  pyelonephritis, Enterococcus, association, diuresis, water absorption 13197.
  pyelonephritis, Escherichia coli 844.
  pyelonephritis, Escherichia coli, experimental infection, methodology, man 10488.
  pyelonephritis, Streptococcus faecalis, Escherichia coli, antibiotics treatment, pharmacokinetics 13257.
  pyelonephritis, Streptococcus faecalis, treatment, ampicillin± rifampicin± streptomycin 862.
  rabbits, bacteria endocarditis, man 13327.

mal models, (continued)
bbits, blood culture, bacteremia 4672
bbits, Escherichia coli diarrhea, vaccination, colonization factor antigens 663.
bbits, Haemophilus influenzae, lipopolysaccharides, effects on, trachea, cilia 11751.
bbits, Pseudomonas aeruginosa keratitis, treatment, tobramycin, gentamicin 7118.
bbits, Streptococcus pneumoniae vaccination, endocarditis prophylaxis, in vivo, in vitro 618
bbits, Vibrio cholerae enterotoxins subunits role cholera pathogenicity 10111
ats, burn infection, Pseudomonas aeruginosa 1030
ats, Clostridium tetani toxins localization 476
ats, complement, Haemophilus influenzae susceptibility, correlation, virulence 5197.
ats, dental caries, bradophen effects on 1956
ats, dental caries, sucrose, lactose, cariogenicity 3306
ats, dental caries, treatment, strontium salts 1954
ats, dental plaque, trace elements effects on 732
ats, Escherichia coli cystitis, role, leukocytes (polymorphonuclear) 5328
ats, fluoride effects on dental caries, Streptococcus mutans, Actinomyces viscosus 6158
ats, Francisella tularensis 6134
ats, gnotobiotics, cariogenicity, Streptococcus salivarias, Streptococcus milleri 4376
ats, invert sugars cariogenicity 705
ats, liver diseases, Corynebacterium parvum endotoxins, association liver macrophages release proteolytic enzymes 8038
ats, Mycobacterium leprae infection, treatment, antileprotic drugs, effects on glycolysis 6074
ats, neonates, Streptococcus group B sepsis, immunoprophylaxis, leukocytes (polymorphonuclear) administration 5248
ats, rabbits, Aeromonas hydrophila enterotoxins effects on intestine 11497
ats, respiratory tract infection, Mycoplasma pulmonis, ammonia effects on growth 11729
ats, Salmonella, infection, diagnosis, enzyme-linked immunosorbent assay 1846.
ats, sepsis, Escherichia coli, effects on, levels, lipoprotein lipase, fatty acid synthetase 10516.
respiratory tract infection, association, bacteria adherence, man 10319.
Salmonella minnesota, lipid A, induction, nephritis, rats 13337
Salmonella typhimurium penetration intestine mucosa, association, antibiotics treatment 10379.
salmonellosis, relationship, treatment, antibacterial agents, cattle 2370
salmonellosis, relationship, treatment, trimethoprim, sulfadiazine, cattle 2363.
salpingitis, experimental infection, pathology, antibody response 10277
shigellosis, prophylaxis, association, bacteriocins production Escherichia coli 13184
splenectomy, association, steroids effects on penicillin treatment, Streptococcus pneumoniae septicemia 10615
Staphylococcus aureus, experimental infection, foot, Sturnus vulgaris, Aves 7281.
steroids hypertension, role, intestinal microflora, bacteria 9072
Streptococcus mutans infection, teeth, sugar effects on, rats 6953
Streptococcus mutans transmission, role, dental caries 13100
Streptococcus pneumoniae diseases 7211
Streptococcus pneumoniae, infection, association, diabetes mellitus, susceptibility, lung, mice 3609
Streptococcus pneumoniae infection, complement role, immunity 6919
Streptococcus pneumoniae infection, complement role immunity 6919
Streptococcus sanguis endocarditis, altitude induction 7219
stress induction ulcers, assocition, Escherichia coli sepsis 9313
syphilis, treatment, bicillin, methyluracil, rabbits 7085.
typhoid fever, Salmonella typhi vaccination, oral administration 4337
urinary bladder, bacteria adsorption, heparin effects on 1374
urinary bladder irrigation effects on adherence, Escherichia coli, epithelium, urinary tract, man 9605
urinary tract clinical isolates, Escherichia coli, hemolysins biosynthesis, relationship, virulence 3151.
Yersinia enterocolitica infection, post-irradiation pathogenicity 2186.
nimal wastes,
antibiotic resistance bacteria, R factors, association public health 7825
cattle, methanogenesis, fatty acids oxidation, methanogenic bacteria 4760
Methanobacterium, isolation, morphology, nutrient requirements 2573.
pigs, land disposal, association, survival, Salmonella havana, feces coliforms 2459
pigs, soil pollution, indicator species, bacteria 4632.
soil amendment, effects on soil microorganisms, bacteria 8196
nimals,
Aeromonas hydrophila, pathogenicity 9343.
bacteria disease transmission, man, disease control 2242.
bacteria experimental infection, treatment, amoxicillin± clavulanic acid 10658
bites, clinical isolates, Pasteurella multocida, Pasteurella pneumotropica, characterization 3828
bites, wound infection Pasteurella multocida, man 6302.
cadavers, aerobic bacteria, heterotrophic bacteria, marine environments, Japan 8451
cadavers, decomposition, association, bacteria, lipolysis, proteolysis, marine environments, Japan 8458.
Campylobacter fetus subsp.jejuni isolates, pathogenicity mechanisms 11972.
Campylobacter infection, epidemiology 4578.
Campylobacter infection, reviews 9209.
detection, incidence, Legionella pneumophila antibodies 3189.
disseminated infection, bacteria, aminoglycoside antibiotics, antibacterial activity, reviews 8096.
Escherichia coli, clinical isolates, colicinogeny, lysogeny 1658.
feces, detection, enumeration, Streptococcus bovis, media (selective) 1264.
gnotobiotics (germfree), use, characterization, man fecal microflora 6939.
gram-negative bacteria isolation, gentamicin antibiotic resistance 9992.
heart, endothelium, adherence, gram-negative bacteria, gram-positive bacteria, tissue culture 2621.
houses, microorganisms distribution, pour-plate method 6462.
incidence, Vibrio cholerae, aquatic environments, British Isles 9493.
infection, Enterobacter aerogenes, Salmonella typhi, treatment, polymyxin B+gramicidin, antibiotic synergism 4571.
infection immunity, association, Pseudomonas aeruginosa, flagella antigens 10177.
infectious diseases, disease control 7272.

Animals, (continued)
isolates, Pseudomonas, Actinobacillus, Pasteurella, identification, API test 1296.
isolates, Yersinia enterocolitica, characterization 3784
isolation, Campylobacter fetus subsp.jejuni, atmospheric conditions, oxygen tension 2512
isolation, Salmonella, Uruguay 12060
killed, Escherichia coli, enteric bacteria, coliforms, incidence, abundance, sampling, methodology 3557
parasitic diseases, tropical environments, effects on public health 13369.
pathogens, bacteria, detection, reviews, serological tests 11529.
pathogens, Spiroplasma, characterization 3600.
Salmonella infection, epidemiology, clinical aspects, British Isles 7243.
Salmonella, isolates, antibiotic resistance 3064
Salmonella zanzibar infection, outbreaks, disease transmission, British Isles 3487.
salmonellosis pollution source, British Isles 816
secondary metabolism 8447.
Serratia marcescens, nosocomial infection, benzalkonium chloride contamination, hospitals 2351
spotted fevers, Rickettsia, pathogenicity, serotyping 13411.
tuberculosis, Mycobacterium tuberculosis, immune response, immunological aspects, reviews 6110
vaccines, nomenclature, preparation 10274.
vectors, salmonellosis, man, urban environment 9229
Vibrio vulnificus infection, pathogenesis, role, iron 4487.
Yersinia enterocolitica, isolates, identification, Enterotube test 2533.
Yersinia, isolates, source, characterization 2276.
zoological gardens, isolation, Campylobacter fetus subsp.jejuni, USA, Colorado 8114
zoological gardens, tuberculosis, epidemiology, immunoassays 7913.
Anions,
effects on succinate dehydrogenase kinetics, physicochemical properties, cytoplasmic membranes, Escherichia coli 11162.
hypothiocyanite, antibacterial activity, Escherichia coli, Streptococcus lactis 1779.
inhibition, phospholipase C, reconstitution, erythrocytes ghosts, Bacillus cereus 11163.
transport, role, phosphate effects on protein P biosynthesis, reconstitution models, Pseudomonas aeruginosa 6605.
use, radiosensitization, Streptococcus faecalis 442.
Ankylosing spondylitis,
association, Klebsiella capsules antisera, lymphocytes cytotoxicity, man 3204.
association, Klebsiella, urinary tract infection, immune response, saliva immunoglobulins, man 4289.
association Salmonella rheumatism, man 9253
etiology, Klebsiella pneumoniae, cross-reaction, histocompatibility antigen HLA, man 538
Annual ryegrass toxicity,
South Africa, sheep, cattle, pathology, Lolium, Corynebacterium infection 8099.
Anopheles stephensi,
geographical variations, susceptibility, endotoxins, Bacillus thuringiensis, India 12987
Anopheles subpictus,
Bacillus sphaericus larvicides compounds activity, temperature effects on 4240.
Anorectal infection,
etiology, homosexuality, man, males 5345.
Ansamycin antibiotics,
Nocardia mediterranei, biosynthesis, antimicrobial activity 6772.
Ansamycins,
Nocardia mediterranei, recombinants, biosynthesis, structure, spectroscopy 2981
Ansatrienins,
Streptomyces collinus subsp.collimus, biosynthesis, antifungal activity 9910
Anser,
fecal microflora 13356
Antacids,
effects on gastrointestinal tract microflora, man 6140.
Antagonism,
Actinomadura fulvescens sp.nov., Actinomadura turkmeniaca sp.nov. 13461.
Bacillus, Rhizoctonia solani, effects on, Pinus nigra, germination 8159
Colletorichum corchori+Corchorus capsularis phyllosphere, bacteria, fungi, in vitro 9425
dapsone, clofazimine, treatment, leprosy, man 11675.
Escherichia coli strains, gastrointestinal tract, gnotobiotics mice 13415.
Escherichia coli+Lactobacillus, digestive tract, sheep, gnotobiotics (germfree) 1125.
lactic acid bacteria+food spoilage microorganisms, association, cold storage 13458
Micrococcaceae, diptheroids, Propionibacterium, skin isolates, man 3681
Micrococcaceae, Propionibacterium, diphtheroids, skin isolates, man 1156.
Neisseria gonorrhoeae, Neisseria meningitidis, Branhamella catarrhalis, genitourinary tract microflora, man, in vitro 2426.
nitrate reduction, mixed culture, Pseudomonas denitrificans, rivers 8427
Rhizobium symbiosis Vigna radiata, interaction, Rhizoctonia botaticola root rot 9477
rhizosphere microorganisms, Fusarium wilt, Lycopersicon esculentum, Citrullus lanatus 13469
Streptomyces dayalbaghensis sp.nov., Colletotrichum gloeosporioides, Colletotrichum falcatum, in vitro 7309.
Streptomyces fradiae, Streptomyces lanatus, population dynamics, incidence, soil 12147.
Streptomyces olivaceus, Alternaria alternata, biological control, leaf blotch, Hordeum vulgare 5507.
Antagonists,
folic acid, inhibition, Streptococcus faecalis, growth 8462.
root rot, Rhizoctonia bataticola, biological control, Streptomyces, Stachybotrys atra 6424.
Antarctica,
marine environment, nitrifying bacteria, primary production 1234.
Antbiotics,
prophylaxis, streptococcus viridans endocarditis, children 6304.
Anthelminthic agents,
avermectins, Streptomyces 6006.
Anthium dioxcide,
antibacterial activity, soft rot, Erwinia carotovora, Solanum tuberosum 3657.

Anthonomus grandis,
  hemolymph, Staphylococcus aureus infection effects on 8132.
Anthracycline,
  biosynthesis, Streptomyces galilaeus, carbon sources, aerobic conditions, effects on 8749
Anthracyclines,
  analogs, biosynthesis, Streptomyces coeruleorubidus mutants, structure 2977.
  biosynthesis, Streptomyces, wild type, mutants 7493.
Anthracyclinones,
  conversion, Streptomyces coeruleorubidus mutants 299.
Anthramycin,
  biosynthesis, Streptomyces refuineus, N.M.R. 7632.
  Streptomyces refuineus, biosynthesis, antibiotic resistance, membrane permeability 3053.
Anthranilate synthase,
  Pseudomonas aureofaciens, enzymatic activity, amino acids effects on 1493
Anthraquinone dyes,
  binding penicillinase, Escherichia coli 11133.
Anthrax,
  , antibiotics treatment, cattle 12066.
  Bacillus anthracis capsules, antibodies detection, fluorescent antibody test, enzyme immunoassay, man 12997.
  Bacillus anthracis, skin pathology, leather transmission, man 5276
  cattle, epidemiology, case reports 10651.
  diagnosis, clinical aspects, case reports, man 13412.
  meningitis, man 13210.
9-(2-Anthryl)-nonanoic acid,
  incorporation, membranes, lipids, Micrococcus luteus 11240.
Antibacterial activity,
  3-(N-acetyl-N-hydroxyamino)propylphosphonic acid analogs, synthesis, structure-activity relationships 5934.
  z-acetylpyridine thiosemicarbazones derivatives, Mycobacterium, kinetics, in vitro, assays 1775.
  aerosols disinfectants, bacteria recovery surfaces 7847.
  Agaricales, Pinus radiata association, Staphylococcus aureus, Bacillus subtilis, Escherichia coli 7859
  alafosfalin+cephalexin, antibiotic synergism 1732.
  alafosfalin 5070.
  D-alanine aminotransferase inhibitors, Bacillus sphaericus 8608.
  algae extracts, marine environment 1772.
  alkaloids, antifungal activity, Ruta graveolens 3075.
  Allium sativum, Coxiella burnetii infection, chickens 12963.
  Allium sativum extracts 444.
  Amblyosporium spongiosum antibiotic 8006-I 7718.
  Amblyosporium spongiosum, antibiotic 8006-I 7812.
  amikacin 314.
  amikacin, β-lactam antibiotics, Enterobacteriaceae, Pseudomonas aeruginosa, characterization 8761.
  amikacin, gentamicin, antibiotic synergism, ± carbenicillin, ± piperacillin, Pseudomonas aeruginosa 12889.
  aminoglycoside antibiotics 7771.
  aminoglycoside antibiotics, β-lactam antibiotics, Legionella micdadei, in vitro 9932.
  aminoglycoside antibiotics, antibiotic resistance, gram-negative bacteria clinical isolates 4168.
  aminoglycoside antibiotics, comparison, thienamycin, azlocillin, Pseudomonas aeruginosa, strains 8762
  Aminoglycoside antibiotics, digestive tract microflora, mice 10640.
  aminoglycoside antibiotics, disseminated infection, bacteria, animals, reviews 8096
  aminoglycoside antibiotics, factors affecting, in vitro, in vivo, rabbits 1702.
  aminoglycoside antibiotics, gram-negative bacteria 7772.
  aminoglycoside antibiotics, gram-negative bacteria, treatment, man 6781.
  aminoglycoside antibiotics, Serratia marcescens, Klebsiella pneumoniae, Salmonella, Proteus, Erwinia, Citrobacter freundii, Staphylococcus aureus, Streptococcus faecalis 6783.
  aminomethylphosphonic acid analogs, structure-activity relationships 11463
  aminosidine+doxorubicin, Escherichia coli 3076
  ammonia, Actinomycetes, hay spoilage 6835.
  amniotic fluid, Bacteroides fragilis, streptococcus group B, in vitro 12943.
  amniotic fluid, man 3105.
  amoxicillin+clavulanic acid, urinary tract infection, man 11810.
  ampicillin, amoxycillin, Escherichia coli, in vitro, in vivo 5062.
  ampicillin, amoxycillin, in vitro, gram-negative bacteria, treatment, infection, mice 4563.
  ampicillin, azlocillin, Escherichia coli, regrowth 12892.
  ampicillin, chloramphenicol, Streptococcus group B, antibiotic antagonism 3008.
  ampicillin, erythromycin, Staphylococcus aureus, Streptococcus, Haemophilus influenzae 12907
  ampicillin, Escherichia coli, in vivo simulations 9973.
  ampicillin, Escherichia coli, strains 9959
  anilazine, effects on Escherichia coli growth 12944.
  antibacterial agents, Xanthomonas vesicatoria 1701.
  antibiotic BRL 17421, in vitro, in vivo, man 348.
  antibiotic DL 473, antitubercular agents, in vitro, in vivo 3036
  antibiotic DL-8280, nalidixic acid derivatives 11455.
  antibiotic DL473, Mycobacterium tuberculosis, Streptococcus pyogenes, Streptococcus pneumoniae, Klebsiella pneumoniae, in vivo, in vitro 4188.
  antibiotic E-0702 9944.
  antibiotic FR-31564+antibiotics, antibiotic synergism, gram-negative bacteria 2997.
  antibiotic HR 756 1729.
  antibiotic HR756, penicillinase inhibition, binding penicillin-binding protein 9967.
  antibiotic MK-0366, in vitro, urinary tract infection isolates 8823.
  antibiotic MK0787, β-lactam antibiotics comparison, Staphylococcus aureus, Pseudomonas aeruginosa, Bacteroides fragilis, Enterobacteriaceae, Acinetobacter, Serratia 7783.
  antibiotic PS-8 11359.
  antibiotic Ro 13-9904, antibiotic GR 20263 364
  antibiotic Ro 13-9904, Haemophilus influenzae, Neisseria gonorrhoeae 344.
  antibiotic sensitivity testing, Legionella pneumophila, media (culture), inoculum, effects on 309.
  antibiotic sensitivity testing, Pseudomonas aeruginosa, gentamicin, calcium, magnesium 387.
  antibiotic sensitivity testing, Staphylococcus epidermidis, Providencia, equipment 304.

Antibacterial activity, (continued)
  antibiotic SF-1739, naphthocyanidine, gram-negative bacteria 7809.
  antibiotic SQ 26,180, biosynthesis, Chromobacterium violaceum 7727.
  antibiotic SQ26,776, gram-negative bacilli 6805.
  antibiotic synergism 7762.
  antibiotic T-1551, cephalosporins 9964.
  antibiotic U 62162, Staphylococcus aureus, Streptomyces verdensis sp.nov., biosynthesis 11348.
  antibiotic Win 42122-2, gram-negative bacteria, clinical isolates 3037.
  antibiotic X-14667A, antibiotic X-14667B, Streptomyces cinnamonensis subsp.urethanofaciens, biosynthesis 3042.
  antibiotic YM09330, cephamycins, gram-negative bacteria 9966.
  antibiotic 6059-S 1743.
  antibiotic 6059-S 1752.
  antibiotic 6059-S 5099.
  antibiotic 6059-S, cefazolin, cefmetazole, ceftizoxime, cefotiam 1720.
  antibiotic 7303, Bacteroides fragilis 3010.
  antibiotic 8006-I 11422.
  antibiotics, antibiotic sensitivity testing, bacteria, fish diseases 3001.
  antibiotics biosynthesis, Streptomyces cell walls, detection methodology 9980.
  antibiotics, Helianthus tuberosus 307.
  antibiotics, in vitro models 2999.
  antibiotics, Micromonospora sagamiensis biosynthesis 11354.
  antibiotics, sporaricins, structure 2987.
  antibiotics, Staphylococcus epidermidis, relationship, anaerobic conditions 3002.
  antibiotics, technology 12886.
  antibiotics, temperature effects on 5053.
  antibiotics+serum, synergism, man, in vitro 12882.
  antifungal agents, biosynthesis, Oryza sativa, host-pathogen interactions, Pyricularia oryzae 4207.
  antileprotic agents, Mycobacterium leprae, statistical analysis methodology, reviews 8849
  antimicrobial agents, Neisseria gonorrhoeae, in vitro 8802.
  antimicrobial agents, Staphylococcus saprophyticus 9928.
  antimycobacterial agents, Mycobacterium tuberculosis 4205.
  antisera, inhibition, Leptospira TM antigen 8944.
  antrimycins, Mycobacterium smegmatis, Mycobacterium tuberculosis 7802.
  aromatic alcohols, Pseudomonas aeruginosa, Staphylococcus aureus 5136.
  asparenomycins, gram-negative bacteria, gram-positive bacteria 7796.
  Aspergillus nidulans glycoproteins, antibiotic synergism, sterigmatocystin, gram-positive bacteria 8789.
  association, DNA biosynthesis, haloquinone, biosynthesis, isolation, mycelia, Streptomyces venezuelae 9918.
  association, immunoglobulin G, man, Serratia marcescens antigen O agglutination 8995
  azlocillin, ± cefotaxime, ± tobramycin, clinical isolates, Pseudomonas aeruginosa, Streptococcus faecalis 7765.
  azlocillin, +clavulanic acid, +sulbactam, +N-formimidoyl thienamycin, synergism, Pseudomonas aeruginosa 9951.
  azlocillin, mezlocillin, antibiotic synergism aminoglycoside antibiotics, Pseudomonas aeruginosa 9968.
  bacampicillin 12897.
  bacitracin A, structure-activity relationships 12913.
  bacteria, benzimidazoles, chemical modification 12941.
  bacteria, clinical isolates, norfloxacin, comparison, β-lactam antibiotics 8822.
  bacteria, growth inhibitors, Hydrodictyon reticulatum, Aphanothece nidulans, Chlorella vulgaris 10045
  bacteriocins, Streptococcus salivarius, isolation, charcterization 2979.
  Bacteroides fragilis, thienamycin, moxalactam, ceftizoxime, cefoperazone, cefotaxime 6789.
  bacteroides, Legionella pneumophila, use cooling water 8834.
  barbiturates 1788.
  bastadin, Ianthellabasta, gram-positive bacteria 1778.
  bekanamycin, treatment, respiratory tract infection, bekanamycin, man 6786.
  benzo[b]thiophene-3-carbamic acid esters, synthesis 1756.
  α^4-O-benzoyl-pyridoxine, α^5-O-benzoyl-pyridoxine 451.
  2-benzoylaminothiophene-3 carboxylate 7861.
  L-benzyl-4-nitroimidazole-5-thioacetic acid derivatives, synthesis 4206.
  N-[ω,ω'-Bis(alicyclic)-sec-alkyl]-1,3-diamino-2-propanol, N-[ω,ω'-Bis(aryl)-sec-alkyl]-1,3-diamino-2-propanol, Pseudomonas aeruginosa 11448.
  butylated hydroxyanisole, Bacillus, food preservatives 7849.
  butylated hydroxyanisole, propylparaben, Salmonella typhimurium, characterization 8819.
  capetimycin, clinical isolates 8768.
  Capnocytophaga, antibiotics, antimicrobial agents, sensitivity 308.
  captan, Escherichia coli, effects on RNA biosynthesis 8500.
  carbenicillin, association, acetylcysteine, Pseudomonas aeruginosa 11398.
  carbenicillin, boric acid, Pseudomonas aeruginosa, clinical isolates 12898.
  carbenicillin, ticarcillin, gram-negative bacteria 1707.
  catalase mediation peroxidase, Mycobacterium tuberculosis 1782.
  catamine AB 11452.
  cecropin A, peptide synthesis 12911.
  cecropins, Hyalophora cecropis 8853.
  cefaclor, Haemophilus influenzae, comparison, cephalosporins 6790.
  cefadroxil 5063.
  cefadroxil, in vitro 3016.
  cefadroxil, in vitro, Escherichia coli, Staphylococcus aureus, Klebsiella pneumoniae, in vivo 354.
  cefadroxil, Staphylococcus aureus, Streptococcus pyogenes, Escherichia coli, in vitro 3015.
  cefamandole 9965.
  cefatrizine, Staphylococcus epidermidis, Staphylococcus aureus, Escherichia coli 329.
  cefmenoxime, effects on, morphology, Escherichia coli, Serratia marcescens 4177.
  cefmenoxime, Escherichia coli, Serratia marcescens, morphology 3027
  cefmenoxime, penicillinase, stability 9961.
  cefmenoximine, Enterobacteriaceae, Staphylococcus aureus, Bacteroides fragilis, Haemophilus influenzae, Neisseria gonorrhoeae 6810.
  cefmetazole 8775
  cefmetazole comparison cephazolin, Escherichia coli experimental infection, rats 5923
  cefmetazole, Klebsiella pneumoniae, Escherichia coli, Staphylococcus aureus, infants, man 1710.

Antibacterial activity, (continued)
cefmetazole, serum levels, man, high-performance liquid chromatography 9947
cefodizime 11409.
cefodizime, Enterobacteriaceae, Streptococcus, Haemophilus, Neisseria, Proteus morganii, Proteus vulgaris, Staphylococcus aureus, Pseudomonas aeruginosa, Bacillus cereus, Acinetobacter 6809
cefoperazone 9970
cefoperazone, antibiotic sensitivity testing, bacteria 7786
cefoperazone, association, penicillanic acid,1,1-dioxide, Haemophilus influenzae 332.
cefoperazone, bacteria clinical isolates, man serum effects on 9935
cefoperazone. Bacteroides fragilis 6799.
cefoperazone, cefotaxime, moxalactam, gentamicin, antibiotic resistance, Enterobacteriaceae 9934
cefoperazone, cefotiam 347
cefoperazone, characterization 5924
cefoperazone, clinical trials, infection, bacteria, man 8046
cefoperazone, man, in vitro 4176
cefoperazone, pharmacokinetics, use, antibiotic therapy, reviews 4171.
cefoperazone, treatment infection, man, conferences 10847
cefotaxime 1724
cefotaxime 1730
cefotaxime 9208
cefotaxime, Bacillus fragilis, Pseudomonas cepacia 2060
cefotaxime, binding affinity penicillin-binding protein, Escherichia coli, Pseudomonas aeruginosa, morphology 5916
cefotaxime, ceftizoxime, Neisseria gonorrhoeae, clinical isolates, penicillinase, antibiotic resistance 1725.
cefotaxime, cephalosporins, Enterobacteriaceae 5914.
cefotaxime derivatives, structure-activity relationships, gram-negative bacteria, gram-positive bacteria 5058
cefotaxime, Enterobacteriaceae, cephalothin resistance, treatment, man, pneumonia, septicemia, urinary tract infection 8772.
cefotaxime, Enterobacteriaceae, Pseudomonas 4178
cefotaxime, gram-negative bacteria 5915
cefotaxime, Haemophilus, infection, children 8076
cefotaxime, in vitro, comparison cephalosporins 7794
cefotaxime, intestinal microflora, children 6139
cefotaxime, man, infection, gram-negative bacteria, Enterobacteriaceae 8074
cefotaxime, moxalactam, cefoperazone, Clostridium difficile, antibiotic sensitivity testing 8763
cefotaxime, structure-activity relationships, gram-negative bacteria 5913
cefotetan, clinical isolates 5926
cefotiam 1719.
cefotiam 1726
cefotiam 6798
cefotiam, cefazolin, ultrastructure, Klebsiella pneumoniae, in vitro, in vivo 336.
cefotiam, Escherichia coli, Klebsiella pneumoniae, Proteus inconstans, Pseudomonas aeruginosa, Serratia marcescens, Enterobacter cloacae, Citrobacter freundii, Acinetobacter calcoaceticus 6800
cefotiam, Staphylococcus aureus, Escherichia coli, Klebsiella pneumoniae 2191
cefotiam, Staphylococcus aureus, Streptococcus pyogenes, Escherichia coli, Klebsiella, Proteus 1721.
cefoxitin antibiotic synergism antibiotics, Enterobacteriaceae 362
cefoxitin, Bacteroides fragilis 3010
cefsulodin, cefoxitin, anaerobic bacteria, clinical isolates 6794
cefsulodin, ceftazidime, Pseudomonas aeruginosa, ticarcillin antibiotic resistance 5081
cefsulodin, Pseudomonas aeruginosa, Staphylococcus aureus, antibiotic sensitivity testing 1715.
ceftazidime, bacteria, clinical isolates 5066
ceftazidime, bacteria clinical isolates, disc-diffusion test standards 5089
ceftazidime, bacteria, disc-diffusion test standards 5090
ceftazidime, bioassays, Bacillus subtilis, Proteus 5093
ceftazidime, ceftizoxime, cefotiam 341.
ceftazidime, clinical isolates, Enterobacteriaceae, Pseudomonas aeruginosa 5079.
ceftazidime, clinical isolates, gram-negative bacteria 5088.
ceftazidime, clinical isolates, Pseudomonas aeruginosa, Pseudomonas cepacia 5086.
ceftazidime, comparison β-lactam antibiotics, aminoglycoside antibiotics, cephalosporins, clinical isolates, gram-negative bacteria 5071
ceftazidime, comparison β-lactam antibiotics, antibiotic resistance, role, penicillinase 5067.
ceftazidime, comparison β-lactam antibiotics, ceftriaxone, clinical isolates, gram-negative bacteria, gram-positive bacteria 5072
ceftazidime, comparison, β-lactam antibiotics, gentamicin, gram-negative bacteria, gram-positive bacteria, experimental infection, mice 5438.
ceftazidime comparison β-lactam antibiotics, gram-negative bacteria, gram-positive bacteria, Haemophilus influenzae 5073.
ceftazidime, comparison cephalosporin antibiotics, clinical isolates, gram-negative bacteria, gram-positive bacteria 5068.
ceftazidime, comparison cephalosporins, antibiotic resistance, clinical isolates, Enterobacteriaceae 5075.
ceftazidime, comparison cephalosporins, clinical isolates, gram-negative bacteria, gram-positive bacteria 5069
ceftazidime, comparison cephalosporins, clinical isolates, anaerobic bacteria 5078
ceftazidime comparison gentamicin, cephalosporin antibiotics, clinical isolates, gram-negative bacteria, gram-positive bacteria 5910.
ceftazidime, disc-dilution test, clinical isolates, gram-negative bacteria, gram-positive bacteria 5091.
ceftazidime, gram-negative bacilli, nosocomial environments 324.
ceftazidime, gram-negative bacteria 5076.
ceftazidime, gram-negative bacteria, gram-positive bacteria 5065.
ceftazidime, gram-negative bacteria, gram-positive bacteria 5074.
ceftazidime, gram-negative bacteria, gram-positive bacteria 5084.
ceftazidime, gram-negative bacteria, gram-positive bacteria, antibiotic sensitivity testing 5092
ceftazidime, growth curves, Escherichia coli, Pseudomonas aeruginosa 5083.
ceftazidime, moxalactam, gram-negative bacteria clinical isolates 5108.
ceftazidime, Pseudomonas aeruginosa, pharmacokinetics models 5085.
ceftazidime, Pseudomonas aeruginosa, Pseudomonas, cations effects on 5094.
ceftazidime, Pseudomonas, Enterobacteriaceae, cephalothin, cefuroxime, cefotaxime, moxalactam, in vitro 358.
ceftazidime, Pseudomonas, Enterobacteriaceae, Klebsiella, Serratia, Proteus, Staphylococcus aureus, in vitro 357.

Antibacterial activity, (continued)
ceftazidime, toxicity, antibiotics treatment, immunosuppression, pharmacokinetics, conferences 5549.
ceftizoxime, Bacteroides fragilis 3010.
ceftizoxime, cefazolin, Enterobacteriaceae, Pseudomonas aeruginosa 1708.
ceftizoxime, Pseudomonas cepacia, Flavobacterium meningosepticum, Alcaligenes faecalis, Acinetobacter calcoaceticus, Pseudomonas aeruginosa, Pseudomonas putida, in vitro 328.
ceftriaxone 9216
ceftriaxone, anaerobic bacteria, comparison, β-lactam antibiotics 9945.
ceftriaxone, Enterobacteriaceae, Pseudomonas aeruginosa, Enterobacter cloacae, Acinetobacter calcoaceticus 7789
ceftriaxone, gram-positive bacteria, gram-negative bacteria, experimental infection, mice 3567.
cefuroxime, Escherichia coli, Klebsiella 6801.
cephalexin+flucloxacillin 6793.
cephalosporin, oxacephalosporin, role, penetration, gram-negative bacteria cell membranes 6496
cephalosporins 7776.
cephalosporins 9949.
cephalosporins, aminoglycoside antibiotics, Proteeae susceptibility, species diversity 9987.
cephalosporins analogs, , structure-activity relationships 3019.
cephalosporins analogs, structure-activity relationships 2956.
cephalosporins analogs, structure-activity relationships 3020.
cephalosporins, antibiotic resistance, penicillinase inactivation, Pseudomonas aeruginosa 5123.
cephalosporins, antibiotic resistance role penicillinase biosynthesis, Enterobacteriaceae, Pseudomonas aeruginosa 5124.
cephalosporins, bacteria infection, treatment, man 11404.
cephalosporins, Bacteroides 8778
cephalosporins, chemical modification 9948.
cephalosporins, chloramphenicol, erythromycin, spectinomycin, penicillinase, Neisseria gonorrhoeae 5050.
cephalosporins, clinical isolates 12900
cephalosporins comparison moxalactam, penicillinase stability 7782.
cephalosporins derivatives 11397.
cephalosporins derivatives, structure-activity relationships, synthesis 11399
cephalosporins, Enterobacteriaceae 5911.
cephalosporins, Enterobacteriaceae, clinical isolates 9952.
cephalosporins, Escherichia coli, Salmonella typhimurium, penicillin-binding protein effects on 4181.
cephalosporins, gram-negative bacteria 9933.
cephalosporins, gram-negative bacteria 12901.
cephalosporins, moxalactam, thienamycin, anaerobic bacteria 3014
cephalosporins, penicillinase stability, Aeromonas hydrophila 11410.
cephalosporins, penicillins, agar diffusion test, Pseudomonas aeruginosa 12905.
cephalosporins, Pseudomonas aeruginosa 5064.
cephalosporins, Pseudomonas aeruginosa, Enterobacteriaceae, cefazolin antibiotic resistance 5082.
cephalosporins, Pseudomonas aeruginosa, Staphylococcus aureus, use antibiotics treatment cystic fibrosis, man 5087.
cephalosporins, reviews 5059.
cephalosporins, Staphylococcus aureus, Escherichia coli, Proteus, in vitro, in vivo 7777.
cephalosporins, Streptococcus pneumoniae 9971.
cephalothin, Bacteroides fragilis 3010
cephalothin, Escherichia coli, Klebsiella, Staphylococcus aureus, Streptococcus group D 353.
cephalothin+thiamphenicol, antibiotic synergism, Bacteroides fragilis 3023.
cephoperazone, Enterobacteriaceae, treatment, infection, man 9234.
N-chloramine compounds, comparison chlorhexidine, in vitro, in vivo 5961.
chloramphenicol+ampicillin, gram-negative bacteria 5109.
chloramphenicol, glutamic acid excretion, growth, Citrobacter intermedius 1739.
chloramphenicol, Haemophilus influenzae 3009.
Chloramphenicol, thiamphenicol 12915.
chlorhexidine, bacteria contamination, skin cleaning products 446
chlorhexidine diacetate, Bacillus megaterium, effects on cell membranes 10039.
chlorine, iodine, sanitizers, Salmonella typhimurium, Streptococcus faecalis, eggs, washing, factors affecting 3079.
γ-chloronorvaline, Pseudomonas aeruginosa 5038.
chromomycin A_3+amphotericin B, Bacillus subtilis, in vitro 1740.
ciclopiroxolamine, therapeutic applications 5984
cinodine, mechanisms, Escherichia coli 1742.
cinoxacin, urinary tract infection, man, DNA biosynthesis inhibition 8829.
Cladophora antibiotics, Bacillus mycoides, Staphylococcus aureus 429.
clavulanic acid+amoxicillin 3038.
clavulanic acid+amoxycillin, inhibition, penicillinase, Neisseria gonorrhoeae 4173
clavulanic acid, amoxicillin, antibiotic synergism, Haemophilus ducreyi, susceptibility 333
clindamycin 9981
clindamycin, ± moxalactam, Staphylococcus, Streptococcus, Enterobacteriaceae, susceptibility, in vitro 339.
clindamycin, bacteria susceptibility, man 11416.
clindamycin, cefotaxime, moxalactam, N-formimidoyl thienamycin, ampicillin, oxacillin, vancomycin, gram-positive bacteria 1716.
clindamycin, man 374.
clindamycin, metronidazole, Bacteroides fragilis 10034.
clindamycin, pirlimycin, Staphylococcus aureus 9978.
clofazimine analogs, Mycobacterium leprae, mice 1770.
clofazimine, Mycobacterium intracellulare 4212.
clopenthixol isomers 5973.
cloxacillin, Staphylococcus aureus, infection, cattle, leukocytes (neutrophilic), role, lysostaphin 8773.
colicins, ColE plasmid, characterization, Escherichia coli sensitivity 1686.
colostrum, Escherichia coli, diarrhea, immunity, pigs, neonates 4580.
comparison, moxalactam, enantiomers, in vitro 386.
complement activation, association, immunoglobulin G, immunoglobulin M, Mycoplasma bovis infection, cattle 9012.
complement, Escherichia coli, protoplasts, lipopolysaccharide composition, role, serum, man 1877
complement serum, plaques immunoassays, Neisseria gonorrhoeae 11533.
compound AI-77, Bacillus pumilus 12945.
conformational analysis, N^1-phenylsulfanilamide, ionization 434.
conformational analysis, N^1-phenylsulfanilamides 1768.

Antibacterial activity, (continued)
- cotrimoxazole, erythromycin± sulfisoxazole, Streptococcus pneumoniae clinical isolates 7799
- cotrimoxazole, topical application, burn infection isolates, in vitro 1763
- cyclic AMP induction macrophages, in vitro 9010
- 6 cyclo-octylamino-5,8-quinolinequinone, Mycobacterium tuberculosis, in vitro 417
- cyclopentadiene derivatives, cyclopentadienone derivatives 8843
- cycloserine, Klebsiella aerogenes, transport, cultural conditions, effects on 1698
- 1-deamino-2-deoxyfortimicins, 1,2-di-epi-fortimicins 7815
- 2-decarboxamido-2-acetyl-4-dedimethyl-9-methyltetracycline, Streptomyces rimosus transformation, 4-epi-cetocycline 7808
- deflectins, Aspergillus deflectus 3100
- 2-deoxy-3-demethoxy fortimicin, synthesis 11417
- deoxybutirosin A derivatives, synthesis, structure 11395
- 18-deoxynargenicin A1, synthesis, Staphylococcus, Streptococcus 7813.
- detergents, Streptococcus faecalis, Micrococcus, Escherichia coli 10030
- Dettox ABC, endoscopy equipment disinfection 10028
- dibekacin 6785
- 1,4-dihydro-1-ethyl-6-fluoro-7-(4-methyl-1-piperazinyl)-3-carboxylic acid 4209.
- 16,17-dihydrorifamycin S, 16-17-dihydro-17-hydroxyrifamycin S, structure-activity relationships 11352
- dihydroxybenzene derivatives, Escherichia coli, Staphylococcus aureus 449
- 4-O-dimethyl-11-deoxydoxorubicin analogs 7744
- 2,3-dinitrilo-1,4-dithia-9,10-anthraquinone, Mycobacterium smegmatis 8840
- disease resistance, Listeria monocytogenes infection, relationship, hypersensitivity (delayed), mice 5237
- disinfectants, evaluation 413.
- disinfectants, in vitro 412
- disinfectants, Pseudomonas aeruginosa, carpets, nosocomial environments 8818.
- disinfectants, Spiroplasma citri, Spiroplasma 7846
- disinfectants, surface activity 10026
- di(nitroetyl)sulfide, gram-positive bacteria 8844
- 1-dodecylpiperidine N-oxide, Staphylococcus aureus, oxidative phosphorylation 2686
- drug sensitivity testing, Bordetella bronchiseptica, clinical isolates, cats, dogs 1758
- electric currents, electrodes 1776
- emulsifiers, anaerobic bacteria, use preservatives, canned food 12940
- Ensifer adhaerens gen.nov. sp.nov., characterization 9537.
- Enterobacteriaceae, β-lactam antibiotics 7780
- 3'-epi-dihydrostreptomycin, synthesis 11393
- 3"-epi-dihydrostreptomycin, synthesis 7773
- 9-epileucomycin A, synthesis 8782
- Erio acid red XB 400 dye, Bacillus thuringiensis, spores, photoinactivation 3101.
- erythromycin+colistin, antibiotic synergism, Serratia marcescens 5049
- erythromycin, Bacteroides fragilis clinical isolates 367
- erythromycin, Bacteroides fragilis, Fusobacterium, anaerobic conditions, carbon dioxide, effects on 6813
- erythromycin, characterization, treatment, bacteria infection, man 11411
- erythromycin, Escherichia coli, effects on enzymes biosynthesis 7797
- erythromycin, gonorrhea, Neisseria gonorrhoeae, treatment, gonorrhea, man 5095
- erythromycin, Haemophilus influenzae, respiratory tract isolates 3031
- erythromycin, Legionella pneumophila 7798
- erythromycin, +penicillin, +ampicillin, +gentamicin, Listeria monocytogenes, growth 9963
- erythromycin, penicillin, cephalosporins, Streptococcus group A 1747
- erythromycin, Propionibacterium acnes, acne, treatment, man 1927
- erythrosine, microflora, cecum, stomach, rats 6322
- Escherichia coli, colicins, production, Shigella sonnei, genetic analysis 12916
- Escherichia coli, measurement, enumeration spiral plater 5927
- Escherichia coli, mecillinam 338
- essential oils, Vateria indica 5138
- Eupatorium capillifolium plant extracts, Bacillus subtilis 420
- Eupenicillium abidjanum antibiotic FA-2097 7811
- extracts, Chlorophyceae, Rhodophyceae 5141
- extracts, onions, garlic 4211
- fatty acids, Escherichia coli resistant mutant, role, membranes lipopolysaccharides 5147
- fatty acids, structure-activity relationships, Bacillus subtilis, Escherichia coli 10048
- N-formimidoyl thienamycin 1717
- N-formimidoyl thienamycin, cephalosporins, ureidopenicillins, comparison, Serratia marcescens 5928
- N-formimidoyl thienamycin, comparison, β-lactam antibiotics 9962
- N-formimidoyl thienamycin, comparison, antibiotics 9938
- N-formimidoyl thienamycin, comparison, piperacillin, cefotaxime, cefoperazone 337
- N-formimidoyl thienamycin± gentamicin, Listeria monocytogenes, Streptococcus faecalis, Streptococcus faecium 340
- N-formimidoyl thienamycin, gram-negative bacteria 5114
- N-formimidoyl thienamycin, in vitro, Streptococcus group D 9958.
- N-formimidoyl thienamycin, stability, penicillinase, comparison, cephalosporins, gram-negative bacteria 12906
- fortimicin A, β-lactam antibiotics, antibiotic synergism, Pseudomonas aeruginosa 343
- fortimicin, aminoglycoside antibiotics 311
- fosfomycin, Bacillus cereus, Staphylococcus aureus, effects on structure 8791
- fosmidomycin, synergism, β-lactam antibiotics, gentamicin, trimethoprim, Enterobacteriaceae 11391
- furan derivatives 419
- gallic acid derivatives, Escherichia coli 3099
- gentamicin, N-formimidoyl thienamycin, pH effects on, Pseudomonas aeruginosa 323
- gentamicin, tobramycin, dibekacin, amikacin, clinical isolates 5056
- glycopeptides, in vitro, bacteria isolation, amniotic fluid, man 10047
- glycosaminoglycans, rabbits urinary bladder, effects on bacteria adherence, animal models 6226
- gram-negative bacteria, clinical isolates, gentamicin, sisomicin, aminosidine, rifamycin 1706
- gram-positive bacteria, ogon, Scutellaria baicalensis 3096
- gramicidin S derivatives, structure-activity relationships 11414
- gratisin, structure-activity relationships, synthesis 4187
- halocins, biosynthesis, Halobacterium 9945
- herbicides, effects on disease resistance, Brassica oleracea, Lycopersicon esculentum, bacteria infection 13433

Antibacterial activity, (continued)
- 3-[2'-(heteroryl)vinyl]-benzoxazinones 11466.
- hydrogen peroxide, L-cysteine potentiation, Escherichia coli 12947.
- hydrogen peroxide, Peptostreptococcus anaerobius, metabolism, growth conditions, effects on 6843.
- hydrogen peroxide, peroxidase, thiocyanic acid effects on, Escherichia coli, Streptococcus 11206.
- 4-hydroxy-3-nitrosobenzaldehyde, Streptomyces viridans 1696.
- 1-hydroxyauramycin, 1-hydroxysulfamycin 12914.
- 8-hydroxyquinoline, anthium dioxcide, chlorine dioxide, virginiamycin, acetaldehyde, soft rot, Erwinia carotovora, Solanum tuberosum 3657.
- 2-hydroxysagamicin, biosynthesis, Micromonospora sagamiensis mutants 7732.
- immunoglobulin G, binding, Escherichia coli, opsonization, enzyme-linked immunosorbent assay 3156.
- immunoglobulins, Pseudomonas aeruginosa, preparation, purification 8918.
- in vitro, cotrimoxazole, treatment, prophylaxis, bacteria infection 11459.
- in vitro, leukocytes (polymorphonuclear), Staphylococcus aureus, oxidative metabolism, geriatrics 10212.
- inactivation, zinc bacitracin, bacteria, infection, rats 10052.
- insulin additives, phenol+glycerol+zinc, Staphylococcus epidermidis, Staphylococcus aureus, Escherichia coli 4203.
- iodine, sodium fluoride, Streptococcus mutans, pH effects on 7843.
- iodine+sodium fluoride, dental caries, rats, Streptococcus mutans, in vitro 4550.
- ^{125}I-β-Iodo-D-alanine, Escherichia coli 1766.
- isopenicillin N, penicillin N, Staphylococcus aureus, Micrococcus luteus, Salmonella typhimurium, Pseudomonas 11401.
- isosulfazecin, antibiotics, biosynthesis, Pseudomonas mesoacidophila sp.nov., characterization 2991.
- izumenolide 292.
- josamycin+antibiotics, anaerobic bacteria infection treatment, man 10485.
- josamycin, anaerobic bacteria, in vitro 8783.
- josamycin, Mycoplasma, gram-negative bacteria 3030.
- josamycin, spiramycin, minocycline, sulfafurazole, Chlamydia 9972.
- josamycin, Staphylococcus, comparison, erythromycin, spiramycin, lincomycin 366.
- juncusol, Bacillus subtilis, Staphylococcus aureus 6844.
- kanamycin, neomycin, gentamicin, analogs 315.
- kanendomycin 316.
- ketone bodies, Escherichia coli growth 8866.
- kijanimicin, characterization, biosynthesis, Actinomadura kijaniata sp.nov. 2986.
- kirromycin, aurodox, derivatives, elongation factor Tu, Escherichia coli 2718.
- β-lactam antibiotics 405.
- β-lactam antibiotics analogs, Pseudomonas aeruginosa, structure-activity relationships 3013.
- β-lactam antibiotics, antibiotic resistance, Bacteroides clinical isolates 11402
- β-lactam antibiotics, bacteria, viability, role, adherence, surfaces 3026.
- β-lactam antibiotics, Bacteroides fragilis, in vitro 1712.
- β-lactam antibiotics, Chlamydia trachomatis 6806.
- β-lactam antibiotics, clinical isolates, Enterobacteriaceae, Pseudomonas, non-fermentative gram-negative bacteria 7792.
- β-lactam antibiotics, clinical isolates, Pseudomonas aeruginosa 5080.
- β-lactam antibiotics, clinical isolates, Staphylococcus aureus, Enterobacteriaceae, Pseudomonas 8779.
- β-lactam antibiotics, dose-response effects, conferences 13540.
- β-lactam antibiotics, erythromycin, respiratory tract bacteria, man 805.
- β-lactam antibiotics, Escherichia coli, Streptococcus faecalis 12903.
- β-lactam antibiotics, gram-negative bacteria, inactivation, penicillinase, screening 3017.
- β-lactam antibiotics, Haemophilus influenzae, Haemophilus parainfluenzae 9942.
- β-lactam antibiotics, in vitro, Chlamydia trachomatis 9950.
- β-lactam antibiotics, kinetics 12890.
- β-lactam antibiotics, Myxococcus xanthus, cell walls, spore germination 2587.
- β-lactam antibiotics, Neisseria gonorrhoeae, isolates, pelvic inflammatory disease 390
- β-lactam antibiotics, Neisseria meningitidis, characterization 8765.
- β-lactam antibiotics, penicillinase inhibitors 7819.
- β-lactam antibiotics, Pseudomonas aeruginosa 3028.
- β-lactam antibiotics, Pseudomonas aeruginosa 6797
- β-lactam antibiotics, Pseudomonas aeruginosa 6811.
- β-lactam antibiotics, Pseudomonas aeruginosa, turbidity measurements 3024.
- β-lactam antibiotics, Streptococcus pneumoniae, clinical isolates, penicillin, antibiotic resistance 3012
- β-lactam antibiotics, structure-activity relationships 322.
- β-lactam antibiotics, structure-activity relationships 3021
- β-lactam antibiotics, Yersinia enterocolitica, temperature, effects on 7790.
- β-lactam antibiotics, 6β-iodopenicillanic acid, inhibition, penicillinase, effects on 3046.
- β-lactamase inhibitors+β-lactam antibiotics 5979.
- Lactobacillus, Bacteroides fragilis, Veillonella, ceftizoxime, cefoperazone, cefoxitin, comparison, in vitro 3005.
- largomycin 12912.
- leucomycin derivatives 4184.
- leucomycin derivatives, structure-activity relationships 4183.
- leucomycin derivatives, synthesis 4185.
- leukocytes (neutrophilic), association, chemiluminescence 6896.
- leukocytes (neutrophilic), defect, association, leprechaunism, children, case reports 2322.
- leukocytes (neutrophilic), Staphylococcus aureus, inhibition, cream, blood, milk, cattle 4544.
- lincomycin, aminoglycoside antibiotics, β-lactam antibiotics, combination, Staphylococcus aureus, Streptococcus group D, Escherichia coli 7764
- linolenic acid, linseed oil, Staphylococcus aureus 8828
- lipophilic acids, fatty alcohols, synergism, Bacillus subtilis 430
- liposomes+penicillins, Staphylococcus aureus, Bacillus licheniformis, Escherichia coli 5925.
- Listeria monocytogenes, trimethoprim, sulfamethoxazole, cotrimoxazole 7853
- lividomycin B analogs, synthesis 7775
- lymphocytes supernatants, association syphilis, syphilis, rabbits, Treponema pallidum 8988
- lysostaphin+lysozyme, staphylococcus 8787.
- Maclura pomifera fruits extracts 450.
- macrolide antibiotics, antibiotic synergism, peptide antibiotics, Pseudomonas aeruginosa, in vitro, in vivo 7800
- macrolide antibiotics, synthesis, mycaminosyltylonolide derivatives 6814.
- macrophages, Listeria, thioglycolate effects on, in vitro, in vivo, mice 542.

[illegible]

Antibacterial activity, (continued)
- Serratia marcescens 1737.
- setamycin, antifungal activity, biosynthesis, actinomycetes 2984.
- silicone, Staphylococcus aureus, hydrocephalus shunts 441.
- silver, preservation bone allografts 8846.
- siomycin A analogs 3033.
- sisomicin, Pseudomonas 5055.
- sodium dodecyl sulfate, sodium dodecyl benzenesulfonate, Thiobacillus novellus, Thiobacillus denitrificans, Thiobacillus ferrooxidans 5963.
- sodium hydrogen 3-(N-hydroxyformamido)propylphosphonate, in vitro, in vivo 1765.
- sodium hypochlorite, Streptococcus faecalis, Escherichia coli, assays 3078.
- sodium nitrite, Salmonella typhimurium, Clostridium perfringens, Micrococcus, Escherichia coli 5128.
- stannous fluoride, treatment, bacteria, periodontitis, man 1955.
- Staphylococcus aureus, β-lactam antibiotics 6803.
- Staphylococcus aureus, antibiotic resistance, methicillin, gentamicin, minocycline± rifampicin 1733.
- Staphylococcus aureus, soaps 4204.
- Staphylococcus epidermidis, Escherichia coli, 3',4'- dideoxyparomomycin analogs 7774.
- Staphylococcus epidermidis, peptides, factors affecting 11412.
- Staphylococcus, Streptococcus, phenoxymethylpenicillin analogs 7781.
- sterigmatocystin, antibiotic synergism, Aspergillus nidulans glycoproteins, Bacillus subtilis 8788
- streptococcin F-29, streptococcin G-2580, Streptococcus group A 12910.
- Streptococcus bovis, carbohydrates effects on fungi patulin 12951.
- Streptococcus group A, penicillin, erythromycin, in vitro 342.
- Streptococcus pneumoniae, erythromycin, clindamycin, penicillin G, tetracycline, doxycycline, chloramphenicol, cotrimoxazole, in vitro 389.
- Streptomyces cervinus sp.nov. cervinomycin A 11346.
- sugars derivatives, 4-nitrophenylhydrazones, N-4-nitrophenylhydrozones, isonicotinoylhydrazones, Micrococcus luteus, Escherichia coli, Bacillus licheniformis 8847.
- sugars osazones, bacteria 10044
- sulbenicillin, anaerobic bacteria 4174.
- sulfamethoxozole, ± trimethoprim, Bacteroides, agar dilution test 6841.
- sulfasalazine, intestinal microflora, man 10278.
- sulfones, Mycobacterium smegmatis, structure-activity relationships 440.
- sulphadimethoxine metals complex 11461
- sulphonamides, Mycobacterium fortuitum, Mycobacterium chelonei 5969.
- synergism, oxytetracycline+EDTA-tromethamine, oxytetracycline+dimethyl sulfoxide, Proteus mirabilis, Salmonella typhimurium, Aeromonas hydrophila 4190.
- taurolin, mechanisms 411.
- teichomycin, comparison vancomycin, Streptococcus group D, Staphylococcus 5931.
- temocillin 11408
- temocillin, comparison, cefazolin, in vitro, Klebsiella pneumoniae 9943.
- temocillin, Enterobacteriaceae 9946
- temocillin, Enterobacteriaceae, Pseudomonas aeruginosa, Staphylococcus, Streptococcus 7785.
- temocillin, gram-negative bacilli, gram-positive cocci, characterization 8764.
- temocillin, penicillinase, stability 9954.
- tetracycline, penicillin, cefuroxime, rosoxacin, Neisseria gonorrhoeae 418
- tetracycline, periodontitis clinical isolates, man 5097.
- tetracyclines, gram-negative bacteria, in vitro 373.
- tetrahydroleucomycin, Escherichia coli, ribosomes binding 11089.
- tetronomycin, gram-positive bacteria, biosynthesis Streptomyces, structure 7739.
- Thermononosporia antibiotics, biosynthesis 8747.
- thiazolerifamycin derivatives 371.
- thienamycin, anaerobic bacteria 8777.
- thienamycin, comparison, antibiotics 9937.
- thienamycin derivatives, Enterobacteriaceae, antibacterial activity 352.
- thiolactomycin 7810.
- thiolactomycin 11421
- thiolactomycin, Salmonella, Serratia, Bacteroides 11360.
- thiosulfonic acid, bacteria, infection, Allium cepa 12948.
- thiram, Rhizobium meliloti, growth, nodulation, Medicago sativa 3094.
- Thran, bacteria recovery, surfaces 7844.
- Thran, recovery bacteria surfaces 7845.
- tiamulin, Mycoplasma bovirhinis, Mycoplasma agalactiae subsp.bovis, Ureaplasma, Mycoplasma dispar, respiratory tract isolates 5098.
- tobramycin, structure-activity relationships 11394.
- triclosan, treatment, Corynebacterium, infection, man 1931.
- trimethoprim analogs, inhibition tetrahydrofolate dehydrogenase, Escherichia coli 12610.
- trimethysilyl 3-(carbethoxyalkylcarbamoyl)propiolates, Mycobacterium smegmatis, Mycobacterium tuberculosis 8842.
- trioxacarcins, biosynthesis, Streptomyces bottropensis 9915.
- Ureaplasma urealyticum, antibiotic sensitivity testing, tetracycline, erythromycin, rosaramicin 306.
- vancomycin+rifampicin, Staphylococcus aureus 369.

Antibacterial agents,
- antibiotic sensitivity testing, methodology 305
- antibiotics, sporaricins, antibacterial activity 2987.
- antibiotics, thiocillin, characterization, structure 2989.
- effects on, bacteria, growth, urine 1759.
- gram-negative bacilli susceptibility, relationship, use 5052.
- 2-hydroxyaclacinomycin A, Streptomyces galilaeus, characterization 2957.
- isosulfazecin, Pseudomonas mesoacidophila sp.nov., biosynthesis, characterization, antibacterial activity 2991.
- β-lactam antibiotics analogs, antibacterial activity, Pseudomonas aeruginosa, structure-activity relationships 3013.
- β-lactam antibiotics, inactivation, penicillinase, antibacterial activity, gram-negative bacteria, screening 3017.
- mitomycin B analogs, synthesis, structure 3084.
- olivanic acids analogs, structure, synthesis, antibacterial activity 2959.
- Pseudomonas aeruginosa, burn infection, animal models, mice 13330.
- resistance, endocarditis, man 981.
- spectinomycin, Acinetobacter calcoaceticus, antibiotic resistance, inactivation 4192
- streptomycin, antibiotic resistance, Streptomyces, role, streptomycin 6-kinase, membrane permeability 2717.
- susceptibility, Bordetella bronchiseptica, isolates, respiratory tract diseases, cats, dogs 7870.
- susceptibility, Haemophilus pleuropneumoniae, animal isolates, pneumonia, pigs

Antibacterial agents, (continued)
- 5904.
- treatment, bronchitis, children 3316.
- treatment, osteomyelitis, man, reviews 10462.
- treatment, otitis media, man 10337.
- treatment, respiratory tract infection, prognosis, man 11718.
- treatment, salmonellosis, relationship, animal models, cattle 2370.
- vineomycin, Streptomyces matensis subsp.vineus, biosynthesis, structure 2958.
- Xanthomonas vesicatoria, antibacterial activity 1701.
- Xanthomonas vesicatoria, infection, induction, hypersensitive response, leaves, Piper nigrum 1701.

Antibiosis,
- Actinomyces viscosus, Streptococcus mutans, bacteriocins 1154.
- Azospirillum lipoferum, Azospirillum brasilense, biosynthesis, bacteriocins 295.
- Bacteroides fragilis, Eubacterium limosum, inhibition, Neisseria gonorrhoeae, growth, in vitro 13459.
- Pseudomonas, rhizosphere bacteria, in vitro, effects on, Solanum tuberosum, growth 2427.

Antibiotic antagonism,
- ampicillin, chloramphenicol, antibacterial activity, Streptococcus group B, treatment, meningitis 3008.
- penicillins, cephalosporins, antibacterial activity, Enterobacteriaceae, Pseudomonadaceae 6824.
- streptomyces, Rhizotonia solani, Rhytophthora megasperma, pathogenicity, soil, agar diffusion test 3675.

Antibiotic AS-40,
- Streptomyces, biosynthesis, role, amino acids, glycolysis, tricarboxylic acid cycle 8752.

Antibiotic A23187,
- biosynthesis, association, glucose incorporation, Streptomyces chartreusis 9911.

Antibiotic A35512B,
- derivatives, characterization, Streptococcus candidus 5898.

Antibiotic BRL 17421,
- antibacterial activity, in vitro, in vivo, man 348.

Antibiotic CC-1065,
- antitumor agents, antitumor activity, biosynthesis, Streptomyces zelensis, characterization 2990.

Antibiotic CGP 9,000,
- clinical trials, urinary tract infection, immunocompromised hosts, diabetes mellitus, man 6227.

Antibiotic CP-45,899,
- +ampicillin, treatment, infection, man, bacteria, ampicillin resistant 9207.
- inhibitors, penicillinase, Streptomyces cacaoi, Bacillus cereus, enzyme kinetics 2795.

Antibiotic DC-14,
- antitumor antibiotics, Streptomyces olivaceus, biosynthesis, isolation 7729.

Antibiotic DL 473,
- antitubercular agents, antibacterial activity, in vitro, in vivo 3036.

Antibiotic DL-8280,
- nalidixic acid derivatives, antibacterial activity 11455.

Antibiotic DL473,
- antibacterial activity, Mycobacterium tuberculosis, Streptococcus pyogenes, Streptococcus pneumoniae, Klebsiella pneumoniae, in vivo, in vitro 4188.

Antibiotic E-0702,
- antibacterial activity 9944.

Antibiotic EM5400,
- Agrobacterium radiobacter, isolation, production, biological properties 7738.
- Agrobacterium radiobacter, production, isolation, characterization 7740.

Antibiotic FR-31564,
- +antibiotics, antibacterial activity, gram-negative bacteria, antibiotic synergism 2997.

Antibiotic GR 20263,
- antibacterial activity 364.

Antibiotic HR 756,
- antibacterial activity 1729.

Antibiotic HR756,
- cephalosporins, antibacterial activity, penicillinase inhibition, binding penicillin-binding protein 9967.

Antibiotic K-52B,
- characterization, physicochemical properties 5041.
- structure 5043.

Antibiotic MK-0366,
- antibacterial activity, in vitro, urinary tract infection isolates 8823.

Antibiotic MK0787,
- antibacterial activity, β-lactam antibiotics comparison, Staphylococcus aureus, Pseudomonas aeruginosa, Bacteroides fragilis, Enterobacteriaceae, Acinetobacter, Serratia 7783.

Antibiotic P-1894B,
- biosynthesis, Streptomyces, inhibition, prolyl hydroxylase 2988.

Antibiotic prophylaxis,
- abdomen surgery, incidence, wound infection, clinical trials, gentamicin, clindamycin, man 10531.
- abdomen, trauma, clinical trials, penicillin, man 10534.
- ampicillin+sulbactam, effects on, intestinal microflora, aerobic bacteria, comparison, anaerobic bacteria, man 11654.
- artery, grafting, postoperative infection, diagnosis, man 3454.
- Aves, psittacosis, chlortetracycline, detection methodology 7806.
- cefamandol, postoperative infection, appendectomy, man 6309.
- cefoxitin, postoperative infection cesarean section, man 6314.
- complications, colon surgery, cefazolin, comparison, cefazolin+metronidazole, man 10498.
- nosocomial infection, risk factors, etiology, man 11921.
- penicillin, burn patients treatment, effects on cellulitis burn infection 6152.
- postoperative infection, association duodenum surgery, man 6210.
- reviews 4490.
- use, surgery, factors affecting, nosocomial infection, disease control, man 10566.
- wound infection, surgery, bacteria, diagnosis, pathology, man, conferences 10845.

Antibiotic PS-5,
- inhibition, penicillinase, Streptomyces cacaoi, Bacillus cereus, enzyme kinetics 2780.

Antibiotic PS-8,
- Streptomyces cremeus subsp.auratilis, biosynthesis, antibacterial activity 11359.

Antibiotic resistance,
- Acinetobacter calcoaceticus, cephalosporins, antibiotic sensitivity testing 12920.

ibiotic resistance, (continued)
cinetobacter calcoaceticus, nosocomial infection, man, hospitals 2079
cinetobacter calcoaceticus subsp.anitratum, association, transposons, plasmid RP4 9988
cquisition, Staphylococcus aureus strains, association phages 5936
crosoxacin, Neisseria gonorrhoeae, clinical isolates 8796
erobic bacteria, vagina colonization, association, antibiotics treatment endometritis, man 11809
mikacin, Escherichia coli, plasmids, role, aminoglycoside phosphotransferase, genetic analysis 3047
mikacin, gentamicin, Staphylococcus aureus 396.
mikacin, Serratia marcescens, plasmids, characterization 7834.
minoglycoside antibiotics, Enterobacteriaceae clinical isolates 10010.
minoglycoside antibiotics, Escherichia coli, Pseudomonas aeruginosa, enzymes 10011.
minoglycoside antibiotics, gram-negative bacteria antibacterial activity 4168.
minoglycoside antibiotics, mechanisms, bacteria, clinical isolates 12921.
minoglycoside antibiotics, Pseudomonas aeruginosa, transduction, phage AP 10003
aminoglycoside antibiotics, Staphylococcus aureus, inactivation, role enzymes 10014.
aminoglycoside antibiotics, Staphylococcus aureus, inactivation, role enzymes 10014.
aminoglycoside antibiotics, Streptococcus, Staphylococcus, clinical isolates, role enzymes 10012
amitracin, Escherichia coli, pneumonia, man, case reports 3320
ampicillin, Enterobacteriaceae 5958
ampicillin, Enterobacteriaceae, R factors, penicillinase 12924
ampicillin, Escherichia coli, caecum, pigs 10639.
ampicillin, Escherichia coli, mutants, R factor Rms201, maintenance 1691.
ampicillin, Haemophilus ducreyi, association, plasmids 11331
ampicillin, Haemophilus influenzae, epidemiology, children 379.
ampicillin, Haemophilus influenzae infection, children 10474
ampicillin, Haemophilus influenzae plasmids, clinical isolates 5949.
ampicillin, Haemophilus influenzae type b 2179
ampicillin, Haemophilus influenzae type b, arthritis, children 5399.
ampicillin, Haemophilus paraphrophilus, pneumonitis, new records, case reports, man 6993
ampicillin, Neisseria gonorrhoeae, plasmids, association, transposon Tn2301, characterization 5877
ampicillin, penicillin, Haemophilus influenzae, Streptococcus pneumoniae, screening, carriers, man 6829
ampicillin, plasmids, expression, Escherichia coli, mutants, colicin K tolerance 2910
ampicillin, plasmids, transfer, penicillinase, role 7839
ampicillin, tetracycline, chloramphenicol, Haemophilus influenzae, R factors, genetic relationship 1677
ampicillin, transfer, role R factors, Salmonella newport 5031.
anaerobic bacteria 11439.
animal isolates, Salmonella 6821
anthramycin, Streptomyces refuineus, biosynthesis, membrane permeability 3053.
antibacterial activity, ceftazidime, comparison cephalosporins 5075
antibiotic sensitivity testing, rosaramicin, erythromycin, Haemophilus, Bacteroides, Campylobacter, Staphylococcus aureus 4182
antibiotic sensitivity testing, Salmonella, Escherichia coli, Pasteurella haemolytica, Pasteurella multocida, animal isolates, surveys 12930
antibiotics, bacteria, pollution effects, sediments, lakes, USA, Vermont 2462.
antibiotics treatment, bacteria infection, man 13326
association, membrane permeability, Pseudomonas aeruginosa, Z61 gene mutants 6513.
association, modification enzymatic, aminoglycoside antibiotics, Pseudomonas aeruginosa, Enterobacteriaceae 12678
association, R factors, bacteria 11438
association, serotyping, Escherichia coli clinical isolates, urinary tract infection 11832
Bacillus subtilis, plasmid pE194, plasmid pUB110, replication, electron microscopy 2908
Bacillus thuringiensis, gene mapping, transduction, phage Φ63 1657
bacitracin, tetracycline, R factors, Escherichia coli, animal isolates, chickens 4200
bacteremia, Aeromonas hydrophila, immunocompromised hosts, man 2241
bacteria 7818
bacteria 8864
bacteria 11431.
bacteria, β-lactamase inhibitors association, medical importance 12929
bacteria, association, prophylaxis, nosocomial infection, burn infection, man, hospitals 10550
bacteria, cefamandole, development, association, treatment, man 3062
bacteria clinical isolates 10062
bacteria, clinical isolates, epidemiology, man 10020
bacteria, genetic control, role, plasmids, evolution, reviews 4196
bacteria mutants, pathogenicity 6822.
bacteria, nosocomial infection, man, disease control 11423.
bacteria, pneumonia, treatment, man 6969
bacteria, R factors 6831
bacteria, R factors, animal wastes, association public health 7825
bacteria, R factors, genetic analysis, books, conferences 10828
bacteria, role translation, protein biosynthesis 5942.
bacteria, septicemia, treatment, fosfomycin, man 11900
Bacteroides, cefoperazone, ± penicillinase inhibitors, effects on 9994
Bacteroides fragilis 5104.
Bacteroides oralis, Bacteroides melanino genicus subsp. melaninogenicus, isolation, oral cavity, pencillinase, production 11434.
Bacteroides, penicillin, antibiotic sensitivity testing, tetracycline, doxycycline, minocycline 5955
Bordetella bronchiseptica animal isolates, R factors 10008.
Brucella abortus isolates, infection, cattle, penicillin susceptibility 8803
carbenicillin, Pseudomonas aeruginosa, penicillinase, isoenzymes, electrophoresis, characterization 1723.
carbenicillin, Pseudomonas aeruginosa, plasmids 10002.
cefazolin, Pseudomonas aeruginosa, Enterobacteriaceae, antibacterial activity, cephalosporins 5082.
cefoperazone, Enterobacteriaceae, clinical isolates 9934.
cefotaxime, ceftriaxone, Enterobacter cloacae, Pseudomonas aeruginosa, role, cephalosporinases, binding 8800.
cefotaxime, sepsis, gram-negative bacteria, clinical trials, man 7155
cefoxitin, Bacteroides thetaiotaomicron, R factors transfer 11429.

Antibiotic resistance, (continued)
cefsulodin, Pseudomonas aeruginosa, strains, characterization 12922.
cephalosporins, Enterobacteriaceae, R factors, membrane permeability 6750.
cephalosporins, gram-negative bacteria 5112.
cephalosporins, inactivation penicillinase, antibacterial activity, Pseudomonas aeruginosa 5123.
cephalosporins, role penicillinase biosynthesis, Enterobacteriaceae, Pseudomonas aeruginosa 5124.
chloramphenicol, Escherichia coli, Alcaligenes faecalis, Klebsiella pneumoniae, soil isolates 12923.
chloramphenicol, Escherichia coli, genes, transcription, phage P1CM effects on 10004.
chloramphenicol, Escherichia coli, R factor R1drd-19 mutation 9881
chloramphenicol, Pseudomonas aeruginosa, chloramphenicol acetyltransferase characterization 1750.
chloramphenicol, Pseudomonas aeruginosa, R factors, genes transposons 9866.
chloramphenicol, R-factors, transposons, Escherichia coli, Salmonella naestved, characterization, genetic analysis 4131.
chloramphenicol, Salmonella typhi, isolation, typhoid fever, man 403.
chloramphenicol, Staphylococcus aureus, plasmid pC194, nucleotide sequence, gene mapping 6745.
clinical isolates, Haemophilus influenzae, Streptococcus pneumoniae, Streptococcus group A, Staphylococcus aureus, agar dilution test 7832.
clinical isolates, Klebsiella, Escherichia coli, Staphylococcus aureus, mastitis, cattle 5107.
clofazimine, Mycobacterium leprae, man, leprosy 12936.
Clostridium difficile, antibiotic synergism, antibiotic sensitivity testing 7759.
cloxacillin, streptomycin, antibiotic sensitivity testing, Moraxella bovis 7842
coliforms, food isolates 1746.
coliforms, seawater, Kuwait 7830
Corynebacterium, man skin isolates, media (enrichment) 3754.
Corynebacterium, nosocomial infection, new records, immunocompromised hosts, man 10635
determinants, macrolide antibiotics, lincosamide, streptogramin, gram-positive cocci, anaerobic bacteria, genes transfer 11433.
development, Haemophilus influenzae rifampicin resistant mutant 5953.
diffusion tests, Neisseria gonorrhoeae clinical trials 11436.
DNA, plasmids, Treponema pallidum 5872.
Enterobacter cloacae, β-lactam antibiotics 12919.
Enterobacter cloacae, cefamandole, association penicillinase 12917
Enterobacter, Escherichia coli, sewage isolates 11440.
Enterobacteriaceae, antibacterial activity, cephalosporins 9952.
Enterobacteriaceae clinical isolates, antibacterial activity, ceftazidime, comparison cephalosporins 5075
Enterobacteriaceae, nosocomial environments isolates, role, R factors 5956.
Enterobacteriaceae, nosocomial infection, neonates, man, sepsis, observation methods 9203.
erythromycin, Escherichia coli, plasmid pSM7322 1685.
erythromycin, lincomycin, role, plasmids, Staphylococcus aureus 1672.
erythromycin, penicillin, cephalosporins, Streptococcus group A 1747.
erythromycin, plasmid pNE131, Staphylococcus epidermidis, characterization, nucleotide sequence 2947.
erythromycin, plasmid pSA5700, staphylococcus, plasmids, replication, Streptococcus pneumoniae, Escherichia coli 8739
erythromycin, rRNA operons, mutation, Escherichia coli 12741.
erythromycin, Streptomyces erythraeus, association adenine dimethylation 12935.
Escherichia coli 4125
Escherichia coli, ampicillin, transposons, transcription 9871.
Escherichia coli, animal isolates, streptomycin, tetracycline, chloramphenicol 4195
Escherichia coli, clinical isolates, Aves 8813.
Escherichia coli clinical isolates, characterization 5111.
Escherichia coli, coliforms, transfer, Salmonella, R factors, antibiotic sensitivity testing, agar diffusion test 6751.
Escherichia coli, enterotoxins, plasmids, isolation, characterization 12863.
Escherichia coli, incidence, chickens 5116.
Escherichia coli, incidence, military personnel, institutions, man, Switzerland, surveys 3072
Escherichia coli, Klebsiella 384
Escherichia coli, Klebsiella, Salmonella, cefoperazone, penicillinase 7823.
Escherichia coli, moxalactam, effects on penicillin-binding protein, membrane structure 6832
Escherichia coli mutants, negamycin 11430.
Escherichia coli, pigs animal isolates, polymyxins 5119.
Escherichia coli, plasmid pKH80 relationship 12841
Escherichia coli, plasmids transfer, Salmonella 11327
Escherichia coli, R factors plasmids, relationship, chemotherapy, Japan 3070
Escherichia coli, R factors, transformation 9880
Escherichia coli, Salmonella, intestinal microflora, neomycin± oxyterracin± streptomycin± chloramphenicol, animals 3074.
Escherichia coli, Salmonella typhimurium, feeds isolates 5113.
Escherichia coli, sheep, abattoirs 1065
Escherichia coli, Shigella, Salmonella, Campylobacter fetus subsp.jejuni, association, diarrhea, children 5957
Escherichia coli, surface water isolates 11443
Escherichia coli, tetracycline, streptomycin, incidence, chickens, pigs, British Isles 3063
Escherichia coli, transposons labelling, Ent plasmid, enterotoxins 7703
Escherichia coli urinary tract infection isolates, association, serum, bactericidal activity, resistance 5952
R factors, bacteria, transfer, urinary tract models 7833.
R factors, transfer, Escherichia coli, pigs animal isolates 5014.
fosfomycin, plasmids, transfer, Escherichia coli 7836
gentamicin, Enterobacteriaceae, epidemiology 8792.
gentamicin, Enterobacteriaceae plasmids, infection, man, hospitals 4134
gentamicin, Enterobacteriaceae, skin isolation sites, man, environmental studies, hospitals 3273.
gentamicin, Escherichia coli, Staphylococcus aureus, induction, light 383
gentamicin, genes, cloning, Pseudomonas aeruginosa, plasmid pMG35, Escherichia coli 9825.
gentamicin, gram-negative bacilli, nosocomial infection, bacteremia, risk factors, man 1020.
gentamicin, gram-negative bacteria 1751.
gentamicin, gram-negative bacteria, isolation, animals 9992.
gentamicin, gram-negative bacteria, R factors, nosocomial infection, man 10007.
gentamicin, infection, treatment, netilmicin, man 975

Antibiotic resistance, (continued)
gentamicin, nosocomial infection, epidemiology, plasmids, man, Klebsiella 10021.
gentamicin, plasmids, Pseudomonas aeruginosa, expression, Escherichia coli 9995.
gentamicin, plasmids, Staphylococcus aureus, clinical isolates 7837.
gentamicin, R factors, plasmids, transposon Tn733, detection 1748.
gentamicin, transfer, Staphylococcus hominis, Staphylococcus aureus, in vitro, in vivo 6819.
gram-negative bacteria, amikacin, gentamicin, tobramycin, hospitals, Canada 1753.
gram-negative bacteria clinical isolates, aminoglycoside antibiotics, role plasmids, enzymes 5946.
gram-negative bacteria, gram-positive bacteria, role membrane permeability 5939.
gram-negative bacteria, septicemia, cefotaxime treatment, man 6268.
Haemophilus ducreyi, clinical isolates, antibiotic sensitivity testing 11377.
Haemophilus ducreyi, plasmids, ampicillin, transfer, Escherichia coli 7697.
Haemophilus influenzae, otitis media, association, ampicillin treatment, children 10324.
Haemophilus pleuropneumoniae, Pasteurella multocida, animal isolates 8797.
hygromycin B, biosynthesis, Streptomyces hygroscopicus 11435.
incidence, Escherichia coli, juveniles, cattle 11445.
istamycins, Streptomyces tenjimariensis, biosynthesis, role, 3068.
kanamycin, Citrobacter diversus, clinical isolates, identification, media (selective) 1261.
kanamycin, Streptomyces kanamyceticus, role, enzymes 3054.
Klebsiella, clinical isolates 12243.
Klebsiella clinical isolates, hospitals patients 9998.
Klebsiella enteritis, neonates, man, Italy 813.
Klebsiella pneumoniae, relationship R factors 5027.
Klebsiella, relationship, types, isolation sites 1317.
β-lactam antibiotics, antibacterial activity, clinical isolates, Bacteroides 11402
β-lactam antibiotics, bacteria, penicillin-binding protein 5940.
β-lactam antibiotics, bacteria, penicillinase, membrane permeability, plasmids 5941.
β-lactam antibiotics, biosynthesis, bacteria, pathogens, reviews 4194.
β-lactam antibiotics, Enterobacter cloacae, Enterobacter aerogenes, penicillinase, role 7835.
β-lactam antibiotics, gram-negative bacteria, penicillinase, periplasmic space membrane permeability 10015.
β-lactam antibiotics, Neisseria gonorrhoeae, role peptidoglycans 8810.
β-lactam antibiotics, Pseudomonas aeruginosa, penicillin-binding proteins characterization, detection, cystic fibrosis, man 382.
β-lactam antibiotics, Pseudomonas aeruginosa, penicillinase, characterization, purification 3055.
β-lactam antibiotics, Pseudomonas aeruginosa, R factors, penicillinase 11425.
β-lactam antibiotics, Pseudomonas aeruginosa, relationship membrane permeability 10941.
β-lactam antibiotics, Pseudomonas aeruginosa, role, penicillin-binding protein, penicillinase 5115.
β-lactam antibiotics, Streptococcus pneumoniae, mechanisms 6828.
β-lactam antibiotics, Streptomyces, penicillinase, penicillin-binding protein 3067
lincomycin, Escherichia coli, plasmid pSM7322 1685.
methicillin+gentamicin, Staphylococcus aureus, nosocomial infection, disease control, infants, man 10620.
methicillin, pyelonephritis, treatment, rats, Staphylococcus aureus 7046.
methicillin, Staphylococcus aureus, association, peptidoglycans biosynthesis 5917
methicillin, Staphylococcus aureus, bacteremia, man, case surveys 3472.
methicillin, Staphylococcus aureus, bacteriuria, man 845.
methicillin, Staphylococcus aureus, infection isolates, man, Greece 1749.
methicillin, Staphylococcus aureus, mastitis isolates, cattle 5106.
methicillin, staphylococcus aureus, MS-2 system, antibiotic sensitivity testing, characterization 8794
methicillin, Staphylococcus aureus, nosocomial infection, case reports, man 12009
methicillin, Staphylococcus aureus, transformation, relationship, transduction 1755.
Micromonospora purpurea, role, ribosomal subunit 30S 10000.
multiple, Escherichia coli, plasmids, R factors, transfer, urinary tract infection, hospitals, man 3045.
mutants, Escherichia coli, carbenicillin, porins levels 246.
Mycoplasma, chloramphenicol, oxytetracycline, neomycin, streptomycin 3057.
Mycoplasma, chloramphenicol, oxytetracycline, tylosin, neomycin, streptomycin 3056.
Mycoplasma infection, inflammatory diseases, genitourinary tract, man 2055.
nafcillin, Staphylococcus epidermidis, endocarditis, clinical aspects, man, case reports 7214.
Neisseria gonorrhoeae, clinical isolates, penicillinase, antibacterial activity, cefotaxime, ceftizoxime 1725.
Neisseria gonorrhoeae, genetic relationship, serotypes specificity 12743.
Neisseria gonorrhoeae, gonorrhea, bacteria, nosocomial infection, man 10006.
Neisseria gonorrhoeae, in vitro 8802.
Neisseria gonorrhoeae, penicillin, plasmids, transformation 5944.
neomycin, kanamycin, detection, mutation frequency, Bacillus thuringiensis, Bacillus popilliae 4113.
neomycin, Pseudomonas aeruginosa, mechanisms, cytochromes levels association 9997.
neomycin, Streptomyces fradiae, role, enzymes 3054.
nosocomial infection, clinical isolates, Serratia marcescens, man, USA, Tennessee 10605.
osteomyelitis, man 998.
oxacillin+aminoglycoside antibiotics, Staphylococcus aureus, nosocomial infection outbreaks, man 967.
oxytetracycline, chloramphenicol, streptomycin, Enterobacteriaceae, isolates, man, chickens, cattle 5110.
oxytetracycline, Staphylococcus aureus, induction, organic compounds 9984.
oxytetracycline, streptomycin, R-factors, transfer, Escherichia coli, Salmonella 2932.
Pasteurella multocida, Pasteurella haemolytica, animal isolates 8812.
penicillin G, Pseudomonas aeruginosa pbpA gene mutants 6823.
penicillin, isolation, Neisseria gonorrhoeae, penicillinase, production 11442.
penicillin, Neisseria gonorrhoeae, clinical isolates 7829.
penicillin, Neisseria gonorrhoeae clinical isolates, role penicillinase 7828.
penicillin, Neisseria gonorrhoeae, isolation, penicillinase biosynthesis, USA, Florida 1754
penicillin, ophthalmia, Branhamella catarrhalis, children, case reports 7216.

Antibiotic resistance, (continued)
penicillin, Staphylococcus, association penicillinase biosynthesis 5954.
penicillin, Staphylococcus group B, recurrent infection, infants, man, case reports 10561.
penicillin, Streptococcus constellatus, association, endocarditis, children, man, case reports 5950.
penicillin, Streptococcus group A mutants, antibiotic tolerance, penicillin-binding protein 7824.
penicillin, Streptococcus group B, bacteremia, man, case reports 10517.
penicillin, Streptococcus pneumoniae, clinical isolates, association, antibiotic sensitivity testing, β-lactam antibiotics 3012.
penicillin, Streptococcus pneumoniae, incidence, USA, Texas 5937.
penicillin, Streptococcus pneumoniae, mechanisms 407.
penicillin, Streptococcus pneumoniae, meningitis, treatment, man 2135.
penicillinase, inhibitors, infection, treatment, man, bacteria 7137.
penicillins, Lactobacillus, autolysis enzymes role 6826.
penicillins, penicillinase, Staphylococcus aureus 11444.
penicillins, plasmids characterization, Neisseria gonorrhoeae, penicillinase biosynthesis, Canada 276.
N plasmid, Klebsiella pneumoniae, killing, conjugation, Escherichia coli 2909.
R plasmid, Vibrio cholerae, genetic analysis, biochemical analysis 9844.
plasmids characterization, electrophoresis, Proteus rettgeri 7688.
plasmids mediation, Escherichia coli, Enterobacter, Klebsiella, Proteus, Salmonella, Serratia, aminoglycoside antibiotics 401.
plasmids mediation, transfer, Bacteroides, Escherichia coli 2929.
plasmids, nosocomial environments Klebsiella isolates, clinical aspects, man 5887.
plasmids, penicillin, tetracycline, Staphylococcus epidermidis, characterization, transfer, Staphylococcus aureus 3049.
plasmids, Streptococcus faecalis, transfer, stimulation, sex pheromone 2907.
polymyxin, Pseudomonas aeruginosa, association, outer membranes membrane permeability 12928.
polymyxin, Pseudomonas aeruginosa, effects on, lipid composition, cations 2837.
polymyxin, Salmonella, pmrA gene mutants, ionic strength effects on 399.
polymyxin, Vibrio cholerae, plasmids, acridine orange, acriflavine, treatment 8741.
pON5300 plasmid, kanamycin, characterization 5019.
population studies, Escherichia coli, Enterobacter cloacae 12926.
Proteus, Enterobacter aerogenes, Enterobacter cloacae, antibiotic resistance, cephalosporins inhibition penicillinase 8814.
Proteus mirabilis, Proteus rettgeri, Proteus vulgaris, incidence 3061.
Pseudomonas aeruginosa, gentamicin, burn patients, association bedding 6946.
Pseudomonas aeruginosa, gentamicin, tobramycin, purification, characterization, aminoglycoside acetyltransferase, aminoglycoside adenyltransferase 7826.
Pseudomonas aeruginosa, plasmids identification, hospitals, Australia 3073.
Pseudomonas aeruginosa plasmids, plasmid pYMB1 281.
Pseudomonas aeruginosa plasmids, plasmid pYMB1, isolation 281.
Pseudomonas aeruginosa, R factors, isolation, characterization 10001.
Pseudomonas aeruginosa, R factors transduction, conjugation, phages 11295.
Pseudomonas aeruginosa, role, outer membranes proteins, cystic fibrosis clinical isolates 397.
Rhizobium, markers, nodulation efficiency 10784.
Rhizobium trifolii U.V. radiation sensitivity mutants 1595.
rifampicin, mutation, Haemophilus influenzae 9986.
rifampicin, Staphylococcus aureus, relationship virulence, mice 8815.
role penicillinase, antibacterial activity, ceftazidime comparison β-lactam antibiotics 5067
role, penicillinase inactivation ceftazidime, cephalosporins 5121.
role plasmids, genetic analysis, Salmonella wien, Salmonella alachua 5029.
Salmonella, animal isolates, clinical isolates, plasmids association, epidemiology, USA 12927.
Salmonella, characterization, geographical distribution, reviews 8801.
Salmonella gallinarum, furazolidone, in vitro, in vivo, chickens 5117.
Salmonella, incidence, association, infection treatment 8809.
Salmonella, isolates, animals, meat, feeds 3064.
Salmonella johannesburg, IncFI plasmid, incompatibility 9856.
Salmonella mutants, association, cell division rates 10963.
Salmonella, R factors, Salmonellosis, man 10018.
Salmonella, screening 12931.
Salmonella serotypes, incidence, transmission, Larus 6473.
Salmonella typhi, Salmonella paratyphi, streptomycin, chloramphenicol, ampicillin, furazolidine, cotrimoxazole, agar dilution test 3044.
Salmonella typhimurium, cephaloridine, role lipopolysaccharides, membrane permeability 10005.
Salmonella typhimurium, clinical isolates 7816.
Salmonella typhimurium, clinical isolates, India 7831.
Salmonella typhimurium, experimental infection, chickens, salinomycin effects on 5455.
Salmonella typhimurium, plasmids 402.
Salmonella typhimurium, R factors, replication 7874.
Salmonella typhimurium, Salmonella dublin, Salmonella cholerae-suis, Salmonella enteritidis, Salmonella gallinarum-pullorum, drug resistance 3115.
septicemia, treatment, cephalosporins+aminoglycoside antibiotics, neonates, man 7131.
Serratia marcescens, chloramphenicol, role, chloramphenicol acetyltransferase 8804.
Serratia marcescens clinical isolates, surveys, Japan 10009.
Serratia marcescens, infection, chloramphenicol, streptomycin, tetracycline, ampicillin, hospitals, neonates, man 3069.
Serratia marcescens, Pseudomonas aeruginosa, moxalactam, pharmacokinetics, treatment, infection, man 3446.
Serratia marcescens, relationship, pigments biosynthesis 5951.
Serratia marcescens, transfer, conjugation 9852.
sewage effluents, coliforms, isolates, transfer, Escherichia coli 12932.
Shigella dysenteriae, infection, man, epidemics, Zaire, plasmids association, characteriztion 8744.
Shigella sonnei clinical isolates, incidence R factors, Col plasmid, Hungary 10017.
showdomycin, Escherichia coli, characterization 5103.
spectinomycin, ampicillin, Bordetella bronchiseptica, R factors, characterization 5938.
spectinomycin, inactivation, Acinetobacter calcoaceticus 4192.
Staphylococcus aureus 380.
Staphylococcus aureus 11441.
Staphylococcus aureus, β-lactam antibiotics, macrolide antibiotics, aminoglycoside antibiotics, peptide antibiotics, tetracyclines 400.

esistance, (continued)
occus aureus, association, plasmids, DNA 2937
occus aureus clinical isolates, methicillin, characterization 3059
occus aureus, epidemiology, burn patients, nosocomial environments 8793
occus aureus, gentamicin, isolation, Denmark 3065
occus aureus, infection, gentamicin, tobramycin, man, hospitals, ce 392.
occus aureus, joint diseases, bone diseases, infants, man 999.
occus aureus, man, occupational exposure, relationship, oxytetracycline, de antibiotics, feeds, pigs 4193.
occus aureus, mastitis, cattle 1067
occus aureus, methicillin, detection, MS-2 system 4198
occus aureus, methicillin, gentamicin, antibacterial activity, cline± rifampicin 1733
occus aureus, methicillin resistance, infection, man, epidemiology 8808.
occus aureus, methodology 404.
occus aureus, moxalactam, antibacterial activity 1722
occus aureus, penicillin, streptomycin, tetracycline, erythromycin, phenicol, gentamicin, man 406
occus aureus, penicillin-binding protein binding cephalosporins 7820
occus aureus, penicillin-binding protein, methicillin, effects on 1461
occus aureus, plasmid pE194, nucleotide sequence, gene mapping, ion 6744
occus aureus, R factors, loss 10016
occus aureus, relationship toxins biosynthesis 1798
occus aureus, source, clinical isolates 378.
occus clinical isolates 395.
occus clinical isolates, relationship virulence, enzymes 11424.
occus epidermidis, septicemia, nosocomial infection, intensive care nan 4465
ccus faecalis, plasmids, R factors, transfer, Staphylococcus aureus

ccus faecium, R factors 7838
ccus group A pharyngitis, erythromycin, man, case reports 9106.
ccus group B, penicillin, pH effects 388
ccus group C, clinical isolates, penicillin 393.
ccus, pGB301 plasmid 5020
ccus pneumoniae, clinical isolates, geographical distribution 6827.
ccus pneumoniae, Italy 30.
ccus pneumoniae, strains, serotyping 9999
yces antibioticus, actinomycin, role, plasmids 5896
yces erythreus, erythromycin, role membranes, ribosomes, protein thesis 7840
yces hygroscopicus, association, enzymes modification hygromycin B 7719.
yces, nosiheptide, antibacterial activity protein biosynthesis 5945
ycin, Arthrobacter, Pseudomonas, rhizosphere, Bouteloua gracilis, roots, es, effects on 2444
ycin, Bacillus subtilis mutants, ribosomal proteins 12925
ycin, Escherichia coli clinical isolates, R factor rBP1 9886
ycin, Escherichia coli, defective mutant, association, nutrient ements, polyamines 2641
ycin, Methylobacterium organophilum, role, transposon Tn5 8737
ycin, Mycobacterium tuberculosis, clinical isolates, isoniazid, surveys, a 3060
ycin, neomycin, Streptococcus agolactiae, Staphylococcus aureus, mastitis s, cattle 10019
ycin, plasmids, Pasteurella multocida, transfer, Escherichia coli 3050.
ycin, Rhizobium, enumeration, soil, rhizosphere, Vigna mungo 2472
ycin, Rhizobium trifolii, nodulation, Trifolium repens 2441
ycin, Streptomyces griseus, role, enzymes 3054
ycin, Streptomyces griseus, Streptomyces bikiniensis, genetic control

ycin, Streptomyces, role, streptomycin 6-kinase, membrane permeability

ycin, use, markers, competition, nodulation, Rhizobium leguminosarum

ricin, Escherichia coli, screening 3051.
mide, Bacillus subtilis, recombinants plasmids, plasmid pKO101 5873
ine, bacteria, in vitro 381
ine, bacteria, role, membranes, diffusion 2609
ine, determinants, Streptococcus, gene mapping, characterization 5943
ine, effects on, Escherichia coli, transposon Tn 10, RNA, terization 2710.
ine, erythromycin, clindamycin, plasmids, Bacteroides fragilis, clinical s, transfer 3048.
ine, Escherichia coli, transposon Tn10, characterization 5948
ine, genes, DNA mutagenesis, methodology, plasmid pKB280 5025
ine, Listeria monocytogenes L form 11437
ine, plasmid JH1, determinants, Streptococcus faecalis 6759
line, plasmids, transfer, Staphylococcus aureus, comparison, positive bacilli 9901
line, promoters, cloning, use plasmid pBRH4, Escherichia coli 4970
line, selection, use plasmid pBR322, plasmid pDR42, Escherichia coli

line, transposition, transposons 1523, role plasmid pIP112, Escherichia 766.
line, transposon Tn10, gene expression, gene mapping 4139
line, transposon Tn1721 gene expression 280.
oton, Streptomyces azureus, role, RNA methyltransferase, purification, cterization 3052
in, Pseudomonas aeruginosa, antibacterial activity, cefsulodin, idime 5081
tion, Staphylococcus aureus, 8738.
, coagulase negative, Staphylococcus, Staphylococcus aureus, mixed re 4197.
, mixed culture, Staphylococcus aureus, phages, transduction 11427.
, Staphylococcus aureus, R factors, Escherichia coli, Vibrio cholerae

son Tn10, gene products, purification, characterization, cloning 6741.
Mycoplasma gallisepticum, animal isolates 10013.
tract clinical isolates, man 4435
Ro 13-9904,
terial activity 364.
terial activity, Haemophilus influenzae, Neisseria gonorrhoeae 344.
sensitivity testing,
bacter calcoaceticus, cephalosporins 12920.

Antibiotic sensitivity testing, (continued)
aerobic bacteria, anaerobic bacteria, clinical isolates, clinical microbiology 12878.
amikacin, disc-diffusion test, methodology 310.
aminoglycoside antibiotics, β-lactam antibiotics, tetracyclines, Streptococcus thermophilus, Lactobacillus bulgaricus 4189
aminoglycoside antibiotics, gram-negative bacteria, enzymes effects on 1751.
aminoglycoside antibiotics, Pseudomonas aeruginosa, clinical isolates, calcium, magnesium, effects on 6782.
analyzers, bacteria clinical isolates 7351
antibacterial activity, antibiotics, bacteria, fish diseases 3001.
antibacterial activity, cefsulodin, Pseudomonas aeruginosa, Staphylococcus aureus 1715.
antibacterial activity, Legionella pneumophila, media (culture), inoculum, effects on 309.
antibacterial activity, Pseudomonas aeruginosa, gentamicin, calcium, magnesium, effects on 387.
antibacterial agents, methodology 305.
antibiotic resistance, Salmonella, Escherichia coli, Pasteurella haemolytica, Pasteurella multocida, animal isolates, surveys 12930.
antibiotics, Aeromonas hydrophila, clinical isolates 9929.
aquatic environment isolates, Aeromonas, Vibrio 9930
association, identification, methodology, anaerobic bacteria 9557.
automated methods, dilution tests, autobac test, MS-2 system 11388.
bacteria, animal isolates, domestic animals, Netherlands 3000.
bacteria, association, trimethoprim, hospitals 11458.
bacteria, cattle semen isolates 5047.
bacteria clinical isolates 5048
bacteria, disc-diffusion test 6777.
bacteria, disease control, methodology, man 11944.
bacteria, methodology 303.
bacteria, mixed infection, diabetes mellitis, ulcers, foot, man 3507.
bacteria, respiratory tract infection, methodology 11376.
Bacteroides, clinical isolates, oral cavity 11381.
Bacteroides fragilis 5104.
Bacteroides fragilis, clindamycin 6775
Bacteroides fragilis, clinical isolates 11386.
Bacteroides penicillin antibiotic resistance, tetracycline, doxycycline, minocycline 5955.
bioassays, clinical microbiology 12880
blood culture isolates, automated methods 7767.
Bordetella pertussis, clinical isolates 7769.
Brucella melitensis, in vitro, clinical isolates 11383.
Campylobacter fetus subsp.jejuni, dilution tests 6779.
Campylobacter fetus subsp.jejuni, in vitro 9926.
carbenicillin, kanamycin, antibiotic synergism, Pseudomonas aeruginosa, mutants 4170.
cefoperazone, antibacterial activity, bacteria 7786
cefoperazone, clinical isolates 7784.
cefoperazone, gram-negative bacteria clinical isolates 11375.
cefoperazone, regression analysis 9956.
cefotaxime, gram-negative bacteria, clinical isolates 5057.
ceftazidime, antibacterial activity, gram-negative bacteria, gram-positive bacteria 5092
chemotherapy, methodology 11378.
chloramphenicol, Haemophilus influenzae 3009
clinical isolates, bacteriuria, pregnancy, man 12881.
clinical isolates, clinical microbiology 12884.
clinical isolates, Mycobacterium 8756.
clinical isolates, Yersinia enterocolitica, Yersinia pseudotuberculosis 9957
Clostridium difficile, antibiotic synergism, antibiotic resistance /759.
Clostridium difficile, cefotaxime, moxalactam, cefoperazone, antibacterial activity 8763
Clostridium difficile, clinical isolates 7760.
computer applications, bacteria, methodology 8755.
Dermatophilus congolensis, tetracycline, oxytetracycline, bacitracin, in vitro 1736.
diffusion tests, dilution tests, anaerobic bacteria 11380
diffusion tests, methodology 11389.
dilution tests, agar dilution test, methodology 11390.
disc-diffusion test, blood isolates 2996
disc-diffusion test, penicillin, Neisseria gonorrhoeae 350.
disc-diffusion test, Pseudomonas aeruginosa, amikacin, gentamicin, tobramycin 319
disc-diffusion test, Staphylococcus aureus, Escherichia coli 9922.
Enterobacteriaceae 7763
Enterobacteriaceae, gentamicin, use, ATP, chemiluminescence 12888.
Escherichia coli, coliforms, R factors, agar diffusion test 6751.
Escherichia coli, R factors, effects on 7693
Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa, role, media 377.
N-formimidoyl thienamycin, comparison β-lactam antibiotics, bacteremia clinical isolates 5902
gentamicin, autobac test comparison disc diffusion test 5909.
gentamicin, tobramycin, sisomicin, bacteria 320.
gonorrhea serotypes, homosexuals, man 2138.
gram-negative bacilli 11385.
gram-negative bacilli, enteric bacteria, methodology 1700.
gram-negative bacilli, methodology 6780.
gram-positive bacteria, Haemophilus influenzae, in vitro 9924.
Haemophilus ducreyi clinical isolates, antibiotic resistance 11377.
Halobacterium cutirubrum 312.
hematological diseases, Pseudomonas infection, amikacin treatment 6784.
identification, anaerobic bacteria 8286.
identification, Rhizobium meliloti strains 10886.
intestinal flora, pathogens, in vitro 2998.
isolates, Proteus infection, man 10559.
Klebsiella, Enterobacter, phage typing, clinical isolates 9574.
β-lactam antibiotics, anaerobic bacteria, clinical isolates, pelvis infection 11407.
β-lactam antibiotics, Haemophilus influenzae 3009.
β-lactam antibiotics, mecillinam, Escherichia coli, Proteus mirabilis, Klebsiella 4169
β-lactam antibiotics, Pseudomonas aeruginosa, antibiotic resistance, pencillinase 3029.
β-lactam antibiotics, Pseudomonas aeruginosa, Serratia marcescens, antibiotic synergism 3011.

Antibiotic sensitivity testing, (continued)
- β-lactam antibiotics, Streptococcus group B 355
- β-lactam antibiotics, Streptococcus pneumoniae, clinical isolates, association, penicillin, antibiotic resistance 3012.
- Lactobacillus, man, space flight 7841.
- Legignella 8758
- Listeria monocytogenes, ampicillin, gentamicin, in vitro 9941
- Listeria monocytogenes clinical isolates 5968.
- methodology 5100.
- methodology 7761.
- mezlocillin disc-diffusion test, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 6791.
- Moraxella bovis, cloxacillin, streptomycin, antibiotic resistance 7842.
- moxalactam disodium, Enterobacteriaceae 6808.
- MS-2 system, antibiotic resistance, methicillin, staphylococcus aureus, characterization 8794.
- Mycobacterium fortuitum, β-lactam antibiotics, aminoglycoside antibiotics 6787.
- Mycobacterium marinum, tetracyclines, aminoglycoside antibiotics, in vitro 3003.
- Mycobacterium, rifamycin+aminoglycoside antibiotics+ethionamide, ethambutol 5906.
- Mycobacterium, treatment, mycobacteriosis, conferences 6449.
- Neisseria gonorrhoeae 5118.
- Neisseria gonorrhoeae 7766.
- Neisseria gonorrhoeae, agar dilution test, agar diffusion test 6776
- Neisseria gonorrhoeae, clinical isolates 11382
- Neisseria gonorrhoeae, media (selective), vancomycin, effects on 6817.
- Neisseria gonorrhoeae, penicillin, ampicillin, spectinomycin, minocycline, chloramphenicol, erythromycin, cotrimoxazole, cefotiam 1728.
- Neisseria gonorrhoeae, penicillinase, serotyping, agar dilution test 3058.
- Neisseria gonorrhoeae, salpingitis isolation, man 915.
- Neisseria gonorrhoeae, tetracycline, erythromycin, septrin, spectinomycin, ampicillin, benzylpenicillin, cephaloridine, streptomycin, Nigeria 1731.
- Neisseria meningitidis, chloramphenicol, penicillins, cephalothin, tetracycline, spiramycin 325.
- otitis media isolates, bacteria 2006.
- penicillin, staphylococcus aureus, Autobac test 4180.
- penicillins, Escherichia coli, Klebsiella, Citrobacter, Proteus, clinical isolates 4175.
- Pittsburgh pneumonia agent 10339
- Pseudomonas aeruginosa, aminoglycoside antibiotics 4167.
- Pseudomonas aeruginosa, patterns 9925.
- Pseudomonas aeruginosa, pyocin typing, aeruginocine 8785.
- Pseudomonas, Enterobacteriaceae, Staphylococcus aureus, mezlocillin, carbenicillin, methodology 391.
- Pseudomonas pseudomallei 5054.
- quality control, agar diffusion test 12885.
- Rhizobium, Agrobacterium 9923.
- rifampicin, Mycobacterium 5947.
- rosaramicin, erythromycin, antibiotic resistance, Haemophilus, Bacteroides, Campylobacter, Staphylococcus aureus 4182.
- Salmonella 9931.
- Salmonella, isolates 8759.
- Serratia marcescens, cefsulodine+β-lactam antibiotics, antibacterial activity, antibiotic synergism 3018
- Staphylococcus 11428.
- Staphylococcus aureus, coagulase negative Staphylococcus, cattle, mastitis, isolates 385
- Staphylococcus aureus, Staphylococcus saprophyticus 4165.
- Staphylococcus aureus, streptomycin, kanamycin, tetracycline, chloramphenicol, erythromycin 3107.
- Staphylococcus epidermidis, Providencia, antibacterial activity, equipment 304.
- Staphylococcus, phages 11428.
- Streptococcus, chickens isolates 12883.
- Streptococcus faecium, strains, biochemical characteristics, taxonomy 2575.
- Streptococcus group D clinical isolates 5905.
- Streptococcus pneumoniae clinical isolates 4687.
- streptomycin, tetracycline, ampicillin, chloramphenicol, Shigella dysenteriae, Shigella flexneri 6825.
- Ureaplasma urealyticum, antibacterial activity, tetracycline, erythromycin, rosaramicin 306.
- Vibrio 7821
- Vibrio parahaemolyticus 9635
- viomycin, Streptomyces puniceus variants 8781.

Antibiotic SF-1739,
- antibacterial activity, gram-negative bacteria 7809
- Streptomyces griseoplanus, isolation, structure, antitumor activity 11364

Antibiotic SQ 26,180,
- Chromobacterium violaceum, biosynthesis, antibacterial activity 7727
- structure 7736.

Antibiotic SQ 27,860,
- isolation, Serratia, Erwinia, characterization 11345.

Antibiotic SQ26,776,
- antibacterial activity, gram-negative bacilli 6805.

Antibiotic SU,
- Micromonospora sagamiensis biosynthesis, structure 11373.

Antibiotic SU-2,
- complex, production, 2-deoxystreptamine idiotroph Micromonospora sagamiensis 7723.

Antibiotic synergism,
- alafosfalin+cephalexin, antibacterial activity 1732.
- amikacin, gentamicin, ± carbenicillin, ± piperacillin, antibacterial activity, Pseudomonas aeruginosa 12889
- aminoglycoside antibiotics, azlocillin, mezlocillin, antibacterial activity, Pseudomonas aeruginosa 9968.
- amoxicillin, clavulanic acid, in vivo, in vitro, Haemophilus influenzae 321.
- ampicillin+gentamicin, mice, meningitis, Streptococcus group B experimental infection 13212.
- antibacterial activity 7762.
- antibacterial activity, cephalosporins 9933.
- antibacterial activity, gram-negative bacteria, antibiotic FR-31564+antibiotics 2997.
- antimicrobial agents, dose-response effects, models 4466.
- Aspergillus nidulans glycoproteins, sterigmatocystin, antibacterial activity, Bacillus subtilis 8788
- Aspergillus nidulans glycoproteins, sterigmatocystin, antibacterial activity, gram-positive bacteria 8789.

Antibiotic synergism, (continued)
- azlocillin± cefotaxime± amikacin 1704.
- bactericidal activity, assays 11392.
- carbenicillin, kanamycin, antibiotic sensitivity testing, Pseudomonas aeruginos mutants 4170.
- cefoperazone, penicillinase inhibitors 345.
- cefotaxime, desacetyl-cefotaxime, antibacterial activity, penicillinase stability 9969.
- cephalothin+thiamphenicol, antibacterial activity, Bacteroides fragilis 3023.
- chloramphenicol+ampicillin, gram-negative bacteria 5109.
- clavulanic acid, amoxicillin, antibacterial activity, Haemophilus ducreyi, susceptibility 333.
- Clostridium difficile, antibiotic sensitivity testing, antibiotic resistance 7759.
- erythromycin+colistin, Serratia marcescens 5049.
- fortimicin A, β-lactam antibiotics, antibacterial activity, Pseudomonas aeruginosa 343.
- β-lactam antibiotics, antibiotic sensitivity testing, Pseudomonas aeruginosa, Serratia marcescens 3011.
- macrolide antibiotics+peptide antibiotics, antibacterial activity, Pseudomonas aeruginosa, in vitro, in vivo 7800.
- metronidazole, +antibiotics, antibacterial activity, Bacteroides 9927.
- mezlocillin, antibacterial activity, reviews 12896.
- moxalactam+gentamicin, Staphylococcus aureus, Pseudomonas aeruginosa, clin isolates 12887.
- penicillin+gentamicin, antibacterial activity, kinetics, Streptococcus group A, Streptococcus group B 1711.
- penicillins, streptomycins, endocarditis, Streptococcus faecalis, experimental infection, rabbits 8098.
- polymyxin B+gramicidin, treatment, Enterobacter aerogenes, Salmonella typhi, infection, animals 4571.
- sulbactam, inhibition, biosynthesis, penicillinase, mice 361.
- treatment, bacteria infection, man 11996.
- trimethoprim+sulfonamide, treatment, bacteria infection, man, association urine 8757.

Antibiotic T-1551,
- cephalosporins, antibacterial activity 9964.

Antibiotic therapy,
- bacteremia, Staphylococcus aureus, cancer patients, man 9245.
- burn infection, bacteria, adherence, skin, man, reviews 3274.
- cefoperazone, pharmacokinetics, antibacterial activity, reviews 4171.
- colonization, oropharynx, gram-negative bacteria, role, pneumonia, nosocomial infection, man 3341.
- effects on, fecal microflora, oral microflora, leukemia, man 3268.
- glucose+, cattle mastitis 3570.
- intestinal microflora, suppression, Clostridium difficile, cecitis, hamsters 3603.
- laminar air flow, nosocomial environments, prophylaxis, bacteria, infection, leukemia, man 3450.
- moxalactam, association, colitis, Clostridium difficile, endotoxins, man, case reports 3145.
- prophylaxis, postoperative infection, colon, man 4413.
- tetracycline, psittacosis, chlamydia, case reports, man 9102.

Antibiotic TM-531B,
- Streptomyces hygroscopicus, biosynthesis, structure, N.M.R. 2972.

Antibiotic TM-531C,
- antibiotic TM-531B, Streptomyces hygroscopicus, biosynthesis, structure, N.M.R 2972.

Antibiotic tolerance,
- amikacin derivatives, plasmids, Escherichia coli 8799.
- β-lactam antibiotics, penicillinase, screening 12933.
- methicillin, Staphylococcus aureus, methodology 8267.
- nafcillin, Bacillus subtilis role proteinase, extracellular enzymes 7822.
- Streptococcus group B, penicillin, characterization, clinical isolates, neonates, man 3066

Antibiotic U 62162,
- Streptomyces verdensis sp.nov., biosynthesis, antibacterial activity, Staphylococcus aureus 11348.

Antibiotic U-62162,
- Streptomyces verdensis, isolation, characterization 7721.

Antibiotic Win 42122-2,
- antibacterial activity, gram-negative bacteria, clinical isolates 3037.

Antibiotic X-14667A,
- Streptomyces cinnamonensis subsp.urethanofaciens, biosynthesis, antibacterial activity 3042.
- Streptomyces cinnamonensis subsp.urethanofaciens, structure, relationship, monesin 2983

Antibiotic X-14667B,
- Streptomyces cinnamonensis subsp.urethanofaciens, biosynthesis, antibacterial activity 3042.
- Streptomyces cinnamonensis subsp.urethanofaciens, structure, relationship, monesin 2983

Antibiotic YM09330,
- cephamycins, antibacterial activity, gram-negative bacteria 9966.

Antibiotic 6059-S,
- antibacterial activity 1752.
- antibacterial activity, in vitro, bacteria infection treatment, man 1744.
- antibacterial activity, Streptococcus pyogenes, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 1720.
- antibacterial activity, treatment, infection, children 1743.
- antibacterial activity, treatment, infection, children 5099.
- treatment, bacteria infection, children 1752.
- treatment, bacteria infection, children 2134.
- treatment, bacteria infection, children 2316.
- treatment, bacteria infection, children 2320
- treatment, bacteria infection, pharmacokinetics, children 2318.
- treatment, bacteria infection, respiratory tract, urinary tract, gastrointestinal tract, children 2016.
- treatment, biliary tract diseases, tissues concentration, man 2046.
- treatment, genital tract infection, man 2103.
- treatment, infection, relationship, pregnancy, man 2103.
- treatment, peritonitis, man 2317.
- treatment, pertussis, pneumonia, enteritis, meningitis, man 2020.

Antibiotic 7303,
- antibacterial activity, Bacteroides fragilis 3010.

, 006-I,
orium spongiosum, antibacterial activity, antifungal activity 7812.
orium spongiosum, production, physicochemical properties, antibacterial
. 7718.
al activity, antifungal activity 11422

ces viscosus, effects on levansucrase biosynthesis 8619
cetes, secondary metabolism, role survival 11341
gens, treatment, dysentery, enterocolitis, children 10362
ial activity, Capnocytophaga, sensitivity 308
ial activity Chlamydia 9972.
ial activity, Helianthus tuberosus 307
ial activity, in vitro models 2999
ial activity, Staphylococcus epidermidis, relationship, anaerobic
ons 3002
ial activity, temperature effects on 5053
resistance, bacteria, pollution effects, sediments, lakes, USA,
nt 2462
sensitivity testing, Aeromonas hydrophila, clinical isolates 9929
synergism, cefoxitin, antibacterial activity, Enterobacteriaceae 362.
n, antibody-coated bacteria, relationship, urine, neuropathology, man

n, colitis, Clostridium difficile, clinical aspects, man, case surveys

n, diarrhea, colitis, Clostridium difficile toxins, man 498
n, diarrhea, incidence, Clostridium difficile, man 13178.
n, pseudomembranous colitis, Clostridium difficile, incidence,
iology, case reports, man 7017.
on, pseudomembranous colitis, Clostridium difficile toxins,
enesis, man 11496
on pseudomembranous colitis, treatment, metronidazole, man, case reports

on, Streptococcus pneumoniae isolation methodology, respiratory tract
ons, man 10860
tasis, gram-negative bacteria, gram-positive bacteria 12879.
tasis parameters, radiometry methodology 7377
esis, Actinomadura kijaniata sp.nov., characterization, isolation, soil,
8300.
esis, Azotobacter chroococcum, antifungal activity 9914.
esis, Brevibacterium, man skin isolates 4148.
esis, Streptomyces cell walls, detection methodology, antibacterial
y 9980
ers, treatment, postoperative infection, man, abdomen 12024
ne, antibacterial activity, experimental infection, gram-positive
ia, gram-negative bacteria, mice 3567
ora, antibacterial activity, Bacillus mycoides, Staphylococcus aureus 429.
son, N-formimidoyl thienamycin, antibacterial activity 9938.
son, thienamycin, antibacterial activity 9937
ices 9498
ntake, association, Escherichia coli drug resistance fluctuations,
iles, chickens 10055
tiation, Streptomyces griseus, regulation, 4,5-dihydroxydecanoic
-lactone 7733
control, nosocomial infection, wound infection, surgery, man, reviews
2
control, Xanthomonas phaseoli, leafspot, Vigna radiata 13454.
on bacteria virulence 8760
on diarrhea, Clostridium difficile toxins role, children 7893
on Escherichia coli toxigenicity incidence, man, Philippines 991
on immune response, association, Brucella vaccination, rabbits 10254.
on lipase biosynthesis, Propionibacterium acnes 1735
on monocytes phagocytosis, Escherichia coli, mice 11582.
on Mysis stenolepsis microflora, association, cellulose digestion 12036.
on recurrent infection, otitis, Streptococcus pneumoniae, animal models

on Rhizobium, Arachis hypogaea isolates, in vitro 3730.
on Streptococcus pyogenes adherence, cell membranes, pharynx epithelium
, in vitro 5051.
on symbionts, mycetome, diets, Rhizopertha dominica 10731.
ation, Rhizobium, soil 1227.
pelothrix rhusiopathiae vaccination, immunosuppression, mice 646.
prophylaxis, mastitis-metritis-agalactia syndrome, pigs 5454.
pplications, Pisum sativum, effects on, rhizosphere microorganisms,
cts on, bacteria 10769.
egative bacilli susceptibility, relationship, use 5052
oxytropolon, Pseudomonas, structure, activity 6773
azecin, Pseudomonas mesoacidophila sp.nov., biosynthesis,
acterization, antibacterial activity 2991
nycin, antibacterial activity, , anaerobic bacteria infection treatment, man
35
nicin, Actinomadura kijaniata sp.nov., biosynthesis, antibacterial
vity, characterization 2986
um antibiotics, antibacterial activity, Myxococcus xanthus 2587.
is prophylaxis, relationship, weaning, sheep 2391.
(isolation), Yersinia enterocolitica, identification, biochemical
racteristics, API test 2516
(selective), reviews 6456
onidazole, antibiotic synergism, antibacterial activity, Bacteroides 9927.
monospora sagamiensis, biosynthesis, antibacterial activity 11354
immunoglobulin G, treatment, septicemia, pneumonia, man 1016.
acokinetics, bacteria infection, renal insufficiency, man 12004
rties, lignin components, antimicrobial activity 10041.
ylaxis, Bacteroides fragilis, Escherichia coli, postoperative infection,
on surgery, man 973.
ylaxis, endocarditis, Streptococcus viridans, dental manipulation, man
88
ylaxis, infection, association, cesarean section, man, reviews 4484.
ylaxis, infection, children 9241.
ylaxis, infection, man 6284.
ylaxis, meningitis, septicemia, neonates, man 10533.
ylaxis, otitis media, children 13131.
ylaxis, pediatrics surgery, postoperative infection, characterization 6292.
ylaxis, postoperative infection, appendix surgery, man 974.
ylaxis, postoperative infection, association, orthopedics surgery, man
57.
ylaxis, postoperative infection, association, prostate, transurethral

Antibiotics, (continued)
resection, man 7029
prophylaxis, postoperative infection, associaton, surgery, obstetrics, gynecology, man 9267
prophylaxis, postoperative infection, birth, man 13329.
prophylaxis, postoperative infection, clinical trials, man 10502.
prophylaxis, postoperative infection, lung surgery, man 2256.
prophylaxis, postoperative infection, man, reviews 2200.
prophylaxis, postoperative infection, nervous system surgery, man 6306.
prophylaxis, postoperative infection, prostate surgery, man 5371.
prophylaxis, postoperative infection, relationship, surgery sites, bacteria concentration, man 3492
prophylaxis, postoperative infection, sepsis, association, surgery, colon, rectum, man 3365.
prophylaxis, septicemia, association, cholecystectomy, man 9311.
prophylaxis, septicemia, association, urinary tract surgery, man 7103.
prophylaxis, Staphylococcus, postoperative infection, man 4500.
prophylaxis, surgery, wound infection, bacteria, characterization, man 7206.
prophylaxis, urethritis, man 13207.
prophylaxis, urinary tract infection, man 5326.
pseudomembranous colitis, Clostridium difficile, recurrent infection, man, case reports 2027.
pyridoxine+immunotherapy, treatment, acne, clinical trials, man 3272
resistant mutant, Rhizobium, streptomycin, erythromycin 6820.
+rifamycin, antibacterial activity, Staphylococcus 3034.
+rifamycin, treatment, mycobacteriosis, Mycobacterium kansasii, lung, man 6165
role, competition, bacteria, fungi, protozoa 6405.
role, dimethylmaleic anhydride induction Escherichia coli ribosomes proteins release 11090
role, leukocytes (polymorphonuclear) phagocytosis Streptococcus pyogenes 10222.
saframycin S, antibacterial activity, gram-positive bacteria, antitumor activity 1745.
screening, culture methodology 7745.
selection, treatment, bacteria infection, patients, man 11986
+serum, synergism, antibacterial activity, man, in vitro 12882.
sporaricins, Saccharopolyspora hirsuta subsp.kobensis, antibacterial activity, structure 2987
sterilization, heart valves replacement, prophylaxis, graft-versus-host reaction, man 1006
stimulation, Escherichia coli chemotactic factors release, effects on leukocytes (granulocytic) chemotaxis 13030.
stimulation, Escherichia coli, Staphylococcus aureus, susceptibility, phagocytosis, leukocytes 13027.
Streptomyces, biosynthesis, acridine dyes effects on 11363.
susceptibility, non-fermentative gram-negative bacteria 11387.
susceptibility, relationship lipopolysaccharide composition, strains, Pseudomonas aeruginosa 7627.
technology, antibacterial activity 12886
Thermononosporia biosynthesis, antibacterial activity 8747.
thiocillin, characterization, structure 2989
treatment, abscesses, kidney, man 858
treatment, anaerobic bacteria infection, man 10591
treatment, anthrax outbreaks, cattle 12066.
treatment, arthritis, Neisseria gonorrhoeae, man 925.
treatment, association, biliary tract surgery, microflora, man 12001.
treatment, association, rifampicin resistance, Haemophilus influenzae 8795
treatment, association, Salmonella typhimurium penetration intestine mucosa, animal models 10379.
treatment, bacteria, adherence, colonization, virulence, mucosa, epithelium, children, conferences 10841
treatment, bacteria bronchitis, man 11747
treatment, bacteria, diagnosis, arthritis, man 5390.
treatment, bacteria infection 13287
treatment, bacteria infection, antibiotic resistance, man 13326.
treatment, bacteria, infection, bone, joints, animal models 5387.
treatment, bacteria infection, bone, joints, man 3535
treatment, bacteria infection, children 10578.
treatment, bacteria infection, man 9302
treatment, bacteria, infection, man, pregnancy 9256.
treatment, bacteria infection, man, reviews 7114
treatment, bacteria infection, recommendations, man, surveys 7179.
treatment, bacteria meningitis, man 9178.
treatment, biliary tract infection, bacteria, man 3511
treatment, botulism, clinical aspects, case reports, infants 11523.
treatment, brain tuberculoma, man, case reports, reviews 892
treatment, bronchopulmonary infection, bacteria, man, reviews 13155.
treatment, burn infection, bacteria, man, reviews 13256.
treatment, bursitis, septicemia, man 11968
treatment, ceftazidime, toxicity, antibacterial activity, immunosuppression, pharmacokinetics, conferences 5549
treatment, cerebrospinal fluid shunts infection, bacteria, man 11978.
treatment characterization, bacteria infection, man 12005.
treatment, cystic fibrosis, cephalosporins, antibacterial activity, Pseudomonas aeruginosa, Staphylococcus aureus, man 5087.
treatment, diarrhea, man, infection, Enterobacteriaceae 9135
treatment, effects on, immune response, Enterobacter cloacae experimental infection, mice 13370.
treatment, endocarditis, Brucella melitensis, immune response (humoral), immune response (cell-mediated), man, case reports 9238.
treatment, endometritis, association, vagina colonization, antibiotic resistance aerobic bacteria, man 11809
treatment, Escherichia coli infection, pigs digestive tract 6202
treatment, eye diseases, man, infection, bacteria 10492
treatment, gonorrhea, man 7075
treatment, gonorrhea, man, Korea 13244
treatment, incidence, nosocomial infection, hospitals 1022.
treatment, infection, dose-response effects, man 9284
treatment, infection, recommendations, man 12017.
treatment, man, genital tract infection, Chlamydia trachomatis 9187.
treatment, man, infection, bacteria, reviews 9265.
treatment, man, keratitis 10495.
treatment, man, microorganisms infection 10501.
treatment, man, surveys, Czechoslovakia 10607.
treatment, mastitis, cattle 2358.
treatment, meningitis, man 13211.
treatment, mixed infection, aerobic bacteria anaerobic microorganisms,

Antibiotics, (continued)
cost-benefit analysis 6290.
treatment, Mycoplasma hyorhinis contamination, mammalian cells, cell lines 8281.
treatment, nasapharynx infection, man, conferences 13542.
treatment, non-fermentative gram-negative bacteria, eye experimental infection, animal models, man 13317.
treatment, oral infection, man, bacteria 10305.
treatment, osteomyelitis, man 998.
treatment, otitis, gram-negative bacteria, man 766.
treatment, otitus media, man 11863.
treatment, otitis media, man 13128.
treatment, otolaryngeal infection, man 10323.
treatment, pasteurellosis, rabbits, association, Clostridium difficile colitis 8119.
treatment, periodontal diseases, bacteria, reviews, man 6954.
treatment, periodontal diseases, man, reviews 5281.
treatment, pleuropneumonia, Klebsiella, Escherichia coli, experimental infection, animal models, man 10343.
treatment, pneumonia, man 10335.
treatment, postoperative infection, bacteria, man, surgery 10580.
treatment, postoperative infection, man 13322.
treatment, prophylaxis, mastitis, cattle, Staphylococcus aureus, Streptococcus 5483.
treatment, Propionibacterium acnes, acne, man 10296.
treatment, Pseudomonas aeruginosa keratitis, animal models, man 13318.
treatment, respiratory tract infection, man 13157.
treatment, respiratory tract infection, urinary tract infection, bacteria, man 10355.
treatment, sepsis, bacteria, association, leukocytosis, fever, man 13316.
treatment, sepsis, neonates, man 7180.
treatment, septicemia, neonates, man 7129.
treatment, spondylodiscitis, role, bacteria identification, man 5403.
treatment, Staphylococcus aureus endophthalmitis, man 5431.
treatment, Staphylococcus infection, cerebrospinal fluid shunts, man 10433.
treatment, Staphylococcus infection, mice, effects on enzymes activity 10668.
treatment, Streptococcus faecalis, Escherichia coli, pyelonephritis, pharmacokinetics, animal models 13257.
treatment, Streptococcus group A endocarditis, association, blindness, panophthalmitis, man, case reports 13284.
treatment, Streptococcus group A respiratory tract infection, role, carriers, man 1981
treatment, teat dips, Serratia marcescens mastitis, cattle, case reports 13393.
treatment, toxic epidermal necrolysis, Staphylococcus aureus, circumcision complications, neonates, man 11676.
treatment, urinary tract infection, bacteria, association, lithiasis, man 5325.
treatment, urinary tract infection, children 848.
treatment, urinary tract infection, geriatrics 7031.
treatment, urinary tract infection, man 10394.
treatment, urinary tract infection, man 10401.
treatment, urinary tract infection, man, surveys 9147.
treatment, valves heart diseases, association, endocarditis, bacteria, man 1043.
tylosin, biosynthesis, Streptomyces fradiae, mutants, characterization 2978.
tylosin biosynthesis, structure-activity relationships 5930.
use, decontamination, gastrointestinal tract microflora, association, prophylaxis, infection, monkeys 13361.
use, digestive tract decontamination, microflora, association, neutropenia, man 11775.
use, estimation, heterotrophy, photosynthesis, rates, algae, heterotrophic bacteria, mixed culture 12366.
use, microorganisms life cycles studies, mitochondria morphogenesis 9582.
use, prophylaxis, recurrent infection, toxic shock syndrome, man, USA 11490.
Xenorhabdus, biosynthesis 1695.

Antibodies,
Actinobacillus actinomycetemcomitans, levels, periodontitis, man 598.
Anaplasma marginale, detection, use, agglutination, complement fixation, cattle 1840.
antigen O, antigen K, salmonellosis diagnosis, man, use 7981.
association, serum, man, immune response, Escherichia coli 11614.
bacteria endotoxins, immunization (passive), endotoxin shock, cats 664.
BCG, maternal transfer, dogs 528.
biosynthesis, lymphocytes inhibition, association, Clostridium tetani toxoids vaccination, man 4333
+blocking antibody, man, Clostridium tetani toxins 4323.
Brucella abortus, radiometry, hemolysis tests antigens, characterization 6029
Brucella, incidence, serum, Artiodactyla, Germany, Fed. Rep. 3637.
cell surface proteins, identification, Haemophilus influenzae, radioactive labelling+immunoprecipitation 525.
Chlamydia, incidence, cattle, Hungary 5464.
Chlamydia trachomatis, enzyme-linked immunosorbent assay, micromethods 508.
Chlamydia trachomatis, immunoglobulin G, detection, use, enzyme-linked immunosorbent assay, salpingitis, man 7906
Chlamydia trachomatis, incidence, genital tract infection, man 2143.
Clostridium difficile, incidence, man 6287.
Clostridium tetani, Corynebacterium diphtheriae, detection, children, adults, man 3548.
Clostridium tetani, production, in vitro, lymphocytes, man, interaction 3239.
Clostridium tetani, tetanus, detection, man 4288.
Corynebacterium diphtheriae, Clostridium tetani, toxoids, levels, multiple sclerosis, man 566.
deoxyribonuclease II, detection, diagnosis, Streptococcus infection, man 6877.
Dermatophilus congolensis, serum levels, detection, milk, streptotrichosis, cattle 1906.
detection, Bacillus anthracis enzyme immunoassay, fluorescent antibody test, enzyme immunoassay, anthrax, man 12997.
detection, hemagglutination tests, specificity, Treponema pallidum, syphilis 6025.
detection, passive hemagglutination, Mycoplasma mycoides subsp.mycoides, infection, cattle, immune response 11628.
detection, Serratia marcescens infection, diagnosis, Enterobacteriaceae antigens cross-reaction, man 11592.
detection, serum, enzyme-linked immunosorbent assay, Neisseria meningitidis polysaccharides, man 6033.
detection, Staphylococcus aureus infection, radioimmunoassay solid phase methods, man 11583.
detection, Streptococcus group A, infection, man, heart, association, immune serum 9015

Antibodies, (continued)
DNA, induction, bacteria lipopolysaccharides, role DNA injections 7944.
effects on Escherichia coli interaction complement C1 10191.
effects on Neisseria gonorrhoeae virulence, cell membranes antigens 5198.
effects on poultry intestinal microflora 12038.
Escherichia coli, enterotoxins, detection, infants, mothers, man, Ethiopia, Sweden, Costa Rica 3229.
Escherichia coli, levels, urinary tract infection, children, man 3393.
Escherichia coli, Proteus mirabilis, serum levels, relationship, surgery, man 550.
gonorrhea, detection, enzyme-linked immunosorbent assay, use, Neisseria gonorrhoeae cells, man 505.
immune serum, precipitatim, antigens, Treponema pallidum, purification 101
immunoglobulin E, production, Pseudomonas aeruginosa toxoids, mice 1891
immunoglobulin G, anaerobic bacteria, detection, blood donors, man 571.
immunoglobulins, levels, serum, urine, urinary tract mixed infection, man 18
immunosuppression induction, relationship, Clostridium tetani toxins vaccinat infants, man 1914.
lactaldehyde reductase (NADPH), immobilized enzymes, U.V. radiation, fluorescence, detection Neisseria gonorrhoeae 9805.
Legionella pneumophila, detection, agglutination, seroepidemiology, man, 68
Legionella pneumophila, detection, enzyme-linked immunosorbent assay, man
Legionella pneumophila, detection, immunodiffusion, man 4246.
Legionella pneumophila, detection, incidence, animals 3189.
Legionella pneumophila, detection, use, immunoferritin electron microscopy, association, Legionnaire's disease, man 9002.
Leptospira interrogans, incidence, levels, pigs, British Isles 602.
Leptospira interrogans ser.hardjo, detection, sheep, enzyme-linked immunosor assay 3163.
Leptospira lipopolysaccharides antigens, role, immunity, infection, mice 8996.
Leptospira, serological surveys, sheep, British Isles 6353.
levels, diphtheria, toxoids vaccination, guinea-pigs 11645.
levels, man, cirrhosis, Enterobacteriaceae endotoxins 10233.
levels, streptococcus group B, sexually-transmitted diseases, man 929.
levels, Streptococcus group D, experimental infection, urinary tract, rabbits 1878.
lipid A, serum levels, association, urinary tract infection, females, man 3208.
lysozyme, antibody response, Micrococcus luteus vaccination, rabbits 1913.
macrophages, role, immune response, Salmonella typhimurium experimental infection, mice 1903.
man immunoglobulin G, production, association, Streptococcus vaccination, ra 9066.
maternal transfer, horses, failure 1098.
maternal transfer, role, Streptococcus group B infection, infants, man 608.
microorganisms, incidence, Crohn's disease, man 6115.
mobility, cell surface, viruses, induction, cell fusion, Acholeplasma laidlawii 12285.
Mycobacterium leprae antigen 7 antigenic determinants, characterization, lepros man 3240.
Mycobacterium, radioimmunoassay, tuberculin skin tests, BCG vaccination, BC immunotherapy, cross-reaction antigens, effects on, man 8909.
Mycoplasma gallisepticum, Mycoplasma synoviae, detection, agglutination, Ave 12996.
Neisseria meningitidis, antisera, heavy chains, identification, horses, in vitro 4273.
neutralization, infectivity, Chlamydia trachomatis, membrane proteins, HeLa cel 13036.
peptidoglycans, Staphylococcus aureus, infection, serum levels, man 1880.
phosphocholine, mice, Proteus morganii, characterization heterogeneity, classes, idiotypes 10225.
probes bacteriorhodopsin cytoplasmic membranes, Halobacterium halobium 101
production, immunoglobulin G, Treponema pallidum, neurosyphilis, serological tests, man 6084.
Pseudomonas aeruginosa, cystic fibrosis, serum, Staphylococcus aureus protein absorption, immunological aspects 4308.
Pseudomonas pseudomallei, detection, indirect fluorescent antibody test, man 3167.
Rickettsia prowazekii, incidence, man, Nepal 2277.
Rickettsia tsutsugamushi, serum, pregnancy, fetuses, man 577.
role, immune response, Streptococcus pneumoniae infection 6918.
role, leukocytes (neutrophilic) stimulation, Neisseria meningitidis infection, association, immunodeficiency, children 3206.
role, Salmonella typhimurium elimination, infection, chickens 5230.
Salmonella enteritidis, assays, passive reverse hemagglutination, gastroenteritis, man 1841.
Salmonella, hemagglutination, antigen O erythrocytes attachment, immunosuppression, aminoglycoside antibiotics, polymyxin B 7921.
Salmonella lipopolysaccharides, preparation, affinity chromatography 10135.
serum assays, Streptococcus, mice, animal models 6072.
serum levels, Actinobacillus actinomycetemcomitans, periodontal diseases, juveniles, adolescents 6915.
serum levels, association, burn infection, man 10197.
serum levels, bacteremia, association, man 8989.
serum levels, Campylobacter fetus subsp.jejuni infection, agglutination, complement fixation, immunofluorescence, comparison, man 8912.
serum levels, counter immunoelectrophoresis, diagnosis, legionnaire's disease, Legionella pneumophila, pneumonia, Mycobacterium pneumoniae, man 6985.
serum levels, Leptospira interrogans, Bubalus bubalis, association, abortion 10219.
serum levels, Staphylococcus aureus, septicemia, man 8979.
serum levels, tuberculosis, man 4285.
serum, Pseudomonas aeruginosa, infection, detection, man 3187.
spermatozoa, incidence, man, leprosy 9011.
Staphylococcus, agglutination, detection, bacteria, Salmonidae kidney diseases 6027.
Staphylococcus aureus α-hemolysins, enzyme immunoassay, milk 499.
Staphylococcus toxins, abdomen, infection, man 558.
Streptococcus, detection, infection diagnosis, man 6261.
Streptococcus group A, detection, streptozyme test reagents composition 4254.
Streptococcus mutans, serum levels, Macaca fascicularis 4291.
Streptococcus polysaccharides, detection, role, diagnosis, Streptococcus infection, man 2201.
treatment, atypical primary pneumonia, man 9099.
Treponema hyodysenteriae, detection, enzyme-linked immunosorbent assay, pig 4301.
Treponema pallidum, fluorescence immunoassays 5190.

ies, (continued)
ulin, immunoglobulin G, detection, enzyme-linked immunosorbent assay, oimmunoassay, man, tuberculosis 3154.
ua enterocolitica, detection, indirect hemagglutination, Widal test 500
nia enterocolitica, levels, man, association, tetracycline prophylaxis 8973.
nia enterocolitica, levels, man, Denmark 529
nia enterocolitica, Yersinia pseudotuberculosis, incidence, man, Finland 36.
ly agglutination,
cterium, Peptostreptococcus, Crohn's disease serum, diagnosis, man 8916
ly response,
tinins, anaerobic bacteria, induction, mice, rats 11618.
ody-coated bacteria, urinary tract infection, urine, man 5217
iation, Haemophilus influenzae type b polysaccharides+proteins complex, onates, rabbits 3195
iation metals workers, Actinomycetes, molds effects on 6067
remia, treatment, man 6902
ria, lipopolysaccharides, idiotypes, antigen-antibody complexes, mice 11625
eroides nodosus vaccination, foot rot, sheep 629
eroides nodosus vaccination, foot rot, sheep 653.
immunotherapy, cancer patients 4280
d groups, Mycoplasma pneumoniae, pneumonia, children 7935
etella bronchiseptica vaccination, dogs 635
letella bronchiseptica vaccination, pigs 625
hamella catarrhalis, role, otitis media, children 3313
ella abortus, vaccination, cattle 7956
ella abortus, Yersinia enterocolitica experimental infection effects on, ttle, juveniles, guinea-pigs 1068
ella, Yersinia enterocolitica, infection, serum levels, man 8954
ellosis, serum levels, man 13050
ipylobacter fetus subsp jejuni infection, outbreaks, man, institutions 3352.
e, immunity (humoral), infection, Haemophilus somnus 8993
amydia trachomatis, immune response (humoral), infants, children, man 8986
stridium tetani, toxoids, activation, enzyme-linked immunosorbent assay, etection 11602
ynebacterium diphtheriae, toxoids, spleen, rabbits, immune RNA, mice 11620.
s-reactivity, antigens, Escherichia coli, Haemophilus influenzae, man 8934.
matophilus congolensis vaccination, cattle 5261.
herichia coli, antigen K, rabbits, use, vaccines 4277
herichia coli, enterotoxins, colonization antigens, rabbits 10228
herichia coli, milk, colostrum, neonates, pigs 5235
herichia coli pyelonephritis, experimental infection, animal models 864
herichia coli vaccination, antigen O, antigen K, mice 659
herichia coli, vaccination, immunity (passive), maternal transfer, pregnancy, uveniles, pigs 5257.
herichia coli vaccination, neonates, man 662
herichia coli vaccination, prophylaxis, pyelonephritis, Escherichia coli, rats 5260.
bacterium rectale, Peptococcus productus, Eubacterium contortum, Crohn's disease, man 9007
t-and-mouth disease virus antigens, Escherichia coli cloning, vaccination, goats 9828
ncisella tularensis, association, Lepus americanus, Alces alces 13039
emophilus equigenitalis contagious equine metritis, experimental infection, horses 584
emophilus influenzae type b polysaccharides+proteins complex, vaccination, man 3243
munoglobulin A, Chlamydia trachomatis, breast milk, colostrum, man 8965
munoglobulin G, association, Clostridium tetani vaccination immunity, man, reviews 4353
munoglobulin G, peptidoglycans, Staphylococcus aureus, infection, man 3199
munoglobulin G, periodontal diseases, man 6917
munoglobulin G, tears, conjunctivitis, Chlamydia psittaci, guinea-pigs 13048
munoglobulin M, immunoglobulin G, Pseudomonas aeruginosa, detection, enzyme-linked immunosorbent assay, horses 4299
munoglobulins, immunoglobulin M, Legionella pneumophila, man 5241.
fection, Babesia bovis, Anaplasma marginale, cattle, juveniles 11578.
egionella pneumophila, immunity, man 7946.
egionnaire's disease, association, kidney transplantation, man, case reports 9101.
eptospira interrogans ser.canicola, Leptospira interrogans ser.icterohaemorrhagiae, experimental infection, dogs 595
ian, Legionella pneumophila infection, serological surveys 7955
ian, pneumonia, Streptococcus pneumoniae infection, immunization, association paraproteinemia 8949.
ian vaccination, Clostridium tetani 6135.
iaternal transfer, immunization (passive), Escherichia coli+rotavirus, juveniles, cattle 9054
licrococcus luteus vaccination, lysozyme antibodies, rabbits 1913.
lycobacterium-intracellulare-scrofulaceum glycoproteins antigens, immunogenicity, rabbits 6890
lycoplasma arthritidis conjunctivitis, animal models 6283.
lycoplasma hyopneumoniae, experimental infection, arthritis, pigs 2210.
nycoplasmosis, Mycoplasma pulmonis, lesions, rats 6104.
olysaccharides effects on, Klebsiella pneumoniae infection, sheep, erythrocytes 11626.
seudomonas aeruginosa infection, proteinase, exotoxin A, cancer patients 3190.
yelonephritis, Escherichia coli, rats 4293.
abbits, osteomyelitis, experimental infection, Staphylococcus aureus 13023.
espiratory syncytial virus vaccination, infection prophylaxis, cattle, juveniles 4350
espiratory tract infection, association, lung ventilation, diagnosis, infants 780.
Salmonella gallinarum vaccination, chickens 6130.
Salmonella typhi antigens, lipopolysaccharides, proteins, serum levels, radioimmunoassay, typhoid fever, man 1854.
Salmonella typhi antigens, lipopolysaccharides, proteins, intestine levels, radioimmunoassay, typhoid fever, man 1855.
salpingitis, experimental infection, animal models 10277.
serum levels, lipopolysaccharides, Haemophilus influenzae, meningitis, man 6911.
Staphylococcus aureus enterotoxin F, toxic shock syndrome clinical isolates, man 10129
Staphylococcus aureus, osteomyelitis, serum levels, electrophoresis, man 11571.
staphylococcus enterotoxins, toxic shock syndrome, man 10113.
Staphylococcus infection, immunoglobulin M serum levels, man 3207.
Streptococcus antigens, man 13018.

Antibody response, (continued)
Streptococcus group A, antigens, immunoglobulin M, immunoglobulin G, characterization 11543.
Streptococcus group A pharynx infection, man 6071.
Streptococcus group B, antigens, sialic acid, role, mice 11629.
Streptococcus group B carriers, pregnancy, man 576.
Streptococcus pneumoniae carriers, nasopharynx, infants, man 3200.
Streptococcus pneumoniae, Haemophilus influenzae, Clostridium tetani, vaccination, Hodgkin's disease, man 650.
Streptococcus pneumoniae polysaccharides vaccination 6933.
Streptococcus pneumoniae polysaccharides vaccination, association, diabetes mellitus, children 9055.
Streptococcus pneumoniae vaccination, geriatrics, institutions 643.
Streptococcus pneumoniae vaccination, Hodgkin's disease, children 645.
Streptococcus pneumoniae vaccination, Hodgkin's disease, head and neck carcinoma, 658.
Streptococcus pneumoniae vaccination, infants, man 641.
Streptococcus pneumoniae vaccination, lung diseases, man 631.
Streptococcus pneumoniae vaccination, man 640.
Streptococcus pneumoniae vaccination, man 654.
Streptococcus pneumoniae vaccination, man 655.
Streptococcus pneumoniae vaccination, measurement, man 638.
Streptococcus pneumoniae vaccination, otitis media, children 649.
Streptococcus pneumoniae vaccination, role, prophylaxis, otitis media, chinchillas 6999.
Streptococcus pneumoniae vaccination, sickle cell disease, man 657.
Streptococcus pneumoniae vaccines, immunocompromised hosts, kidney transplantation, man 11640.
teichoic acid, Staphylococcus infection, man 8984.
thyroiditis, Salmonella enteritidis, man, case reports 5229.
toxic shock syndrome, man 10243.
vaccination, Clostridium tetani toxoids, man 5254.
vaccines, hepatitis B surface antigen, gene expression, Escherichia coli, mammalian cells 9826
vaccines, hepatitis B surface antigen, gene expression, Escherichia coli plasmids, rabbits 9867.
Vibrio anguillarum, Oncorhynchus nerka 564.
Yersinia enterocolitica vaccination, effects on feces clearance Yersinia enterocolitica, mice 10259
Antibody-coated bacteria,
antibody response, urinary tract infection, urine, man 5217.
detection, urine, methodology 8902.
Escherichia coli, detection, bile, rabbits, experimental infection, cholecystitis 8990
Escherichia coli, Proteus mirabilis, immune response, bacteriuria, persistent infection, man, case reports 3378.
Escherichia coli, urinary tract infection, serotyping, man 8927.
immune response (humoral), immunodiagnosis, urinary tract infection, bacteria, man 4302.
immunofluorescence, diagnosis, urinary tract infection, children 855.
prognosis indicators, urinary tract infection, cefaclor treatment, man 10402
relationship, urine, neuropathology, association, antibiotics, man 10400.
Staphylococcus aureus, clinical isolates, serum, man, electron microscopy 3233.
Anticodon loop,
tRNA fMet, role methionyl-tRNA synthetase recognition, Escherichia coli 5722.
tRNA, 5-methylaminomethyl-2-thiouracil residues, role U.V. radiation induction guanosine 3'-diphosphate 5'-diphosphate synthesis, Escherichia coli 3915.
Antifouling agents,
+paints, bacteria colonization, conferences 10824.
+paints, colonization, marine microorganisms, bacteria 10806
Antifungal activity,
algae extracts, marine environment 1772.
alkaloids, antibacterial activity, Ruta graveolens 3075.
ansatrienins, biosynthesis, Streptomyces collinus subsp.collimus 9910.
antibiotic 8006-I 11422.
antibiotics, biosynthesis, Azotobacter chroococcum 9914.
Bacillus subtilis bacillomycin F 7710.
Brevibacterium linens production antifungal agents, food contamination fungi 8158.
candiplanecin 4153.
candiplanecin, biosynthesis, Ampullariella regularis subsp.mannitophila subsp.nov. 4160
essential oils, Vateria indica 5138
irumamycin, Streptomyces subflavus subsp. irumaensis, biosynthesis, characterization 7711
N,-N-dimethyl-1-methyldodecylamine oxide, cytolysis cell membranes 10937.
niphithricin, elaiophylin, nigericin, Streptomyces violaceoniger, biosynthesis, structure 2985.
pigments, Pseudomonas, susceptibility, fungi, characterization 5697.
setamycin, antibacterial activity, biosynthesis, actinomycetes 2984.
Antifungal agents,
antibacterial activity, biosynthesis, Oryza sativa, host-pathogen interactions, Pyricularia oryzae 4207.
Brevibacterium linens production, antifungal activity, food contamination fungi 8158
Antigen (enterobacterial common),
Escherichia coli, Pseudomonas aeruginosa, Salmonella typhi, opsonization, rabbits 3179.
Yersinia enterocolitica, localization 527.
Antigen H,
antigenic characteristics, Pseudomonas anguilliseptica 4257.
Escherichia coli, isolation, urinary tract infection, man 8943
Salmonella, purification, enzyme-linked immunosorbent assay 6875.
Salmonella typhi, clinical isolates, characterization 6886.
Serratia marcescens, antigenic characteristics 6882.
Antigen H7,
effects on, virulence, antigenicity, Escherichia coli 1858
Antigen K,
amino acid sequence, Escherichia coli 3920.
antibodies, salmonellosis diagnosis, man, use 7981.
Escherichia coli, antibody response, rabbits, use, vaccines 4277.
Escherichia coli plasmids, relationship, epidemiology, pigs 9863
Escherichia coli, vaccination, antibody response, mice 659.
structure, function, Escherichia coli 11547.
Vibrio parahaemolyticus, isolation, characterization 8922.
Vibrio parahaemolyticus, serotypes 8284.

Antigen K1,
  effects on, virulence, antigenicity, Escherichia coli 1858.
  Escherichia coli, milk, serum, association, intestinal microflora, intestine, neonates, man 6053.
Antigen K88,
  biosynthesis, plasmid pFM205 mutants, genes deletion 8743.
  Escherichia coli, relationship, raffinose fermentation 8862.
Antigen K99,
  Escherichia coli, purification, characterization 514.
  incidence, Escherichia coli, juveniles, cattle 11445.
  purification, characterization, Escherichia coli 10150.
Antigen L,
  Mycobacterium tuberculosis, isolation, characterization, role, hypersensitivity (delayed), association, BCG sensitization, guinea-pigs 8920.
Antigen NS-4,
  mice cerebellum, expression, localization 8932.
Antigen O,
  agglutination, Serratia marcescens, immunoglobulin G, man, association, antibacterial activity 8995
  antibodies, salmonellosis diagnosis, man, use 7981.
  antigenic characteristics, Pseudomonas anguilliseptica 4257.
  antigenic variants, Escherichia coli, man urinary tract recurrent infection isolates 10146
  association, Serratia marcescens virulence, mice 11552.
  changes, Pseudomonas aeruginosa, phages lysogenization effects on 268.
  effects on proteins receptors, phage T5, fhuA gene, Escherichia coli 2901.
  erythrocytes attachment, Salmonella antibodies hemagglutination, immunosuppression, aminoglycoside antibiotics, polymyxin B 7921.
  Escherichia coli, chemical composition 13015.
  Escherichia coli, isolation, urinary tract infection, man 8943.
  Escherichia coli, vaccination, antibody response, mice 659.
  Klebsiella, antigenic characteristics, polysaccharides relationship, Escherichia coli 6060.
  lipopolysaccharides, immunochemistry, association, N-acetyl-D-glucosamine, Proteus mirabilis 8655.
  Pseudomonas aeruginosa, antigenic characteristics 10162
  Pseudomonas aeruginosa, polysaccharides, carbohydrate composition 10163.
  Pseudomonas aeruginosa, synthesis, vaccination rabbits 7915.
  Salmonella, biosynthesis, use, enzymes 10160.
  Salmonella, purification, enzyme-linked immunosorbent assay 6875.
  Salmonella typhi, association, legionnaire's disease, Legionella pneumophila, immune response, case reports, man, Norway 6907.
  Salmonella typhimurium, experimental infection, immune response, juveniles, cattle 9021
  Serratia marcescens, antigenic characteristics 6882.
  Serratia marcescens, leukocytes phagocytosis, Serratia marcescens effects on 10194.
  skin reaction, Salmonella typhimurium, experimental infection 10175
  typing, use, epidemiology, bacteriuria, Escherichia coli, nosocomial infection, geriatrics 2050
  Vibrio cholerae, effects on gnotobiotics (germfree) rabbits 1825.
Antigen O18,
  effects on, virulence, antigenicity, Escherichia coli 1858.
Antigen t,
  polyoma virus, genes, fusion, Moloney sarcoma virus mos gene, gene expression, Escherichia coli 9824.
Antigen Vi,
  Salmonella typhi, detection, enzyme-linked immunosorbent assay, diagnosis, typhoid fever, man 4249.
Antigen 7,
  Mycobacterium leprae, antigenic determinants, antibodies, characterization, leprosy, man 3240.
Antigen-antibody complexes,
  association, leprosy, characterization, man 10214.
  association, syphilis, leprosy, serum, man 1842.
  bacteria, lipopolysaccharides, antibody response, idiotypes, mice 11625.
  endocarditis, bacteria, diagnosis, man 2324.
  immune response, leprosy, man 3213.
  Klebsiella pneumoniae, obesity, treatment, association, glomerulonephritis, vasculitis, immune complex diseases, man 7942.
  Lactobacillus fermentum, lipoteichoic acids, hypersensitivity (immediate), rabbits 4278.
  levels, syphilis, man 597.
  man, leprosy 10227.
  maternal transfer, Clostridium tetani toxoids vaccination, guinea-pigs 9038.
  role, dysentery, Shigella dysenteriae, clinical aspects, man 544.
  Salmonella gastroenteritis, association, polyarthritis, man, case reports 569.
  serum levels, association, acne, man 6943.
  serum levels, fibrosis, lung, relationship, Thermoactinomyces vulgaris, man 9008.
  serum levels, Pseudomonas aeruginosa, Staphylococcus aureus, cystic fibrosis, man 3232.
  serum levels, relationship, leprosy, man 697.
  serum levels, tuberculosis, man 4285.
  tuberculosis, man 7929.
Antigen-antibody interactions,
  Mycobacterium lepraemurium infection, disease resistance, mice 4305.
  rabbits cold agglutinins Streptococcus group C+cell surface glycoproteins, immunoglobulin G 6113.
Antigenic characteristics,
  Actinomyces viscosus fibrils 516.
  agglutination, Yersinia enterocolitica, clinical isolates, animal isolates 13012.
  antigen O, antigen H, Pseudomonas anguilliseptica 4257.
  antigenic relationship, Spiroplasma citri, Spiroplasma, immunoelectrophoresis 1859.
  association,
  bacteria, serotyping, methodology 9553
  Bacteroides fragilis, culture supernatants 5192.
  Bacteroides fragilis endotoxins 5193.
  Brucella abortus, purification, antigens 4259.
  Brucella canis, cell walls extracts 4264.
  Campylobacter fetus subsp.jejuni, serotyping 12274.
  Chlamydia trachomatis, antigens, specificity, use, monoclonal antibodies 8928.
  Chlamydia trachomatis, infection, man, diagnosis, serological tests 8915.
  Citrobacter koseri 3181.
  Desulfovibrio, cytochrome c3, cross-reactivity 11556.
  Enterobacteriaceae, clinical isolates 7922.
Antigenic characteristics, (continued)
  Escherichia coli, pili, amino acid composition, subunits molecular weight 6499.
  Escherichia coli, pili, hemagglutinins 6885.
  Escherichia coli, pili, pyelonephritis, man 10144.
  Escherichia coli, pyelonephritis, rats 4293.
  glycolipids. Mycobacterium leprae 13011.
  Haemophilus influenzae, polysaccharides, structure, immunostimulation, lymphocytes B, mice 6883.
  Legionella pneumophila, antigens isolation, outer membranes 6048.
  Legionnaire's disease, man, Legionella pneumophila, relationship, Mycoplasma pneumoniae, Chlamydia psittaci 10140.
  Leptospira canicola, role virulence, mice 6884.
  Leptospira serotypes, animal isolates 11597.
  Leptospira, serotypes characterization 13014.
  lipopolysaccharides, Neisseria gonorrhoeae, mutants 6669.
  Moraxella bovis 8945.
  Mycobacterium bovis, immunoelectrophoresis 3171.
  Mycobacterium leprae, conferences 12199.
  Mycobacterium, Mycobacterium habana, serotyping, cultural characteristics 6037.
  Mycoplasma arthritidis, mitogens, specificity, lymphocyte transformation, hosts 6887.
  Neisseria gonorrhoeae, pili, cell walls 3185.
  Neisseria gonorrhoeae, pili, relationship, infection, experimental infection, guinea-pigs 1856.
  Neisseria gonorrhoeae+Neisseria meningitidis lipopolysaccharides, monoclonal antibodies 6056.
  Nocardia, Actinomadura, Nocardiopsis, immunodiffusion, taxonomic significance 1294.
  Pasteurella multocida, serotypes, reviews 4255.
  pili, Neisseria gonorrhoeae, morphology, amino acid composition 1344.
  polysaccharides, antigen O, Klebsiella, Escherichia coli 6060.
  polysaccharides, carbohydrate composition, Eubacterium saburreum 4262.
  polysaccharides, carbohydrate composition, Haemophilus influenzae 4261.
  proteins isolation, ferrichrome iron complex receptors, Escherichia coli outer membranes 11558
  Pseudomonas aeruginosa 10164.
  Pseudomonas aeruginosa, antigen O 10162.
  Pseudomonas anguilliseptica 8926.
  Rhizobium trifolii, incidence, soil, New Zealand 1179.
  ribosomal proteins, Methanobacterium bryantii, bacteria, yeasts, taxonomic significance 1481
  Rickettsia tsutsugamushi, classification, Trombiculidae isolates, Malaysia 1867.
  Salmonella zuerich, polysaccharides 10158.
  Serratia marcescens, antigen H, antigen O 6882.
  sexually-transmitted diseases, serological tests, phospholipids relationship 7907.
  Shigella sonnei, lipopolysaccharides, immunogenicity, animal models 13008.
  Streptococcus mutans, serotypes, morphology, biochemical analysis, cultural characteristics 10896.
  Treponema denticola, antigens, physical properties, chemical analysis 10147.
  Treponema pallidum, ultrastructure, isolation, pleural effusion, man 10157.
  Ureaplasma, isolation, Primates 5202.
  Ureaplasma urealyticum, enzyme-linked immunosorbent assay 7910.
  Vibrio cholerae lipopolysaccharides, monoclonal antibodies agglutination 13007.
  Vibrio cholerae mutants lipopolysaccharides 10075.
  Vibrio cholerae serotypes, Nigeria isolates 1866.
  Yersinia enterocolitica, biotypes, taxonomy 8291.
  Yersinia enterocolitica serotypes, association, infectivity, HeLa cells 4263.
  Yersinia ruckeri, isolation, fish, association redmouth 10152.
Antigenic determinants,
  Clostridium tetani toxoids, receptors lymphocytes T proliferation 7950.
  enterotoxins, antigenic relationship, Vibrio cholerae, Escherichia coli 3126.
  Escherichia coli, gene expression, hemagglutinin, influenza A virus 6720.
  β-D-glucose-1-phosphate, Streptococcus faecalis, characterization 5806.
  influenza virus hemagglutinins, expression, Escherichia coli 1624.
  Lactobacillus casei receptors, phage PL-1, adsorption 12824.
  methanogenic bacteria, identification, characterization 6042.
  Mycobacterium leprae antigen 7, antibodies, characterization, leprosy, man 3240.
  Neisseria gonorrhoeae, protein I, protein III, peptide mapping 9698.
  Neisseria gonorrhoeae survival, association leukocytes (polymorphonuclear) 13005
  Nocardia asteroides, Nocardia caviae, Nocardia brasiensis, cross-reactivity 3174.
  pili, Escherichia coli, proteins, secondary structure 10168.
  polysaccharides, Vibrio parahaemolyticus 5196.
  porins, Escherichia coli, characterization, immunoperoxidase test 3183.
  toxins, Clostridium botulinum, monoclonal antibodies, enzyme-linked immunosorbent assay, neutralization 10067
  Ureaplasma urealyticum, immunofluorescence 3788.
  Yersinia enterocolitica, comparison, Brucella, haptens 13002.
Antigenic properties,
  Corynebacterium vaginale, indirect fluorescent antibody test 520.
  Streptococcus pneumoniae 521.
Antigenic variants,
  Escherichia coli, urinary tract recurrent infection isolates, man, antigen O 10146.
  Neisseria gonorrhoeae pili 8925.
Antigenicity,
  Clostridium perfringens enterotoxins, structure-activity relationships 5159.
  Escherichia coli, antigen O18, antigen K1, antigen H7, plasmid Co1V, effects on 1858.
  Klebsiella pneumoniae ribosomes, mice 620.
  Leptospira interrogans ser.canicola antigens 8930.
  Micrococcus luteus, adenosinetriphosphatase subunits, immunochemistry 5766.
  Mycobacterium bovis, attenuation, strains, guinea-pigs 13047.
  Mycoplasma gallisepticum extracts, use vaccination, chickens 5263.
  Pasteurella multocida potassium thiocyanate extracts 6049.
  Pasteurella multocida ribosomes, mice 621.
  Pasteurella multocida, turkeys 512.
  Pasteurella multocida vaccines 1909.
  Staphylococcus simulans antigens 1869.
  Streptococcus pneumoniae, Klebsiella pneumoniae, ribosomes, antigenicity 6117.
  Streptococcus pneumoniae polysaccharides, vaccines 642.
  vaccines, screening, Corynebacterium diphtheriae, tetanus, pertussis, children 5250.
  Vibrio cholerae, heat inactivation, enzyme-linked immunosorbent assay 10166.
Antigens,
  association, pili formation, hemagglutination, adherence, Escherichia coli 10156.

Antigens, (continued)
bacteria, cell walls, detection, radioimmunoassay, arthritis, rats 10138
bacteria, detection, enzyme-linked immunosorbent assay, radioimmunoassay, counter immunoelectrophoresis 11553
bacteria, immune response, role, skin, Langerhans cells 10190
Bacteroides fragilis, characterization 1864
Bacteroides fragilis, immunofluorescence, characterization 8923
Bacteroides fragilis, lipopolysaccharides, enzyme-linked immunosorbent assay, outer membranes, in vitro 3153
Bacteroides nodosus vaccines, association pili, immunization, sheep, foot rot 10247.
Bacteroides, species specificity, cross-reactivity, detection, use, enzyme-linked immunosorbent assay 8940
Bordetella pertussis, biological properties 526
Brucella abortus, characterization, immune response, cattle 6097
Brucella abortus, liposomes, effects on lymphocytes response, phytohemagglutinin, cattle 605
Brucella canis cell walls, role, colonial characteristics 86
cell surface, Bacteroides fragilis subsp vulgatus, characterization 6044
cell surface, development, Streptococcus group B infection, rabbits 11550
cell surface, mice cerebellum, expression, localization 8932
characterization, Micropolyspora faeni, Thermoactinomyces candidus, synthetic media (culture) 6039
characterization, outer membranes, Micrococcus luteus 12999
Chlamydia, evaluation, complement fixation 509
Chlamydia trachomatis, antigenic characteristics, specificity, use, monoclonal antibodies 8928
Chlamydia trachomatis, Chlamydia psittaci, localization, outer membranes, McCoy cells, cell culture, immunofluorescence 3178
Chlamydia trachomatis, serotypes, proteins, radioactive labelling, electrophoresis, characterization 1478
clostridium, characterization 1861
Clostridium difficile, detection, enzyme immunoassay, feces, man 3157
colonization, association, Escherichia coli, enterotoxins, serotypes 1795
colonization, Escherichia coli, antibody response, rabbits 10228
colonization factor, Escherichia coli, vaccination, diarrhea, animal models 663
colonization factors, Escherichia coli, hydrophobicity, hemagglutination activity, enterotoxins association, comparison 7923
Corynebacterium diphtheriae toxins, phage β^{tox} mutants, detection, enzyme-linked immunosorbent assay, plaque assay 5006
Coxiella burnetii, characterization 6055
Coxiella burnetii, vaccination, immunity (cell-mediated), lysozyme effects on, guinea-pigs 575
cross-reaction, effects on Mycobacterium antibodies, radioimmunoassay, man 8909
cross-reaction, Enterobacteriaceae, Serratia marcescens infection, diagnosis, antibodies detection, man 11592
crown gall tumors cell walls 3661
detection, Gram stain, electron microscopy, xanthogranulomatous pyelonephritis, man 3400
detection, immunoassays, association proteins, Escherichia coli DNA clones 7902
detection, Salmonella typhi, feces isolates association typhoid fever, use, agglutination 12995
diploidy, role, bacteria periodontitis immunopathogenesis, man 11551
Erwinia salicis, detection, enzyme-linked immunosorbent assay, Salix alba leaves 8149
Escherichia coli, biosynthesis, purification, characterization 6054
Escherichia coli cell surface, immunogenicity, rabbits 10200
Escherichia coli, Haemophilus influenzae, cross-reactivity, antibody response, man 8934
Escherichia coli, pili, purification, characterization, enzyme-linked immunosorbent assay 13003.
Escherichia coli, production, synthetic media (culture) 3155
flagella, Pseudomonas aeruginosa, association, animals infection immunity 10177
foot-and-mouth disease virus, cloning Escherichia coli, vaccination, antibody response, goats 9828
fungi, association, leukocytes (mononuclear) proliferation, Mycobacterium antigens immunosuppression, man 7949
glycolipids, hemagglutination, detection, tuberculosis, man 1974
glycoprotein composition, cell membranes, Staphylococcus aureus, mitogenicity, mice, hypersensitivity (delayed) 5219
Haemophilus influenzae, detection, latex agglutination, comparison, immunoelectrophoresis 5183
hemolysis tests, radiometry, Brucella abortus, antibodies, characterization 6029
hepatitis B virus, biosynthesis, Escherichia coli, plasmid pBR322, use, diagnosis 9857
hosts, Mycoplasma incorporation, induction autoimmunity, inflammation 10239
isolation, Leptospira interrogans ser kremastos, acids hydrolysis 10161
Klebsiella, modification, histocompatibility antigen HLA B determinants, role, pathology, man 4324.
Klebsiella pneumoniae, biosynthesis, plasmids, transfer 2930
Legionella, agglutination tests 1865
Legionella pneumophila, heat inactivation, use, diagnosis, infection 8898
Legionella pneumophila, identification, use, immunoferritin electron microscopy, association, Legionnaire's disease, man 9002
Legionella pneumophila, isolation, outer membranes, antigenic characteristics 6048
Legionella pneumophila, localization brain, legionnaire's disease, neurological complications, man 10426
Legionnaires' disease, detection, radioimmunoassay, urine, man 3343
Leptospira, identification, experimental infection guinea-pigs, counter immunoelectrophoresis 6878
Leptospira infection, seroepidemiology, organotropism, dogs 2395
Leptospira interrogans ser canicola, isolation, characterization, antigenicity 8930
Leptospira interrogans ser hardjo, detection, immunoassays 11536
Leptospira lipopolysaccharides, antibodies role immunity, infection, mice 8996
lipopolysaccharides, Leptospira interrogans, monoclonal antibodies, production, characterization 11537.
lipopolysaccharides, proteins, Salmonella typhi, antibody response, serum levels radioimmunoassay, typhoid fever, man 1854
lipopolysaccharides, proteins, Salmonella typhi, antibody response, intestine levels, radioimmunoassay, typhoid fever, man 1855
Micropolyspora faeni, characterization 3175
modulation, Bordetella pertussis 6051
Mycobacterium avium-intracellulare-scrofulaceum, carbohydrate composition 6888
Mycobacterium, characterization, detection, use, monoclonal antibodies, association, tuberculosis 11545

Antigens, (continued)
Mycobacterium leprae, immunological tolerance, leprosy, role, macrophages, man 5222.
Mycobacterium leprae, leprosy, clinical isolates, isolation, characterization, man 8947
Mycobacterium leprae, specificity, characterization 5195
Mycobacterium, pathogenicity, immunity, mice, comparison, man 10211
Mycobacterium serotypes, structure 6036
Mycobacterium, suppressor cells, immune response, rosette formation, tuberculosis, leprosy, man 4315.
Mycobacterium tuberculosis, characterization, reviews 6059
Mycobacterium tuberculosis, immune response, lymphocytes T, cytotoxicity 11627
Mycobacterium tuberculosis, skin tests, hypersensitivity, man 591
Mycobacterium-intracellulare-scrofulaceum, glycoproteins, immunogenicity, antibody response, rabbits 6890
Mycoplasma arthritidis, induction, arthritis, clinical aspects, rabbits 13037
Mycoplasma, detection, agglutination, cells 5184
Mycoplasma gallisepticum, strains, cross-protection, chickens 13004
Mycoplasma pneumoniae, identification, use, electrophoresis 7919.
Mycoplasma pneumoniae, polysaccharides, vaccines, immunity, animal models 10272
Mycoplasma, use vaccines 10269
Mycoplasma-like organisms, characterization, comparison, Mycoplasma gallisepticum, Mycoplasma synoviae 6050
Neisseria gonorrhoeae cell membranes, virulence, antibodies effects on 5198
Neisseria gonorrhoeae, proteins, outer membranes, immunoprecipitation 6889
Neisseria meningitidis, vaccines methodology, vaccination, man, epidemiology 10252.
Pasteurella haemolytica, neuraminidase enzymatic activity 1489.
Pasteurella multocida, isolation 8933
peroxidase, Mycobacterium smegmatis, Mycobacterium leprae, cross-reactivity 3172
pigs, relationship, gnotobiotics 10728.
pili, Escherichia coli, diarrhea, isolates, characterization, infants, man 10145.
polysaccharides, Pseudomonas aeruginosa, characterization 3176.
polysaccharides, Streptococcus group B cell walls, purification, characterization 4258.
production, association, media, Streptococcus group E, growth 8919
prostaglandins regulation lymphocytes proliferation, Mycobacterium leprae, Mycobacterium tuberculosis 6073
protection, characterization, Erysipelothrix rhusiopathiae 13000.
protection, Erysipelothrix rhusiopathiae, detection methodology, identification 11562
protein I, Neisseria gonorrhoeae, serotyping, comparison, agglutination, enzyme-linked immunosorbent assay 8900
Pseudomonas aeruginosa flagella, antisera preparation 3180
Rhodococcus, characterization, immunoelectrophoresis 10142.
Rickettsia typhi, Rickettsia prowazekii, typhus, isolation, enzyme-linked immunosorbent assay, diagnosis 1845
Salmonella enteritidis, antigens presentation, lymphocytes T, γ-interferon production, mice 8981
Salmonella flagella, characterization 11549
Salmonella, treatment, chickens 6126
Salmonella typhimurium, hybrids, Salmonella typhi, vaccines, assays, mice 11632.
Shigella flexneri, serotypes, immunity, mice, guinea-pigs 11624.
Shigella flexneri, vaccination, immunoglobulin A immunological memory, rabbits 6906
Shigella, Salmonella, detection, agglutination, tests, dysentery, salmonellosis, man 1847
Staphylococcus aureus, proteins, characterization 1862.
Staphylococcus simulans, antigenicity 1869
Staphylococcus simulans, isolation, characterization 1868
Streptococcus agalactiae, cell walls, polysaccharides, immunoelectron microscopy 4256
Streptococcus, antibody response, man 13018
Streptococcus, detection, counter immunoelectrophoresis, comparison, Phadebact test 7903
Streptococcus group A, antibody response, immunoglobulin M, immunoglobulin G, characterization 11543
Streptococcus group A, cross-reactivity basement membranes, man, mice 7917
Streptococcus group A, cross-reactivity, skin, tumors, man 524.
Streptococcus group A polysaccharides, purification, chromatography 224
Streptococcus group B, clinical isolates, proteinase, neuraminidase, association, virulence, mice 3182
Streptococcus group B, identification, neonates man, body fluids, latex agglutination 6874
Streptococcus group B, purification, characterization 1863
Streptococcus group B, sialic acid, role, antibody response, mice 11629
Streptococcus group G, role pathogenesis, mastitis, cattle 8109
Streptococcus mutans cell walls, lymphocytes B polyclonal activators, immune response, mice 6114
Streptococcus mutans, proteins, purification, characterization 1860
Streptococcus mutans, purification, immunosorbents, column chromatography, proteins, lipoteichoic acid, competition 510
Streptococcus mutans, serotypes, mitogenicity, lymphocytes B, mice 5199
Streptococcus mutans, vaccination, dental caries, Macaca fascicularis, characterization 6131
Streptococcus mutans, vaccination, prophylaxis, dental caries, monkeys 3254
Streptococcus, oral microflora, immunoglobulin A levels, saliva 573
Streptococcus pneumoniae polysaccharides, immune response, animal models 6912
Streptococcus pneumoniae polysaccharides, immunoglobulin G, immunization (passive), mice 6931
Streptococcus salivarius, cell walls, proteins, purification, function, adherence, characterization 10167
structure, Klebsiella, Streptococcus pneumoniae 7920
synergism, immune response, rabbits, Escherichia coli, enterotoxins 10192
synthetic, carbohydrates association, Salmonella specificity 11544
synthetic, Corynebacterium diphtheriae, vaccines development 10268
Treponema denticola, physical properties, antigenic characteristics, chemical analysis 10147
Treponema, isolation, characterization 5203
Treponema pallidum, experimental infection, immune response, immunoglobulin G, rabbits 1874
Treponema pallidum, identification, association, pathogenesis 11554
Treponema pallidum, purification, precipitatim, immune serum, antibodies 10171
Treponema pallidum, reagin screen test, syphilis diagnosis, man 8904
Treponema, purification, methodology 7904

Antigens, (continued)
- viruses, cloning, bacteria, vaccines development 10829.

Antiglobulin,
- role, glomerulonephritis, endocarditis association, rabbits 1901.

Antiinflammatory agents,
- treatment, man, lung tuberculosis, role, latent infection 11750.

Antileprotic agents,
- Mycobacterium leprae, antibacterial activity, statistical analysis methodology, reviews 8849.

Antileprotic drugs,
- treatment, Mycobacterium leprae infection, effects on glycolysis, animal models 6074.

Antilles,
- Salmonella, isolation, characterization 2535

Antilocarpa american,
- Leptospira interrogans ser.hardjo infection, seroepidemiology, USA, Colorado 8115.

Antimicrobial activity,
- 3-acetyl-4-hydroxy-6-methyl-2H-thiopyran-2-one derivatives, bacteria 8836
- amikacin analogs, gentamicin, eye pathogens 5908
- aminoglycoside antibiotics, reviews 5907.
- ansamycin antibiotics, Nocardia mediterranei 6772.
- antimicrobial agents, assays, characterization 11384.
- antiseptics, skin hygiene, in vivo, in vitro 408.
- 1-aroyl-4H(R)-thiosemicarbazides, 5-pheny-4H(R)-1,2,4-triazolin-3-thiones, hydrazinoaroylthiazoles 8838.
- 2-arylthiobenzimidazole, 2-arylsulphonobenzimidazole, 2,4-dinitro-12(H)-oxo-benzimidazo[2,1-b][1,3]benzothiazine 8841
- Bacillus subtilis bacillomycin F 7710.
- bactobolins antitumor antibiotics, isolation, Pseudomonas 301.
- bactobolins, Pseudomonas 375.
- 3H-1,2-benziodazol-3-ones derivatives 433.
- 2,3-butanedione, bacteria 11462.
- cyanonaphthyridomycin, synthesis 11418
- diazachalcones, 2-pyrazoline derivatives 422.
- 4,7-dihydroxyindole derivatives, bacteria, fungi 11454
- diphenyliodonium chloride, Streptococcus faecalis 3098.
- disinfectants, conferences 10825.
- essential oils, bacteria 7858.
- gilvocarcins, isolation, structure, streptomyces anandii 9983.
- gramicidin S, characterization 7803.
- Humulus, beer brewing, bacteria, fungi 7860.
- josamycin, association, oral administration, eye, serum, tonsil, man 10455.
- leukocytes, bacteria, Candida albicans, povidone-iodine effects on 11580.
- lignin components, antibiotics properties 10041.
- medicinal plants, plant extracts, Surinam, Bacillus subtilis, Staphylococcus aureus, Escherichia coli, Aspergillus niger, Candida albicans 7856.
- Moringa oleifera, Moringa stenopetala, plant extracts, bacteria, fungi 432.
- organochlorine insecticides, reviews 5980
- orthomercaptoazo compounds, gram-negative bacteria, gram-positive bacteria 3091.
- penicillins, reviews 7793.
- phenols antioxidants, fatty acids, reviews 423.
- N-(4-phenyl-3-methyl-2-butenyl)carbnonoxymethylpyperidinium-chloride 12942.
- pyrazoles derivatives, pyrazoles, derivatives, antimicrobial activity, synthesis 7864.
- pyridines, Escherichia coli, Streptococcus thermophilus, Neurospora crassa, Candida utilis 5970.
- S,S'-dialkyldithiomethylene malonodinitriles, structure-activity relationships 5977
- siderochelin, biosynthesis, Nocardia 2975.
- silver nitrate 7862.
- sulfur dioxide, Bacillus, association, wine bottles corks 8837
- synergisidin 1797
- tin, organic compounds, inorganic compounds, Pseudomonas aeruginosa, estuaries isolates 8833
- triazolin-3-thione derivatives, structure-activity relationships, bacteria, fungi 8852
- triorganotin 5-nitro-2-furoates, bacteria 11467.
- vinegar, bacteria, yeasts, molds 425.
- vorlex, linuron, soil microorganisms, actinomycetes 431.
- Zanardinia prototypus, Cystoseira balearica, Lophocladia lallemandii, Laurencia obtusa, Bacillus subtilis, Phoma tracheiphila, tobacco mosaic virus, Sicily 1767.

Antimicrobial agents,
- adsorption, blood culture, bacteremia, diagnosis, man 13302.
- antibacterial activity, Capnocytophaga, sensitivity 308.
- antibacterial activity, Neisseria gonorrhoeae, in vitro 8802
- antibacterial activity, Staphylococcus saprophyticus 9928.
- antibiotic synergism, dose-response effects, models 4466.
- antimicrobial activity, assays, characterization 11384.
- assays, serum bactericidal activity, media (culture), dilution tests, comparison 6778.
- biosynthesis, marine organisms 8817.
- comparison, norfloxacin, urinary tract isolates, antibacterial activity 8821.
- conferences 1249
- dilution tests, micromethods, inoculation, methodology 11379.
- drug resistance, Pseudomonas aeruginosa, Escherichia coli, marine environment 459.
- effects on colonization, digestive tract, mice, Enterobacteriaceae, Streptococcus faecalis 10285.
- effects on, leukocytes (polymorphonuclear), phagocytosis, killing, opsonization, bacteria 10241.
- Legionella pneumophila, media (selective), clinical isolates 1257
- Legionella pneumophila, susceptibility, in vitro 3086.
- microorganisms, drug resistance, computer applications 3077.
- Mycobacterium susceptibility, dilution tests 10053.
- Neisseria gonorrhoeae, variants, susceptibility 10050.
- non-fermentative gram-negative bacteria susceptibility 11387.
- oral administration, effects on oral microflora, bacteria, man, reviews 719.
- prophylaxis, postoperative infection, man, reviews 4518.
- susceptibility, clostridium septicum 8851.
- treatment, urinary tract infection, children 13179.

Antimicrobial resistance,
- nosocomial infection, nosocomial environments, disease control, immunocompromised hosts, bacteria, man, conferences, books 10835

Antimony,
- resistance, plasmid R773, Escherichia coli, adenosinetriphosphatase deficient

Antimony, (continued)
- mutant 12960

Antimycobacterial agents,
- antibacterial activity, Mycobacterium tuberculosis 4205.
- antibiotic DL473, rifampicin, antibacterial activity, in vivo, in vitro 4188.
- treatment, mycobacteriosis, Mycobacterium intracellulare, lung, man 6168.
- treatment, tuberculosis, lung, man 753.

Antinobacillus actinomycetemcomitans,
- suppressor factor, isolation, effects on lymphocytes man, 3216.

Antioxidants,
- antibacterial activity, Clostridium botulinum, growth, toxins biosynthesis 5964.
- effects on Salmonella typhimurium, γ radiation mutation 11468.
- phenols, antimicrobial activity, reviews 423.

Antiport,
- L-lactate+protons, membrane vesicles, Streptococcus cremoris 6503.

Antirrhinum,
- microflora, association leaf rust, infection Erwinia herbicola 13426.

Antiseptics,
- antimicrobial activity, skin hygiene, in vivo, in vitro 408.
- bactericidal activity, Mycobacterium bovis 10029.
- disease control, nosocomial infection, wound infection, surgery, man, reviews 10562.
- man, effects on skin microflora 10027
- treatment, bacteria urinary tract infection, man 11821.

Antisera,
- agglutination, Haemophilus equigenitalis, biochemical analysis, identification, contagious equine metritis, horses 7257.
- +amikacin, treatment, Klebsiella pneumoniae infection, mice 5253.
- antibacterial activity, inhibition, Leptospira TM antigen 8944.
- Corynebacterium sepedonicum, Solanum tuberosum ring rot bacteria cross-reactivity 13447.
- cystic fibrosis, leukocytes (polymorphonuclear), monocytes, phagocytosis, Pseudomonas aeruginosa 13043.
- Escherichia coli antigen O, agglutination inhibition 13015.
- Escherichia coli, role, opsonization, infection immunity 3203.
- immunoglobulins fractions, neutralization, experimental infection, Leptospira interrogans, guinea-pigs 568.
- Klebsiella capsules, lymphocytes cytotoxicity, association, ankylosing spondylitis, man 3204.
- Mycoplasma arthritidis, rabbits, interaction, synovium cells, rats 555.
- Neisseria meningitidis, antibodies, heavy chains, identification, horses, in vitro 4273.
- preparation, Streptococcus group A opacity factor, rabbits 8910.
- production, Neisseria gonorrhoeae lipopolysaccharides, rabbits 12994.
- Pseudomonas aeruginosa flagella antigens, preparation 3180.
- Pseudomonas aeruginosa flagella antigens, production 503.
- rabbits, methanogenic bacteria, antigenic relationship, characterization 6028.
- role, cattle Ureaplasma characterization 5574.
- Streptococcus, extraction, characterization 6026.
- treatment, Streptococcus group A infection, mice 5487.

Antitoxins,
- Clostridium tetani, tetanus, incidence, man, Italy, age, sex, relationship 4309.
- levels, Clostridium tetani, tetanus, man 4317.
- levels, Escherichia coli, vaccination, effects on, serum, pigs 1885.
- serum levels, Clostridium tetani, tetanus, passive hemagglutination, man 4306.
- Vibrio cholerae, immunoglobulin G, enzyme-linked immunosorbent assay, experimental infection, man 1849.

α1-Antitrypsin,
- serum levels, relationship periodontitis, adolescence 11694.

α-1-Antitrypsin,
- levels, gingival fluid, blood, periodontal disease, man 5283.

Antitubercular activity,
- quinazolones derivatives 5135.

Antitubercular agents,
- 2-(4-aminophenyl)thiazoles derivatives, synthesis, tuberculosis, man 6836.
- antibiotic DL 473, antibacterial activity, Mycobacterium tuberculosis, in vitro, in vivo 3036.
- 2-aryloxy thioisonicotinamides, tuberculosis 5975.
- benzimidazoles derivatives, synthesis, tuberculosis, man 6838.
- pyrazinamide, Mycobacterium tuberculosis, clinical isolates, susceptibility, pyrazinamidase, screening 1785.
- thio-sulfonyl benzimidazoles derivatives, synthesis, tuberculosis, man 6839.
- thiocarbanilides, synthesis, tuberculosis 6837.
- treatment, lung tuberculosis, effects on Mycobacterium tuberculosis pathogenicity, man 768.
- treatment, Mycobacterium kansasii infection, animal models 13339.
- treatment, tuberculosis, Mycobacterium tuberculosis, man, reviews 11938.

Antitumor activity,
- antibiotic CC-1065, antitumor agents, biosynthesis, Streptomyces zelensis, characterization 2990.
- antibiotic SF-1739, naphthocyanidine, structure, isolation Streptomyces griseoplanus 11364.
- 4-O-dimethyl-11-deoxydoxorubicin analogs, biosynthesis, Streptomyces peuletius var.aureus 7744.
- Escherichia coli extracts, mice 6682.
- gilvocarcins, isolation, structure, streptomyces anandii 9983.
- immune response, tumors regression, Salmonella minnesota endotoxins, BCG, effects on, guinea-pigs 10109.
- killed Brucella abortus, detoxification 5227.
- macrophages, tumor cells, mice, endotoxins, effects on 1817.
- mice, Corynebacterium parvum, peritoneal exudate cells, transfer 9030.
- mice, cross-protection, immunization, Salmonella enteritidis 9048.
- mitomycin B analogs, synthesis, structure 3084.
- peritoneal exudate cells, immunoregulation, Corynebacterium parvum treatment effects on, gnotobiotics (germfree) 9005.
- rubeomycin, biosynthesis, Actinomadura roseoviolacea var.biwakoensis var.nov. 3004.
- saframycin, Rhodococcus amidophilus, transformation, chemical modification 7737.
- saframycin S, antibiotics, antibacterial activity, gram-positive bacteria 1745.
- Streptococcus pyogenes L form 4729.
- supernatants, hamsters, Leptospira, infectin, cell culture 10500.
- trioxacarcins, biosynthesis, Streptomyces bottropensis 9915.
- xanthomycin, biosynthesis, Streptomyces 4156.

Antitumor agents,
- antibiotic CC-1065, antitumor activity, biosynthesis, Streptomyces zelensis, characterization 2990.

- **Antitumor agents, (continued)**
  - daunorubicin, doxorubicin, toxicity, methodology, biosynthesis, conversion, Streptomyces peucetius 6683
  - mitomycin B analogs, synthesis, structure 3084
  - rifamycin Z, structure, Nocardia mediterranei, biosynthesis 2965
  - Streptomyces arenae biosynthesis, screening 11347
  - vineomycin, Streptomyces matensis subsp vineus, biosynthesis, structure 2958
- **Antitumor antibiotics,**
  - antibiotic DC-14, Streptomyces olivaceus, biosynthesis, isolation 7729
  - auramycins, sulfurmycins, biosynthesis, Streptomyces galilaeus, structure 7743
  - bactobolins, isolation, antimicrobial activity, Pseudomonas 301
  - Escherichia coli screening 3041.
  - senacarcin A, Streptomyces endus subsp aureus biosynthesis, isolation, characterization 11344
- **Antiviral activity,**
  - Virantmycin 2993
- **Antrimycins,**
  - antibacterial activity, Mycobacterium smegmatis, Mycobacterium tuberculosis 7802
  - structure, mass spectroscopy, biosynthesis Streptomyces xanthocidicus 7757
- **Anus,**
  - man, infection, isolation, Ureaplasma urealyticum, Mycoplasma hominis 8007
  - postoperative infection, bacteremia, surgery, man 839.
- **Aorta,**
  - aneurysm, syphilis, man 10439
  - antigens, immune response, etiology, arteritis, man 578
  - association, Whipple's disease, bacteria, pathogenesis, etiology 11773.
  - grafts, infection, diagnosis, leukocytes uptake, man 1000
  - man, postoperative infection, Achromobacter xylosoxidans 5444
  - man, tuberculosis aneurysm, association fistulae, surgery, reviews 6303
  - mycotic aneurysm, infection, clinical aspects, diagnosis, man 2254
  - thorax, Salmonella mycotic aneurysm, man, case reports 5425
- **Aortic valve,**
  - Streptococcus mitis, endocarditis, association, stenosis, diagnosis, echocardiography, man, case reports 3447
  - Streptococcus, Staphylococcus, endocarditis, treatment, surgery, man 3476
  - Streptococcus, Staphylococcus, Escherichia coli, endocarditis, treatment, surgery, man 3478
- **Apanteles glomeratus,**
  - nontarget organisms, toxicity, Bacillus thuringiensis var. kurstaki 9385.
- **Aphanothece nidulans,**
  - growth inhibitors, antibacterial activity, bacteria 10045.
- **Aphodius tasmacniae,**
  - milky disease, bacteria isolation, ultrastructure 5490
- **Aphodius tasmaniae,**
  - milky disease, infectivity 1131
- **API test,**
  - Enterobacteriaceae, identification 4693
  - Enterobacteriaceae, identification 12254
  - gram-negative bacteria, identification, clinical microbiology 5579
  - gram-positive bacteria, identification, clinical microbiology 5578
  - identification, Enterobacteriaceae 1329
  - identification, gram-negative bacteria, biochemical characteristics, blood culture 12256
  - identification, oral microflora 1303
  - identification, Pseudomonas, Actinobacillus, Pasteurella, animals isolates 1296
  - Yersinia enterocolitica, identification, biochemical characteristics, media (isolation), antibiotics 2516
- **API-20 STREP,**
  - evaluation, Streptococcus, clinical isolate characterization 8279
- **Apical apparatus,**
  - Pisum sativum, association, nitrogen fixation 9467
- **Apiculture,**
  - methyl bromide disinfection, Bacillus larvae, Ascophaera apis 11450
- **Apicum graveolens,**
  - Spiroplasma citri infection, enumeration 13438
- **Apis mellifera,**
  - beehives, isolation, Gluconobacter, Acetobacter 12084
  - colonies, American foulbrood, distribution, Bacillus larvae spores 2400
  - milky disease, pathogenesis, Bacillus 9380.
  - pathogens, phages, isolation, morphology, ultrastructure, Bacillus larvae 9855
- **Aplasia,**
  - bone marrow, association, Shigella sonnei septicemia, intestine perforation, man, case reports 8040
- **Apoflavodoxin,**
  - interaction prosthetic groups, N.M.R., Megasphaera elsdenii, Azotobacter vinelandii 3874
- **Appendectomy,**
  - association, postoperative infection, metronidazole prophylaxis, clinical trials, man 6291
  - postoperative infection, anaerobic bacteria, metronidazole prophylaxis, man 10377.
  - postoperative infection, cefamandol antibiotic prophylaxis, man 6309
  - postoperative infection, prophylaxis, metronidazole, man 5365
  - surgery complications, postoperative infection, man, case surveys 10621.
  - wound infection, metronidazole, clinical trials, man 13340
- **Appendicitis,**
  - association, Klebsiella pneumoniae sepsis, man, case reports 7128
  - differential diagnosis, intestine infection, mathematical models, infants, man 831.
  - pathogenesis, role, Bacteroides fragilis, immunological aspects, man 7101
  - postoperative infection, prophylaxis, ampicillin, metronidazole, man 10383
  - postoperative infection, prophylaxis, hydrogen peroxide, topical application, clinical trials, man 3457.
  - presentation, Yersinia infection, man 9268.
- **Appendix,**
  - abscesses, Streptococcus, Escherichia coli, Bacteroides, man, case reports 6310
  - pathology, Whipple's disease, bacteria, man, case reports 3374.
  - surgery, postoperative infection, prophylaxis, antibiotics, man 974
- **Apple chlorotic leafspot virus,**
  - incidence, Prunus avium, Czechoslovakia 1138.
- **Apples,**
  - leaves ultrastructure, Erwinia amylovora infection effects on 6403
- **Applications,**
  - nitrogen, soil, effects on, Sorghum vulgare, protein composition, leaves, grain, nitrate reductase 1221.
- **Apramyan,**
  - treatment, Salmonella typhimurium salmonellosis, cattle, juveniles 5461.
- **Apurinic sites,**
  - DNA breaks, nucleoids, Escherichia coli, mutants, methylmethanesulphonate, effects on 1435.
- **Aquaculture,**
  - Carassius carassius, hibernation, intestinal microflora, Pseudomonas 9329.
  - effluents, microbial pollution, coliforms, indicator species 12186
  - Morone saxatilis, bacteria infection 9342
  - Plecoglossus altivelis, infection, Vibrio, Streptococcus 10653
  - Plecoglossus altivelis, Streptococcus infection, Vibrio infection 6334
- **Aquaria,**
  - Anguilla japanica, Flexibacter columnaris, infection, contamination, feeds 4572
- **Aquatic,**
  - sediments, sulfate-reducing bacteria, iron-reducing bacteria, denitrifying bacteria, acidogenic bacteria, nitrifying bacteria 3742.
- **Aquatic bacteria,**
  - counting methods, DNA fluorochromes 5565
  - membranes, nucleotidase, kinetics 2760.
  - polarization effects on metals adherence 10933
- **Aquatic ecosystems,**
  - microcosms, environmental impact, heavy metals, nutrients, sediments, oxygen consumption 9489
- **Aquatic environment,**
  - anaerobic environments, sulfide, carbon dioxide, measuring techniques 8222.
  - Angiospermae, nitrogen fixation, nitrogen-fixing bacteria, seasonal variations 10801.
  - Aves, wildlife, diseases, etiology, books 7348
  - bacteria, free-living, attachment, effects on phosphorous cycle 6447.
  - bacteria RNA biosynthesis, measuring techniques 1443.
  - bacteria RNA biosynthesis, measuring techniques 1452
  - bacterioplankton, biomass, volume, measuring techniques, computer applications, scanning electron microscopy 3732.
  - Eichornia crassipes, attachment, Vibrio cholerae, role, disease transmission, cholera 4648
  - heterotrophic microorganisms, bacteria, power plants industrial effluents effects on 2486
  - isolates, Aeromonas, Vibrio, antibiotic sensitivity testing 9930.
  - Legionella pneumophila, Legionella bozemanii 6161
  - microorganisms biomass, detritus, measuring techniques, ATP 12159.
  - odors production, role, Streptomyces, environmental effects 12183.
- **Aquatic environments,**
  - bacteria, algae, growth, measurements, RNA biosynthesis, methodology 2657.
  - incidence, Vibrio cholerae, animals, Aves, British Isles 9493
- **Aquatic microorganisms,**
  - biomass composition, community structure, light effects, detritus, estuaries 3734
  - hydrocarbons biodegradation, coastal environments, France 129.
  - identification, data acquisition, computer applications 7389.
  - ordram, transformation 1393
- **Aquatic organisms,**
  - food sources, detritus, nutrient dynamics 12179.
  - heterotrophs, bacteria, adenine nucleotides metabolism 9812
  - heterotrophs, bacteria, glucose levels 9793
- **α-L-Arabinofuranosidase,**
  - purification, characterization, streptomyces 4046.
  - purification, characterization, Streptomyces purpurascens 11200.
- **Arabinogalactan,**
  - metabolism, Bacteroides theatiotaomicron, colon isolates, continuous culture 3858
- **Arabinose,**
  - Escherichia coli, transport, gene mapping, araE gene, araF gene, araG gene 2868.
  - metabolism, pathway, characterization, Azospirillum brasilense 5653.
  - transport, Escherichia coli, mutants, isolation, characterization 265.
- **D-Arabinose,**
  - Escherichia coli, utilization, genetic control 12782
- **L-Arabinose,**
  - transport, operons, regulation, Escherichia coli, characterization, use, phage Mu 8681
- **Arabinose transport,**
  - characterization, Escherichia coli 9593
- **Arabinose-binding protein,**
  - N M.R., Escherichia coli 7525
- **Arachidonic acid,**
  - release, endotoxins Escherichia coli effects on, platelets, man 3147
- **Arachis hypogaea,**
  - cell walls biodegradation, Bacteroides enzymes 7430.
  - chlorosis, effects on, Rhizobium nitrogen fixation 5530.
  - chlorosis, nodulation, nitrogen fixation, Senegal 9445.
  - isolates, Rhizobium, fungicides, antibiotics, effects on, in vitro 3730
  - isolates, Rhizobium, nitrogenase activity 4002
  - nitrogen fixation, nodulation, association, yield 1158.
  - nitrogen fixation, Rhizobium 1180
  - nodulation, nitrogen fixation, Rhizobium, pH effects, inoculum rate effects on 1190
  - Rhizobium nodulation, nitrogen fixation, yield 9478.
  - Rhizobium, quality, γ radiation, steam, sterilization, effects on 2463
- **Arachnia propionica,**
  - vagina infection, relationship intrauterine devices, man 13187.
- **Arachnoiditis,**
  - Mycobacterium tuberculosis, meningitis, complications, diagnosis, clinical aspects, man 3412.
- **Archaebacteria,**
  - RNA polymerase, purification, characterization 9782.
  - tRNA modification 161.
- **Archebacteria,**
  - taxonomy, Thermoproteus tenax, reclassification 7398
- **Arctic,**
  - man, meningitis, prophylaxis, rifampicin, ± minocycline 3410.
- **Arctic Ocean,**
  - abundance, ice, surface microlayers, water column, sediments, bacteria 12162.
- **Arctostaphylos uva-ursi,**
  - witches' broom, etiology, mycoplasma-like organisms 9416.
- **Areca catechua,**
  - rhizosphere, soil microorganisms, manure+fertilizers, effects on 4635.

Arenes,
Methylococcus capsulatus, oxidation 109.
Argas africolumbae,
role, disease transmission, infection, Borrelia anserina, Aegyptianella pullorum, chickens 6356.
Argas persicus,
role, disease transmission, infection, Borrelia anserina, Aegyptianella pullorum, chickens 6356.
Argentina,
man, Salmonellosis, outbreaks, Salmonella serotypes 4526.
Arginine,
Bacillus brevis, effects on gramicidin S biosynthesis 7720.
biosynthesis, resistant mutant bacteria 4833.
catabolism, Lactobacillus buchneri, ornithine carbomyltransferase, enzymatic activity 3951.
effects on, Bacillus brevis, gramicidin S biosynthesis, enzymatic activity 2995.
effects on Streptococcus mutans, acid production, viability, yield 4768.
Halobacterium halobium bacteriorhodopsin, role, protons pumps 4785.
Lactobacillus buchneri metabolism, arginine deiminase 1512.
+ornithine binding protein, gene mapping, Escherichia coli 12809.
regulation, Bacillus brevis gramicidin S biosynthesis, enzymes activity 8784.
residues, role glucose-1-phosphate adenylyltransferase allosteric activation, Escherichia coli 7592.
role active sites, aspartate carbamoyltransferase, ornithine carbamoyltransferase, Escherichia coli 4044.
stimulation, Bacillus brevis, gramicidin S biosynthesis 11367.
transport proteins, argJ gene, P protein interaction, Salmonella typhimurium 2861.
utilization Mycoplasma, characterization, role, arginine aminopeptidase enzymatic activity 2757.
Arginine aminopeptidase,
enzymatic activity, role, characterization, arginine utilization Mycoplasma 2757.
Arginine deiminase,
Lactobacillus buchneri, arginine metabolism 1512.
Arginine transport,
operons, promoters, DNA nucleotide sequence, Salmonella typhimurium 11040.
Argopecten irradians,
digestive system, parasitism, Chlamydia 10730.
Arid zones,
soil, ecological distribution, population dynamics, Zaotobacter 9475.
Arizona,
growth rate, temperature, effects on 8422.
Arizona hinshawii,
intestinal microflora, Cathartes aura 9316.
Arm,
skin microflora, man 11653.
Armadillos,
laboratory animals, Mycobacterium leprae, gnotobiotics (specific pathogen free) 3648.
Armoracia rusticana,
Spiroplasma citri like, infection, morphology, cultural characteristics 1327
Arogenate,
intermediates, association, tyrosine biosynthesis, bacteria, chloridazon biodegradation 11097.
precursors, tyrosine biosynthesis, Flavobacterium devorans 9695.
Arogenate dehydrogenase,
tyrosine biosynthesis, chloridazon biodegradation bacteria 10990.
Aromatic alcohols,
antibacterial activity, Pseudomonas aeruginosa, Staphylococcus aureus 5136.
Aromatic amines,
toxicity testing, DNA fragmentation, mutagenicity, Salmonella typhimurium, carcinogenesis, mice, rats 4094
Aromatic compounds,
acids, oxidation, Pseudomonas aeruginosa, association DDT biodegradation 12391.
biodegradation, books, conferences 12198.
biodegradation, toxicity, Rhodotorula, bacteria 3854.
catabolism, Nocardia erythropolis 12404.
oxidation pathways, DDT biodegradation, Pseudomonas aeruginosa 10996.
production, bacteria, lignin manomers biodegradation 11003.
Pseudomonas, biodegradation role plasmid pWW0, structure 9900.
Aromatics,
Bacillus subtilis, biosynthesis, role, ferrisiderophore reductase, enzymatic activity, characterization 2817.
1-Aroyl-4H(R)-thiosemicarbazides,
antimicrobial activity, bacteria 8838.
Arsenate,
efflux, Staphylococcus aureus, Escherichia coli, plasmids mediated resistance 12961.
resistance, plasmid R773, Escherichia coli, adenosinetriphosphatase deficient mutant 12960.
Arsenic,
oxidation, Pseudomonas arsenitoxidan sp.nov., biochemical characteristics 12372.
Arsenite,
resistance, plasmid R773, Escherichia coli, adenosinetriphosphatase deficient mutant 12960
Arsenopyrite,
oxidation, Thiobacillus ferrooxidans, Thiobacillus thiooxidans 7460.
Artemia salina,
ribosomal protein L12, amino acid sequence, comparison ribosomal proteins Micrococcus luteus 2712.
Arteritis,
etiology, immune response, antigens, Rickettsia, aorta, man 578.
presentation, syphilis, treatment, man, case reports 4451.
Artery,
grafting, postoperative infection, antibiotic prophylaxis, diagnosis, man 3454.
heart, lesions, association, tuberculosis, man, case reports 7202.
synthetic, infants, man, infection, bacteria 11877.
Arthopoda,
vectors, Rickettsia prowazekii experimental infection, Glaucomys volans 1135.
Arthritis,
antibodies maternal transfer failure, horses 1098.
association, acne, man, case reports 9077.
association, brucellosis, histocompatibility antigen HLA, man 1010.
association, Campylobacter fetus subsp.jejuni enteritis, man 819.
association, gout, case reports, man, Streptococcus pneumoniae 943.
association, Mycoplasma agalactiae subsp.bovis, cattle, Germany, Fed. Rep. 5486
Arthritis, (continued)
association, Staphylococcus aureus, Haemophilus, Pseudomonas, Escherichia coli, Serratia, reviews 6305.
association, urinary tract infection, Enterobacter, diagnosis, treatment, infants, man 7183.
association, Yersinia enterocolitica infection, man 7108.
bacteria, cell walls, antigens, detection, radioimmunoassay, rats 10138.
bacteria, diagnosis, antibiotics treatment, man 5390.
bacteria infection, pathology, man 5398.
bacteria, synovial fluid, lactic acid, diagnosis, man 2325.
bacteria, treatment, man 7204.
bacteria, treatment, man, case reports 3527.
bacteria, treatment, pathogenesis, man 7170.
Bacteroides fragilis infection, man, rheumatoid arthritis 13324.
Brucella melitensis, man, case reports 3530.
children, Yersinia enterocolitica infection, Reiter's disease, case reports 5358.
clinical aspects, bacteria, reviews, man 9240.
Clostridium perfringens, children, case reports 956.
diagnosis, radiography, man 5400.
Escherichia coli, Staphylococcus aureus, clinical aspects, man 3518.
gram-negative bacteria, incidence, man, France 4462
Haemophilus influenzae, diagnosis, treatment, man, case reports 3533.
Haemophilus influenzae type b, children, case reports 5399.
Haemophilus parainfluenzae, man, case reports 2311.
histopathology, Mycoplasma, chickens 10701.
histopathology, Mycoplasma, domestic animals 10702.
joint diseases, antibiotic resistance, treatment, pristinamycin, infants, man 999
Kingella kingae, case reports, man 13299.
Kingella kingae, knee, man, case reports 990.
man, association, Mycoplasma pneumoniae infection 10626.
meninges, Neisseria meningitidis, diagnosis, clinical aspects, man 7209.
Mycobacterium fortuitum, case reports, clinical aspects, man 10458.
Mycobacterium tuberculosis, man, case reports 955.
Mycoplasma arthritidis, antigens, induction, clinical aspects, rabbits 13037.
Mycoplasma hyopneumoniae, experimental infection, pigs 2210.
Mycoplasma pulmonis, Corynebacterium parvum effects on, immunomodulation, mice 2192.
Mycoplasma pulmonis, experimental infection, treatment, gentamicin, tobramycin, mice 2396.
Mycoplasma pulmonis, role, pathogenesis, mice 1105.
Neisseria gonorrhoeae, children, case reports 924.
Neisseria gonorrhoeae, diagnosis, pathology, man 3512.
Neisseria gonorrhoeae, diagnosis, treatment, antibiotics, man 925.
+osteomyelitis, Streptococcus pneumoniae, children, case reports 5393.
pathology, computed tomography, man 1005.
Salmonella, etiology, clinical aspects, children 8060.
Salmonella, man, case reports 3491.
Salmonella typhimurium, association, systemic lupus erythematosus, diagnosis, treatment, man, case reports 1008.
septicemia, pathogenesis, juveniles, horses 10675.
Staphylococcus, association, osteomyelitis, knee, man, case reports 3493.
Staphylococcus, association, rheumatoid arthritis, diagnosis, treatment, man, case reports 3496.
Staphylococcus aureus, complications, Hemophilia, man 2312.
Staphylococcus aureus, Haemophilus influenzae, treatment, man, reviews 4528.
Staphylococcus aureus, Streptococcus group B, diagnosis, treatment, infants, children, man 10460.
Staphylococcus aureus, Streptococcus pneumoniae, association, drug abuse, man, case reports 5388.
Staphylococcus aureus, varicella complications, children, case reports 946.
Staphylococcus, complications, inflammation arthritis, man, case reports 3531.
Staphylococcus, sacroiliac, treatment, surgery, man, case reports 3520.
stimulation, Erysipelothrix rhusiopathiae experimental infection, rabbits 13397.
Streptobacillus moniliformis, experimental infection, inflammation, mice 3222.
Streptococcus acidominimus, septicemia, man, case reports 9211.
Streptococcus, etiology, man 12007.
Streptococcus group G, clinical aspects, man, case reports 7215.
treatment, corticosteroids, man, case reports 3529.
Yersinia enterocolitica, antibodies serum levels comparison rheumatoid factor serum levels, rheumatoid arthritis, man 6093.
Yersinia enterocolitica, clinical aspects, man, case surveys, Sweden 4520.
Yersinia enterocolitica, joints, bacteria localization, man, case reports 3495.
Yersinia enterocolitica, Yersinia pseudotuberculosis, agglutinins, levels, diagnosis, man 3522.
Yersinia pseudo-tuberculosis, man, case reports 9222.
Yersinia, Salmonella, association, histocompatibility antigen HLA B27 determinants, man, clinical aspects 7941.
Arthrobacter,
amine oxidase (copper-containing), kinetics 2794.
comparison, Agromyces, Curtobacterium, Brevibacterium, Corynebacterium, Microbacterium, nucleic acids hybridization 12523.
continuous culture, glucose isomerase biosynthesis 197.
exotoxins, pathology, Eisenia fetida andrei, immunity 6066.
heat resistance, milk sterilization 9656.
hormones, effects on Lactuca sativa acid phosphatase activity 8650.
incubation temperature effects on lipid composition, association, growth 7630.
media (isolation) 10854.
media (isolation), methodology 7360.
metamitron biodegradation 8428.
Micrococcus, characterization, taxonomy 6480.
mixed culture, biodegradation, sodium sulfite, sodium lignosulfonate 8397.
+Mycobacterium rhodochrous, mixed culture, biodegradation, n-alkylcycloalkanes 1382.
nitrification, acetylene effects on 12733.
oil biodegradation, USSR rivers 13516.
oligotrophy, reviews 12360.
pathogenicity effects on, Beta vulgaris crop production 13451.
plasmids, relationship, PCB biodegradation 12368.
rhizosphere microorganisms, pathogenicity, Beta vulgaris crops, identification, characterization 6431.
soil isolates, degradation, 3,4,5-trimethoxyphenylacetic acid, 3-ketoglutaric acid 1410.
streptomycin antibiotic resistance, rhizosphere, Bouteloua gracilis, roots, exudates, effects on 2444.
warfarin transformation, stereoselectivity 5652.

Arthrobacter crystallopoietes,
cytochrome d, growth stage, oxygen concentration, effects on 5689
Arthrobacter globiformis,
di-D-fructose dianhydride, biosynthesis 6684
enzymes, purification, characterization 4922.
exo-1,6-α-D-glucosidase, activity, mechanisms 4905.
identification, characterization, nicotine-1'-N-oxide biodegradation 4695.
neuraminidase reaction mechanisms, N-acetyl-α-D-neuraminic acid release 1532.
3-oxosteroid-Δ1-dehydrogenase, localization, cells 12642.
population dynamics, soil, succession 12136.
Arthrobacter luteus,
DNA (cytosine-5-)-methyltransferase, purification, substrate specificity 12506.
Arthrobacter paraffineus,
biosynthesis, surfactants, role, roots attachment 4090
Arthrobacter sialophilus,
neuraminidase, N-acetylneuraminic acid derivatives induction 12606
Arthrobacter simplex,
phytosterol, transformation, androsta 1,4-diene-3,17-dione, characterization 11234.
Arthrobacter ureafaciens,
neuraminidase, enzyme kinetics, N-acetylneuraminic acid, N-glycolloylneuraminic acid 1527.
Arthroplasty,
postoperative infection, Staphylococcus aureus, Propionibacterium acnes, animal models 983
Arthropoda,
blood sucking, transmission, Anaplasma marginale, cattle, reviews 9374.
soil microorganisms, conferences 7349.
Artificial insemination,
Campylobacter fetus subsp.fetus infection, diagnosis, cattle 10682
Aryl-peptidyl amidase,
lactobacillus brevis, Lactobacillus fermenti, purification, characterization 5789
Arylamidase,
characterization, Streptococcus durans 5771
purification, characterization, Flavobacterium meningosepticum 4024
2-Aryloxy thioisonicotinamides,
antitubercular agents, tuberculosis 5975.
Arylsulfatase,
Clostridium, activity, specificity, bile salts 12613.
β-phenetyl alcohol, procaine hydrochloride effects on, Klebsiella aerogenes 4931.
Arylsulphatase,
Mycobacterium, activity, fluorescence tests, role 4-methylumbelliferone 8272.
Pseudomonas, activity, carbon sources effects on 7603.
2-Arylsulphonobenzimidazole,
antimicrobial activity, bacteria, fungi 8841.
2-Arylthiobenzimidazole,
antimicrobial activity, bacteria, fungi 8841
Ascaris suum,
experimental infection, pigs, Salmonellosis, effects on 3577
Ascites cells,
lactate levels, diagnosis, peritonitis, man 13312.
Ascites tumor cells,
association, inflammation inhibition, corynebacterium parvum induction, mice 8971.
Ascophaera apis,
methyl bromide disinfection, apiculture 11450.
Ascorbic acid,
effects on N-nitrosodimethylamine, aminopyrine+nitrite, bacteria mutation, mice 1628.
+hydrogen peroxide, +copper(II), water disinfection, methodology, bacteria 12157.
role, disease resistance, Edwardsiella tarda infection, Ictalurus punctatus 10218.
Aseptic meningitis,
man, association, endocarditis, infection, bacteria 11887
Ash,
soils (volcanic), isolation, bacteria, growth conditions, factors affecting 13515.
Asia,
immigrants, tuberculosis epidemiology 11971.
Mycobacterium tuberculosis, infection, epidemiology, man 13268.
Asparaginase,
biosynthesis, Escherichia coil, catabolite repression, induction, association, cyclic AMP 8622.
biosynthesis, Vibrio succinogenes, chemostats 8605
biosynthesis, Vibrio succinogenes, continuous culture 12648.
chemical modification, Escherichia coli 7549.
Citrobacter, immobilization 206.
immobilization, 2-hydroxy-3-bromopropyldextran, Escherichia coli 2813.
Vibrio succinogenes, immunosuppression, lymphocytes depletion, characterization 7953.
D-Asparaginase,
purification, characterization, Thermus aquaticus 9757.
L-Asparagine,
nitrogen sources, media (culture), Pseudomonas tomato, cultural characteristics 8258.
Asparagine synthetase,
isoenzymes, Klebsiella aerogenes, purification, characterization, regulation 12629.
Asparagine synthetase (glutamine-hydrolysing),
Klebsiella aerogenes, purification, characterization, regulation 12629
Asparate carbomoyltransferase,
Escherichia coli, genes mutation, effects on, catalysis, enzymes assembly, regulation response 12812.
Asparenomycin A,
biosynthesis, Streptomyces tokunonensis sp.nov., Streptomyces argenteolus 5040
Asparenomycins,
antibacterial activity, gram-negative bacteria, gram-positive bacteria 7796.
biosynthesis, Streptomyces tokunonensis sp.nov., Streptomyces argenteolus 7749.
characterization, Streptomyces argenteolus, Streptomyces tokunonensis sp.nov. 7750.
penicillinase inhibition, mechanisms 7752.
structure 7751.
Aspartate aminotransferase,
Escherichia coli, Pseudomonas striata, substrate specificity 12607.
Aspartate aminotransferase, (continued)
Serratia marcescens, role, β-methylnorleucine, biosynthesis, pathway 3918
serum levels, enterotoxins, Escherichia coli, rabbits 10082.
Aspartate ammonia-lyase,
L-aspartic-β-semialdehyde affinity labelling, inactivation, role active sites, Escherichia coli 6639
quaternary structure, Escherichia coli 4939.
subunit structure, Escherichia coli 4027.
Aspartate carbamoyl transferase,
isolation, characterization, Yersinia enterocolitica, Yersinia enterocolitica like bacteria 205.
Aspartate carbamoyltransferase,
crystallization, X-ray diffraction, structure, Escherichia coli 11134.
Escherichia coli, conformation transition, enthalpy, calorimetry 11136.
Escherichia coli mutants, characterization 4863.
Escherichia coli, mutants, isolation, characterization 1586.
Escherichia coli, ultrastructure, crystal structure 12630.
kinetics, Escherichia coli 4059.
phenylglyoxal, chemical modification, inactivation, role arginine active sites, Escherichia coli 4044
N-(phosphonacetyl)-L-aspartic acid binding effects on conformation, allosteric properties, spectroscopy 9739
quaternary structure, N-(phosphonacetyl)-L-aspartate effects on, X-ray diffraction, Escherichia coli 5791.
reaction phenylglyoxal, comparison phenylglyoxal, Escherichia coli 4935.
subunits cross-linking, effects on conformation, Escherichia coli 4909.
subunits interaction, conformation role allosteric properties, use cross-linking, Escherichia coli 4910
subunits interaction, Escherichia coli 4849.
zinc sulfur bonds, X-ray absorption, Escherichia coli 8588.
Aspartate decarboxylase,
biosynthesis, Escherichia coli 12677
Aspartate kinase,
kinetics, regulation, Escherichia coli 4041
L-Aspartate oxidase,
Escherichia coli, quinolate biosynthesis 6631.
reaction mechanisms, quinolinic acid, oxaloacetate biosynthesis, Escherichia coli 5783.
Aspartic acid,
association, liquid culture, Mycobacterium lepraemurium, growth, methodology 12206
biosynthesis, Rhizobium lupini, bacteroids 2820.
L-Aspartic-β-semialdehyde,
aspartate ammonia-lyase affinity labelling, inactivation, role cysteine, active sites, Escherichia coli 6639.
Aspartokinase,
lysine production mutants, Corynebacterium glutamicum, enzymatic activity, characterization 1483.
Aspergilloma,
association, lung tuberculosis, man, case surveys 13136.
Aspergillus,
aspergilloma, association, lung tuberculosis, man, case surveys 13136.
Aspergillus deflectus,
deflectins, activity 3100.
Aspergillus flavus,
aflatoxin B_1, effects on, bacteria, fungi, soil 3683.
Aspergillus nidulans,
glycoproteins, antibiotic synergism, sterigmatocystin, antibacterial activity, Bacillus subtilis 8788
glycoproteins, antibiotic synergism, sterigmatocystin, antibacterial activity, gram-positive bacteria 8789.
rRNA 15S genes, nucleotide sequence 166.
Aspergillus niger,
phosphate, leaching, characterization 12367.
Aspergillus oryzae,
+bacteria, culture, rice, koji 124.
endonuclease S1, substrate specificity 3972.
Aspergillus parasiticus,
growth, aflatoxins biosynthesis, Lactobacillus casei effects on 2422.
Aspiration,
liver abscesses, syringes, treatment, anaerobic bacteria infection, man 8059.
pneumonia, Streptococcus pneumoniae, gram-negative bacilli, geriatrics 758.
syringes, biopsy, diagnosis lung tuberculosis, man 6187
syringes, +craniotomy, treatment, Streptococcus brain abscesses, man, case reports 6241.
Aspirin,
± dipyridamole, treatment, endotoxin shock, baboons 12977.
effects on inflammation, Escherichia coli, rabbits 10203
+Rhodovet powder, enterotoxemia treatment, pigs juveniles 6350.
Assays,
z-acetylpyridine thiosemicarbazones derivatives, antibacterial activity, Mycobacterium, in vitro, kinetics 1775.
S-adenosyl-L-methionine:macrocin O-methyltransferase, Streptomyces fradiae, mutants, tylosin biosynthesis, characterization 2755.
agglutination, diagnosis, Brucella canis, dogs 5189.
agglutination, Leptospira infection, Bothrops, Crotalus durissus terrificus, serological surveys 7252.
Agrobacterium, induction, tumors, Solanum tuberosum 1150.
amber mutant suppressors efficiency, RNA polymerase β subunit genes, Escherichia coli 6687
antimicrobial agents, antimicrobial activity, characterization 11384.
Babesia, Anaplasma centrale, Plasmodium berghei, Trypanosoma lewisi, DNA fluorescence 17.
bacteria cellulase, Congo red staining β-D-glucans 8606.
bacteria, endotoxins, Limulus lysate test, automated methods 1793.
bacteria surface charge, chromatography 4728.
bacteria toxins, conferences 10831
bactericidal activity, antibiotic synergism, detection penicillinase production 11392.
cations, probes, membrane potential, Bacillus subtilis, fluorescence 5617.
chemotaxis, Escherichia coli, chemotactic factors, repellents, methodology 10942.
Chlamydia trachomatis inclusions, genital tract infection, man 10387.
chloramphenicol, clindamycin, metronidazole, Clostridium bifermentans, anaerobic plate method, methodology 2955.
Clostridium botulinum, toxins, botulism, infants, man 3414.
Clostridium difficile toxins, mice, neonates 5148.

Assays, (continued)
Clostridium histolyticum, collagenase 7562.
complement Cl_q binding, Streptococcus pneumoniae, Haemophilus influenzae, Branhamella catarrhalis, otitis media isolates 607.
Corynebacterium insidiosum phytotoxins, wilt, Medicago 7877.
DNA, binding proteins interactive 3752
DNA, gram-negative bacteria, gram-positive bacteria, plasmids, methodology 8740.
endo-1,3-α-D-glucanase 7540.
endotoxins, serum, man, erythrocytes, Limulus polyphemus 3119.
enzymes, identification, Vibrio cholerae, visual perception 3803.
Escherichia coli aminopeptidase P, fluorometry 11167.
Escherichia coli enterotoxins, supernatants, cell-free system, association diethyl ether 7878.
Escherichia coli, frozen food isolates, methodology 1277.
Escherichia coli, Mytilus edulis tissues, digestive tract 3584.
α-glutamyltransferase, Enterobacteriaceae, detection, Shigella sonnei 1500.
haemolysins, diagnosis, Staphylococcus infection, man 7399.
Haemophilus somnus, serum bactericidal activity 5214.
hemagglutination inhibition, Streptomyces lectins, erythrocytes receptors 5201.
hemolysis, detection, Escherichia coli enterotoxins 4226.
immunity, bacteria, pollutants immunosuppression, animal models 13026.
immunity, Mycoplasma pneumoniae, vaccines, challenge, hamsters 10273.
isotopes, antibacterial activity, monocytes, Mycobacterium scrofulaceum 10136.
latex agglutination, Haemophilus paragallinarum, polysaccharides, detection, chickens 6032.
lymphocyte transformation, use, tuberculosis diagnosis, children 587.
methodology, solutes uptake, tetraphenylphosphonium, vesicles, Escherichia coli 7410.
microbiocidal activity, disinfectants aerosols, bacteria adherence webs 11449.
mutagenesis, N-nitrosodimethylamine, in vivo, cell-free system, mice, ethanol, acetone, effects on 1603.
Mycobacterium leprae ATP 1581
Mycobacterium leprae viability, thymidine uptake 4759.
Mycoplasma gallisepticum, detection, chickens 6341.
Neisseria meningitidis endotoxins, Limulus lysate test 12965.
neonates mice, detection, Aeromonas hydrophila enterotoxins 3120.
nitrogen fixation, hydroponics, Glycine max 5536.
nitrogen fixation, use, nitrogen-15, radioisotopes 1171.
passive reverse hemagglutination, Salmonella enteritidis antibodies, gastroenteritis, man 1841.
penicillin-binding protein, cytoplasmic membranes, Rhodopseudomonas sphaeroides 1471.
phosphate, liquid culture, use, Pseudomonas fluorescens var.aureofaciens 10874.
Pseudomonas aeruginosa, deficient mutant, alkaline phosphatase, phospholipase C, phosphates, effects on 1626.
ribonucleoside-diphosphate reductase, Rhizobium meliloti 7552.
rose bengal, characterization, brucellosis diagnosis, cattle 12065.
Salmonella, enterotoxins biosynthesis 4225.
Salmonella typhimurium mutagenesis, suspension culture 1582.
serum agglutination, brucellosis screening, cattle 12064.
serum bactericidal activity, media (culture), dilution tests, comparison, antimicrobial agents 6778.
serum, Streptococcus, antibodies, mice, animal models 6072.
soil microorganisms sulfur, soil 5514.
Staphylococcus aureus coagulase, identification 3781.
Staphylococcus aureus, vagina, nose, man 10284.
Staphylococcus thermonuclease, cheese, methodology 1505.
suspension culture, use Escherichia coli, detection DNA damage, mutagens 2529.
toxins, Bacillus thuringiensis subsp.kurstaki, Bacillus thuringiensis subsp.israelensis, enzyme-linked immunosorbent assay 5150.
vaccines, Salmonella typhimurium, hybrids, Salmonella typhi, antigens, mice 11632.
Assembly,
cell walls, Bacillus subtilis, cell division, ultrastructure, mathematical models 1362.
flagella, Salmonella, flaR gene 2872.
nitrate reductase, Escherichia coli, processing, cell membranes 2798.
protein biosynthesis, spore coats, Bacillus subtilis, spore coats, genetic factors 1476.
reconstitution, ribosomal subunit 50S, Escherichia coli 11065.
RNA polymerase, subunits, Escherichia coli 12585.
subunits proteins, pili, Escherichia coli, characterization 1371.
Assimilation,
amino acids, heterotrophic bacteria, seasonal variations, estuaries 10809
calcium sulfate, selectivity, cystine effects on, Escherichia coli 7473
carbon dioxide, respiration, winter, heterotrophic bacteria, Finland lakes 12182.
carbon, ribulose-1,5-biphosphate carboxylase, Methylococcus capsulatus characterization 5762.
inorganic nitrogen, Nitrobacter agilis, role, glutamate dehydrogenase 12466.
iron, Agrobacterium tumefaciens, crown gall, relationship, virulence, plasmids, Helianthus 2413.
nitrogen, Alnus glutinosa nodules 5521.
sulfur, Escherichia coli 12402.
Association,
β-lactam antibiotics, Pseudomonas aeruginosa, membrane permeability, peptidoglycans, biosynthesis 398.
otitis media, man 2004.
Association factor I,
inhibition, N-formylmethionyl-tRNA binding ribosomes, protein biosynthesis, Bacillus stearothermophilus 9690.
Asthma,
role, Mycoplasma pneumoniae, children 748.
Astragalus crotalariae,
Bacillus isolation, selenium effects on in vitro growth 11006.
Ataxia,
association, bacteria meningitis, children 9176.
Atelectasis,
Streptococcus pneumoniae elimination, lung, animal models 1972.
Ateles geoffroyi,
tuberculosis, association, eye granuloma, pathology 8104.
Atmosphere,
hydrogen, association, Campylobacter fetus subsp.jejuni respiration 12451.
Atmospheric conditions,
oxygen tension, isolation, Campylobacter fetus subsp.jejuni, animals 2512.
Atopy,
man, rule, immunoglobulin E, association, otitis media etiology 10331.
Atopy, (continued)
man, serum bactericidal activity, role, complement alternative pathway 532.
ATP,
abundance, bacteria, Arctic Ocean 12162.
adenylate cyclase regulation, Escherichia coli 12660.
affinity labelling, Escherichia coli adenosinetriphosphatase 1554.
analogs, association, Escherichia coli aminoacyl-tRNA synthetase substrate specificity 5741.
Azotobacter beijerinckii, levels, growth rate, nutrient concentrations, effects on 1411.
bacteria, salt marshes, seasonal variations 1228.
bacteria, synthesis, coupling protons transport, reviews 12287.
binding formyltetrahydrofolate synthetase, conformational analysis, electron microscopy, Clostridium thermoaceticum 11151.
binding ribosephosphate pyrophosphokinase, characterization allosteric properties, Salmonella typhimurium 8559.
biosynthesis, Escherichia coli pLC16-4 plasmid 5018.
biosynthesis, role adenosinetriphosphatase subunits, chromatophores, Rhodospirillum rubrum 6557.
biosynthesis, role, potassium, sodium, gradients, Halobacterium halobium membranes 10946.
chemiluminescence, use, antibiotic sensitivity testing, gentamicin, Enterobacteriaceae 12888.
Coxiella burnetii, biosynthesis, energy charge, pH, carbon sources, effects on 2670.
effects on, Escherichia coli, mutants, phage fd pili complex 1638.
effects on glycerophosphase, Escherichia coli 4857.
Escherichia coli, association, helicase complex, characterization 9711.
HeLa cells, Clostridium difficile cytotoxicity effects on 6021.
hydrolysis, glutamine synthetase, kinetics, Escherichia coli 4903.
hydrolysis, role, recA gene protein mechanisms, Escherichia coli 8485.
inhibition glucosephosphate isomerase activity, cooperativity, Bacillus caldotenax 9767.
inhibition glucosephosphate isomerase, Bacillus caldotenax 11183.
interaction RNA polymerase, N.M.R., Escherichia coli 4825.
levels, estimation, dental plaque, monkeys 5284.
levels, growth, factors affecting 12423.
levels, sulfite, effects on, Lactobacillus malii, Leuconostoc mesenteroides 239.
microorganisms biomass, measuring techniques 12159.
Mycobacterium leprae, assays 1581.
Mycobacterium leprae, purification effects on 8548.
primary production, respiration, winter, heterotrophic bacteria, Finland lakes 12182.
production, Citrobacter freundii continuous culture, fumarate+hydrogen, formate 12454.
Pseudomonas aeruginosa, metabolism, radioactive labelling 4762.
role calcium transport, Bacillus megaterium 2602.
role Corynebacterium diphtheriae toxins binding receptors 10083.
role dnaB gene protein effects on DNA structure, allosteric properties, Escherichia coli 8545.
role mechanisms nitrogenase molybdenum-iron protein, Klebsiella pneumoniae 11145.
role, Mycoplasma pneumoniae adherence, glass 73.
role, proteinase, purification, Escherichia coli 9750.
role, reconstitution, cytochromes, membranes, mutants Escherichia coli 7485.
role, stabilization, dnaB gene proteins activity, Escherichia coli 4845.
spirochaetes, biosynthesis, amino acids fermentation, marine environments 2723.
stimulation DNA polymerase I, Escherichia coli 4916.
synthesis, electron transfer, protonmotive force, coupling mechanisms, reviews, chromatophores, bacteria 9670.
transport, reticulate bodies, elementary bodies, Chlamydia psittaci 6540.
uptake, bacterioplankton, organic compounds, Gulf Stream 2481.
ATP pyrophosphatase,
Citrobacter freundii, thermodynamics, membranes, cytoplasm 2764.
Atrazine,
effects on, Azotobacter activity 8181.
effects on, cellulolytic microorganisms, Azotobacter, soils 8171.
effects on soil properties, nitrogen cycle, crop fields, Zea mays 9455.
Atrium,
fibrillation, association, Chlamydia infection, man, case reports 7165.
Atrophic rhinitis,
Barodetella bronchiseptica, ± Pasteurella multocida, experimental infection, etiology, pigs 10713.
Bordetella bronchiseptica, histopathology, pigs 3585.
etiology, association, detection antibodies, Mycoplasma hyorhinis, Mycoplasma hyopneumoniae, pigs 7229.
pigs, etiology, immune response, Bordetella bronchiseptica 1061.
Atrophy,
eye, association, meningitis, incidence 901.
Attachment,
antigen O, erythrocytes, Salmonella antibodies hemagglutination, immunosuppression, aminoglycoside antibiotics, polymyxin B 7921.
bacteria, aquatic environment, effects on phosphorous cycle 6447.
bacteria, sediments, growth, vertical distribution, coastal waters, USA, New York 10808.
Chlamydia psittaci, L cells, role, surfaces, glycoproteins 2588.
Mycoplasma gallisepticum, erythrocytes, role, membranes, proteins 2620.
Mycoplasma hominis, Mycoplasma orale, embryo fibroblasts, man 8366.
phage λ, Escherichia coli, receptors, lamB gene, gene mapping 2888.
phage λ, Escherichia coli, receptors, role, lamB gene 2887.
phage T5, kinetics, receptors, membranes, Escherichia coli, Triton X-100, effects on 1660.
Pseudomonas fragi, muscle, cattle 9604.
Streptococcus sanguis, surfaces, measurement, continuous culture 3833.
Vibrio cholerae, Eichornia crassipes, aquatic environment, role, disease transmission, cholera 4648.
Attenuation,
Mycobacterium bovis, strains, antigenicity, guinea-pigs 13047.
Attractants,
chemotaxis, Skeletonema costatum, Flavobacterium, Pseudomonas 8161.
Atypical primary pneumonia,
treatment, antibodies, diagnosis, man 9099.
Augmentin,
treatment, bacteria infection, man 11731.
Aulosira,
soil amendments, effects on, nitrogen, phosphorus, availability, flooded soils 2471.

Auramycins,
  Streptomyces galilaeus, biosynthesis, structure 7743
Aureobasidium pullulans,
  lysis, role, soil microorganisms 12153
Aurodox,
  analogs, inhibition, elongation factor Tu, protein biosynthesis, Escherichia coli 3907.
  derivatives, antibacterial activity, elongation factor Tu, Escherichia coli 2718
Auromomycin,
  purification, characterization, Streptomyces macromomyceticus 11342.
Australia,
  Brucella ovis infection, isolation, new records, sheep, case reports 7237
  Campylobacter fetus supsp.jejuni, carriers, diarrhea, epidemiology, Aborigines 7019.
  disease control, immunization, reviews 9056
  Eucalyptus tetrodonta forests, Melaleuca leucadendron swamps, nitrogen fixation 1184.
  gastroenteritis, incidence, children, infants, ethnic groups 2026.
  hospitals, Pseudomonas aeruginosa, antibiotic resistance, drug resistance, plasmids identification 3073.
  Legionella pneumophila, pneumonia, water isolates, water supplies, institutions 3322.
  Leguminosae, nitrogen fixation 1201
  livestock, infestation, disease transmission, pest control, Boophilus microplus 4549.
  man, Brucella abortus brucellosis, outbreaks, abattoirs, Australia 5427
  man, children, enteritis, etiology, Campylobacter, Salmonella, rotavirus 3355
  man, syphilis screening, blood 5352
  neonates, man, listenosis outbreaks 3554
  Phascolarctos cinereus, diseases 1110.
  Pseudomonas solanacearum, biotyping, host range 4711.
  respiratory tract infection, Mycobacterium szulgai, case reports, new records, man 6983
  sheep, meningoencephalitis, Listeria monocytogenes, outbreaks 3590.
  swimming pools, microflora, bacteria, relationship, biocides 2479
  wildlife, leptospira interrogans seroepidemiology 1100
Austria,
  altitude effects on soil microorganisms leaf litter decomposition 10772
  children, Salmonella enteritis, epidemiology, treatment 7020
Autoantibodies,
  levels, characterization, association, salpingitis, Chlamydia trachomatis, man 9152
Autobac test,
  antibiotic sensitivity testing, drug sensitivity testing, automated methods 11388.
  comparison disc diffusion test, antibiotic sensitivity testing gentamicin. Pseudomonas aeruginosa 5909
  Enterobacteriaceae, urine, drug resistance, identification, Micro-ID test 1307
  penicillin antibiotic sensitivity testing, staphylococcus aureus, clinical isolates 4180
Autoimmune hemolytic anemia,
  association, cold agglutinin disease, Mycoplasma infection, man, case reports 5305
  Mycoplasma pneumoniae infection, case reports, man 8958
Autoimmunity,
  Brucella canis infection, spermatozoa agglutination, infertility, dogs 6916
  induction, Mycoplasma, incorporation hosts antigens 10239
  testis, association leprosy, man 11610
Autolysins,
  association β-lactam antibiotics 5921
Autolysis,
  Bacillus subtilis, cell membranes, uncouplers, starvation, ionophores, effects on 93
  Bacillus subtilis, Streptococcus pneumoniae, deficient mutant, effects on, cell walls proteins, permeability 1377
  bacteria, teichoic acid effects on 12695
  cell walls, sucrose induction, production, protoplasts like cells, characterization, Clostridium saccharoperbutylacetonicum 138
  Clostridium acetobutylicum, autolysis, factors affecting 2622
  Clostridium saccharoperbutylacetonicum, protoplasts formation, characterization 6668
  enzymes, role, penicillins antibiotic resistance, Lactobacillus 6826
  Escherichia coli, induction, regulation 12342
  Escherichia coli mutants, characterization 5829
  Streptococcus pneumoniae, lysozyme effects on 8442
Automated methods,
  antibiotic sensitivity testing, blood culture isolates 7767
  antibiotic sensitivity testing, drug sensitivity testing, dilution tests, autobac test, MS-2 system 11388.
  bacteria detection, association electrical impedence, glucose fermentation 10885
  clinical microbiology, books 13536
  drug sensitivity testing, bacteria, technology 6834
  drug sensitivity testing, clinical isolates, comparison, disc-diffusion test 8278
  Enterobacteriaceae, clinical isolates, identification 1305
  gram-negative bacteria, identification, clinical microbiology 5579
  gram-positive bacteria, identification, clinical microbiology 5578
  Limulus lysate test, assays, bacteria, endotoxins 1793
AutoMicrobic test,
  Enterobacteriaceae, clinical isolates identification, man 4702
  Enterobacteriaceae, identification 3786
  identification, Enterobacteriaceae 3801
  identification, non-fermentative gram-negative bacteria, oxidasepositive gram-negative bacteria 2539
  urinary tract pathogens identification, cost-benefit analysis 4696
Autoradiography,
  bacteria, mutants, enzymes, colonial characteristics, methodology 1284
  detection, Acholeplasma laidlawii, Mycoplasma hyorhinis, cell culture 1282
Autotrophic bacteria,
  nitrification, acetylene effects on 12733
Autotrophy,
  hydrogen, phenotypes, transfer, Nocardia opaca. Rhodococcus erythropolis. Corynebacterium hydrocarboclastus 6715.
  metabolism, association, heterotrophy growth, enzymes biosynthesis, Alcaligenes eutrophus 8561
Auxins,
  Arthrobacter, effects on Lactuca sativa acid phosphatase activity 8650
Auxotrophs,
  Caulobacter crescentus, fatty acids, biosynthesis, utilization, composition 12718.
  Escherichia coli, fatty acids, carbon sources effects on growth, phospholipid composition 3856.
  glutamine, Pseudomonas aeruginosa mutants, glutamine synthetase activity, gene mapping 12794.
  histidine, deletion mutant, Escherichia coli 5820.
  Lactobacillus, mutants, amino acids biosynthesis, nutrient requirements, genetic analysis 1477.
  polyamines modulation streptomycin effects on protein biosynthesis, Escherichia coli 3910.
Auxotrophy,
  association, methyladenine, DNA, incidence, Neisseria gonorrhoeae 5705.
  Cytophaga johnsonae mutants, growth, nutrient requirements 1270.
  fatty acids, Escherichia coli, morphogenesis, fatty acids effects on 66.
  Klebsiella pneumoniae, glutamine, nitrogen metabolism, regulation gln gene 9832.
  lysine, relationship alterations plasmid pWB1, restriction endonuclease mapping, Pseudomonas cepacia 5867.
  mutants, Pseudomonas glycinea, virulence 1592.
  Salmonella typhimurium, peptides 116.
  symbiosis, mutants, characterization, genetic analysis, transposon Tn5 mutagenesis, Rhizobium meliloti 6762.
  typing, epidemiology, Neisseria gonorrhoeae, man, Sweden 33.
Avena sativa,
  bacteria population dynamics 1148
  leaves, symptoms, Pseudomonas infection 5502.
Avermectins,
  Streptomyces, anthelminthic agents, insecticides, acaracides, toxicity testing 6006.
Aves,
  agglutination, detection, antibodies, Mycoplasma gallisepticum, Mycoplasma synoviae 12996.
  animal models, foot, experimental infection, Staphylococcus aureus, Sturnus vulgaris 7281.
  Escherichia coli, clinical isolates, antibiotic resistance 8813.
  Escherichia coli isolation, drug resistance, association, R factors 10054.
  incidence, Vibrio cholerae, aquatic environments, British Isles 9493.
  microflora, Campylobacter fetus subsp.jejuni, Salmonella, incidence 12030.
  pasteurellosis, Pasteurella multocida, epidemiology, British Isles 7268.
  psittacosis, antibiotic prophylaxis, chlortetracycline, detection methodology 7806.
  psittacosis, Chlamydia psittaci, transmission, man, clinical aspects 6317.
  wildlife, diseases, etiology, aquatic environment, books 7348
Avian myeloblastosis virus,
  DNA polymerase (RNA-dependent), mRNA poly(A)-containing, cDNA, cloning, Bacillus subtilis 11039
Axilla,
  odors, Micrococcaceae, Propionibacterium, relationship, man 3262.
Azaserine,
  Brevibacterium flavum resistant mutant, L-tryptophan biosynthesis 12566
Azelaic acid,
  Micrococcus, biosynthesis, use, oleic acid 2842.
Azides,
  mutagens, Salmonella typhimurium, biosynthesis, characterization, role, O-acetylserine sulfhydrylase 2816.
4-Azido-2,3,5,6-tetrafluoropyridine,
  cross-linking ribosomal proteins+rRNA 16S, ribosomal subunit 30S, Escherichia coli 6595
4-Azido-3,5-dichloro-2,6-difluoropyridine,
  cross-linking ribosomal proteins+rRNA 16S, ribosomal subunit 30S, Escherichia coli 6595
p-Azidobenzoyl coenzyme A,
  photoaffinity labelling, citrate (pro-3S)-lyase, Klebsiella pneumoniae 11196.
Azidocillin,
  treatment, postoperative infection, bacteria, association, molars ablation, man 10499
  treatment, respiratory tract infection, children 13142.
Azinphos-methyl,
  stimulation, chitin biodegradation, microorganisms, estuaries isolates 8418.
Azlocillin,
  ± aminoglycoside antibiotics, Pseudomonas aeruginosa, respiratory tract infection, cystic fibrosis, man 11714
  antibacterial activity, Escherichia coli, regrowth 12892.
  antibacterial activity, Pseudomonas aeruginosa 6797
  antibacterial activity, Pseudomonas aeruginosa 11396.
  antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 12905.
  antibacterial activity, Pseudomonas aeruginosa, antibiotic synergism aminoglycoside antibiotics 9968.
  ± cefotaxime, ± tobramycin, antibacterial activity, clinical isolates, Pseudomonas aeruginosa, Streptococcus faecalis 7765.
  ± cefotaxime ± amikacin, antibiotic synergism 1704.
  +clavulanic acid, +sulbactam, +N-formimidoyl thienamycin, synergism, antibacterial activity, Pseudomonas aeruginosa 9951.
  comparison, aminoglycoside antibiotics, antibacterial activity, Pseudomonas aeruginosa, strains 8762.
  +gentamicin, treatment Pseudomonas aeruginosa, respiratory tract infection, cystic fibrosis, man 11708.
  infection, penicillins treatment, man 11940.
  +tobramycin treatment, cystic fibrosis, Pseudomonas aeruginosa infection, man 12026
  treatment, Pseudomonas aeruginosa, urinary tract infection, man 11806.
  treatment, urinary tract infection, man 11812
Azo dyes,
  Bacillus, biodegradation 12378.
Azolla,
  soil amendments, effects on, nitrogen, phosphorus, availability, flooded soils 2471
Azomonas macrocytogenes,
  nomenclature, taxonomic revision, characterizaton, association, Azotobacter macrocytogenes 8343.
Azospirillum,
  cysts, formation, characterization, Graminae isolates, USA 3831.
  incidence, Hordeum vulgare, soil, relationship, nitrogenase, enzymatic activity

Azospirillum, (continued)
3720.
media (isolation), Congo red, methodology 12204.
nitrogen fixation, association, carotenoids biosynthesis 1430.
nitrogen fixation, ecological evaluation, herbicides effects on 8203.
nitrogen fixation, soil isolates, Diplachne fusca rhizosphere microorganisms 13502.
population density, rhizosphere, Oryza sativa, hexachlorocyclohexane effects on 1216.
soil microorganisms, association, nitrogenase activity, Egypt 9483.
soil, Oryza sativa roots isolates, nitrogen incorporation, nitrogen fixation 5511.
Azospirillum brasilense,
arabinose metabolism, pathway, characterization 5653.
biosynthesis, bacteriocins 295.
nitrogen fixation, effects on, growth, nitrogen, content, Triticum aestivum, Panicum miliaceum, Sorghum bicolor 3701.
nitrogen fixation, effects on, growth, Sorghum bicolor 5508.
nitrogen fixation, inoculation, effects on, Zea mays, growth 3714.
nitrogen fixation, Setaria italica, relationship, temperature, developmental stages, fertilization 3725.
Azospirillum brasiliensis,
chemotaxis, Gramineae roots exudates 9585.
chemotaxis, Gramineae roots exudates, association, amino acid composition 9586.
Azospirillum brosilenso,
hydrogen dehydrogenase activity 12654.
Azospirillum lipoferum,
biosynthesis, bacteriocins 295.
chemotaxis, Gramineae roots exudates 9585.
chemotaxis, Gramineae roots exudates, association, amino acid composition 9586.
flagella, association, spiral structure, in vitro 3817.
nitrogen fixation, measuring techniques, use, acetylene reduction 10865.
nitrogenase, nitrogen fixation, seasonal variations, Panicum maximum var.trichoglume 7336.
Triticum aestivum, Sorghum nigricans, nitrogenase enzymatic activity 1214.
Azotobacter,
activity, herbicides effects on 8181.
colonization, Gossypium hirsutum rhizosphere, manure soil amendment effects on 5529.
community composition, soil, industrial wastes effects on 7319.
effects on fungi spore germination 13457.
ferredoxin, iron-sulfur centers, X-ray diffraction 8520.
glucose effects on population density 12120.
herbicides, effects on, soils 8171.
incidence, Hordeum vulgare, soil, relationship, nitrogenase, enzymatic activity 3720
keratitis, man, case reports 2228.
lignin biodegradation, association, carbon cycle, reviews 12361.
media (culture) 8261.
media (isolation), benomyl+mancozeb 3.
nitrogen fixation, nickel sulfate stimulation 12730.
nitrogen fixation, Panicim coloratum, nitrogen levels effects on 9429.
nitrogen fixation, soil, sodium pentachlorophenate, effects on 4620.
population density, rhizosphere, Oryza sativa, hexachlorocyclohexane effects on 1216.
soil microorganisms, association, nitrogenase activity, Egypt 9483.
Azotobacter beijerinckii,
AMP, ADP, ATP, levels, growth rate, nutrient concentrations, effects on 1411.
Azotobacter chroococcum,
antibiotics biosynthesis, antifungal activity 9914.
continuous culture, nutrient availability, hydrogen production, nitrogenase 2666.
crops seeds germination, effects on 13496.
inhibition, Hordeum vulgare, germination, growth, calcium peroxide+lime seed treatments effects on 1145.
nitrogen fixation, association phosphates 13485.
1-phenyl-4-amino-5-chloro-piridazone-6, 3-cyclohexyl-5,6-trimethyleneuracil, effects on, growth, oxygen uptake, nitrogenase acitivity, association, bioaccumulation 9640.
role, soil structure stabilization 6421.
seed treatments, crops, roots specificity 13497.
soil isolates, biological properties 12390.
soils (podzolic), factors affecting survival 12149.
Azotobacter macrocytogenes,
association, Azomonas macrocytogenes, taxonomic revision, nomenclature, characterizaton 8343.
Azotobacter vinelandii,
acetylene reduction, nitrogenase activity 12409.
active transport, ammonium, methylammonium, kinetics 2613.
apoflavodoxin interaction prosthetic groups, N.M.R. 3874.
carbon sources, phosphate, effects on, alginic acid, biosynthesis, enzymes 12703.
cytochrome c oxidase, photochemistry, lasers 2753.
cytochrome c oxidase, purification, characterization, membranes 4058.
cytochrome d, ligands effects on, spectroscopy 3875.
epimerase, formation, activity 11214.
ferredoxin characterization, N.M.R. 3931.
ferredoxin, comparison Clostridium pasteurianum 3934.
ferredoxin, structure, fourier analysis 7490.
glutamine synthetase, purification, characterization 7555.
isocitrate dehydrogenase (NADP$^+$), domains structure 4039.
media (culture), alginate production 7.
membrane potential, measurements 4736.
mutants, AMP nucleosidase, purification, characterization 2807.
nitrate reductase, electron transport, characterization 5782.
nitrogen fixation, cultural conditions induction competence 8209.
nitrogen fixation, effects on Oryza sativa growth 2429.
nitrogen fixation, molybdenum deficiency 9651.
nitrogenase, feedback inhibition, ammonium, carbamyl phosphosphate 2808.
nitrogenase genes operons organization, analysis mRNA hybridization cDNA 7664.
nitrogenase iron protein, amino acid sequence, comparison Clostridium pasteurianum, Anabaena, Klebsiella pneumoniae, phylogeny 7534.
nitrogenase, molybdenum-iron protein, magnetic susceptibility, N.M.R. 8518.
nitrogenase, molybdenum-iron protein, X-ray diffraction 9755.
nitrogenase, subunit structure 4899.
nitrogenase subunits, amino acid sequence 5778.
pentachlorophenol effects on nitrogen fixation 6418.
proteins, effects on, Rhizobium nodulation, Glycine max, Vigna unguiculata,
Azotobacter vinelandii, (continued)
Trifolium repens 5528.
secondary metabolism, lipids biosynthesis, encystment 11232.
tungsten resistant mutant, association, nitrogen fixation 12729.
uptake, Saccharomyces cerevisiae protoplasts, ethylene glycol, induction, mechanisms 4619.
Azulan,
treatment, bronchitis, children 3316.
Azurin,
reduction oxidation, pH effects, electron transport, Pseudomonas aeruginosa 1417.

Babesia,
infection, animals, tropical environments, parasitic diseases effects on public health 13369.
Babesia divergens,
detection, blood, babesiosis, cattle 1115.
Babesiosis,
animals, tropical environments, effects on public health 13369.
Babesia divergens, Ehrlichia phagocytophila, detection, blood, cattle 1115.
Baboons,
animal models, bacteria colonization, tongue, relationship, keratinization 5476.
animal models, Escherichia coli septic shock, relationship, vasopressin plasma levels 11962.
endotoxin shock, aspirin, ± dipyridamole, treatment 12977.
Escherichia coli, endotoxin shock, treatment, gentamicin+methylprednisolone 8894.
Bacampicillin,
antibacterial activity, infection treatment, man 12897.
treatment, bronchitis, Haemophilus influenzae, Haemophilus parainfluenzae, man 13125.
treatment bronchitis, man 13120.
treatment, clinical trials infection, urinary tract infection, clinical trials, man 13123.
treatment, Escherichia coli urinary tract infection, man 3384.
treatment, gonorrhea, man 13226.
treatment, Haemophilus influenzae, Streptococcus pneumoniae, bronchitis, man 13119.
treatment, Haemophilus influenzae, Streptococcus pneumoniae, respiratory tract infection, man 13121.
treatment infection, man, conferences 13539.
treatment, pelvis inflammation, man 9248.
treatment, respiratory tract infection, clinical trials, man 10317.
treatment, respiratory tract infection, man 13126.
treatment, sinusitis, man 6995.
treatment, sinusitis, man 13124.
treatment, Streptococcus aureus, skin infection, man 13076.
treatment, Streptococcus, pharyngitis, tonsillitis, man 13122.
treatment, urinary tract infection, man 7052.
treatment, urinary tract infection, man 13186.
Bacateroides ruminicola,
proteolytic, proteolytic enzymes, factors affecting 1540.
Bacillomycin D,
Bacillus subtilis, structure 4163.
Bacillomycin F,
Bacillus subtilis, production, isolation, characterization, antimicrobial activity 7710.
Bacillus,
airborne microorganisms, pathogenicity, role infection, man 13531.
amylase, thermal stability, characterization 12587.
antagonism, Rhizoctonia solani, effects on, Pinus nigra, germination 8159.
antibacterial activity, juncusol 6844.
antimicrobial activity, sulfur dioxide, association, wine bottles corks 8837.
association, granuloma lesions, case reports, cats 10719.
Bacillus subtilis, plasmids, transfer, replication, expression 1671.
biodegradation, azo dyes 12378.
biodegradation, isoniazid, pyridine carboxylic acids 7426.
biodegradation, lubricants hydrocarbons 4744.
biodegradation, tetradecane, characterization 10993.
cell walls, mannosamine, distribution 5803.
chitin biodegradation, Abies alba litter 3729.
clinical aspects, isolation, identification, characterization 10909.
collagenase, biosynthesis, characterization, dental plaque 4906.
endo-1,3-β-D-glucanase, exo-1,4-β-D-glucosidase, wort biodegradation 12602.
exotoxins biosynthesis 1806.
fatty acids, inhibition, penicillinase, high-performance liquid chromatography, screening 2796.
fecal microflora, Branta, Anser 13356.
filamentous microorganisms, immobilization 72.
gastrointestinal tract infection, man, enteritis 9136.
glucose dehydrogenase, alanine dehydrogenase, biosynthesis, sporulation 4860.
gram-negative bacteria, pneumonia, nosocomial infection, prophylaxis, man 7979.
growth, Mars soil minerals+hydrogen peroxide effects on 11009.
heat resistance, milk sterilization 9656.
heat resistance, milk sterilization 9658.
identification, keys, food 1312.
identification, liquid chromatography 3802.
incidence, lakes, USSR 12172.
isolation, β-D-mannosidase 1513.
isolation, Astragalus crotalariae, selenium effects on in vitro growth 11006.
isolation, characterization, pigs manure inoculum, association, starter cultures 10851.
isolation, soil, cytolysis 12115.
lipids biodegradation 12364.
media (enrichment), media (isolation), methodology 7362.
mixed culture, alkanes media, Candida parapsilosis, growth characterization, association, myristic acid 8423.
mixed culture, Candida parapsilosis, growth, alkanes, nutrient sources, characterization 7443.
oral infection, man, antibiotics treatment 10305.
ordram, biodegradation 130.
pathogenicity, mice 11973.
PCB, half-life 8369.
phage Φ3T, phage ρ11, RNA, DNA, homology 1645.
phosphate detection, N.M.R. 4089.

illus, (continued)
hosphate solubilization 12387
hosphate-dissolving bacteria, distribution, sediments 10815
opulation dynamics, Avena sativa 1148
sychrotrophic bacteria, taxonomy, nomenclature 8287
esting cells, amylase biosynthesis, factors affecting 2815.
hizosphere microorganisms, antagonism, Fusarium wilt, Lycopersicon esculentum, Citrullus lanatus 13469.
epticemia, man, case reports 9304
oil isolates, biodegradation xanthan, extracellular polymers 7451.
oil isolates, water isolates, lysogeny, phage typing 12247
pores isolation, heat treatments, soil 12137
+Streptomyces propurpuratus, mixed culture, biosynthesis, pigments 1429.
Streptomyces propurpuratus, mixed culture, pigments production, neopurpuratin, characterization 6563.
axonomy 8311
axonomy, biological properties, soil isolates 12275
emperature effects on growth 4743
cillus acidocaldarius,
growth conditions 12460
cillus akalophilus,
mutants, phenotypes, cytochromes 9819
cillus alcalophilus,
mutants, electron transport, comparison cytochromes 5685
cillus alvei,
alveolysin, interaction cholesterol, sulfhydryl groups chemical modification effects on 11477.
cillus amyloliquefaciens,
α-amylase, amino acid sequence 3961
α-amylase genes, isolation, promoters, N-terminus, nucleotide sequence 4799.
comparison, Bacillus licheniformis, α-amylase, amino acid sequence 5743.
endodeoxyribonuclease BamH1, nucleotide sequence specificity 5739
endodeoxyribonuclease BamH1, nucleotide sequence specificity 5740.
N^{a}-carbobenzoxy-L-pyroglutamyl chloromethyl ketone, inactivation, pyroglutamyl aminopeptidase 3955.
pyroglutamyl aminopeptidase, N-carbobenzoxy-L-pyroglutamyl diazomethyl ketone, affinity labelling inactivation 8581
RNA polymerase, purification, characterization, comparison Bacillus subtilis, Bacillus brevis, Bacillus thuringiensis 6617
acillus aneurinolyticus,
purification, characterization, endodeoxyribonuclease AatII 12591
acillus anthracis,
anthrax, cattle, epidemiology, case reports 10651
anthrax, diagnosis, clinical aspects, case reports, man 13412
anthrax, outbreaks, antibiotics treatment, cattle 12066
anthrax, skin pathology, leather transmission, man 5276
capsules, antibodies detection, enzyme immunoassay, fluorescent antibody test, anthrax, man 12997
identification, pyrolysis products, gas chromatography 12240
identification, spores morphology 5589
man, meningitis, anthrax 13210
phage AP50, lysogeny, electron microscopy 12820
spores distribution, British Isles 9476
strains, growth, toxins production, comparison 468.
toxins, components, characterization, effects on, eukaryotes 7886
toxins, isolation, pathophysiology, Primates, rats, reviews 6861
acillus brevis,
cell walls, envelopes, proteins characterization 12567
cell walls, morphology, proteins secretion, factors affecting 1370
3,4-dihydroxyphenylacetate 2,3-dioxygenase, purification, characterization 4872
flagella, flagellin polymerization, poly(ethylene glycol) induction 12563
glutamine synthetase, purification, characterization 7550
gramicidin, interaction RNA polymerase σ-subunits, Escherichia coli 9681
gramicidin S biosynthesis, arginine effects on 7720.
gramicidin S biosynthesis, arginine stimulation 11367
gramicidin S, biosynthesis, enzymatic activity, arginine, effects on 2995
gramicidin S biosynthesis, enzymes activity, regulation arginine 8784
gramicidin S biosynthesis, interaction, phospholipids 11415
intracellular serine proteinase, association, sporulation, purification, characterization 12672
media (enrichment), media (isolation), methodology 7362
phenylalanine racemase (ATP-hydrolysing), enzymatic activity, mechanisms 3965
poly(A)-containing mRNA, characterization 12547.
RNA, characterization, isolation 1458
RNA, hydrolysis, exonuclease 8511.
RNA polymerase, purification, characterization, comparison Bacillus subtilis, Bacillus amyloliquefaciens, Bacillus thuringiensis 6617
Bacillus caldolyticus,
glutamine synthetase, regulation, inhibition kinetics 4019
Bacillus caldotenax,
continuous culture, temperature, effects on, growth 11021
glucosephosphate isomerase, ATP inhibition 11183
glucosephosphate isomerase, ATP inhibition activity, cooperativity 9767
Bacillus capillus,
sp.nov., biochemical characteristics 9564
Bacillus centrosporus,
endodeoxyribonuclease BcnI, characterization 8593.
Bacillus cereus,
allergic alveolitis, occupational exposure, man 5242.
anions inhibition phospholipase C, reconstitution erythrocytes ghosts 11163
antibacterial activity, butylated hydroxyanisole, food preservatives 7849
antibacterial activity, cefodizime 6809
antibacterial activity, fosfomycin, effects on structure 8791
antibacterial activity, peroxidase 5137
biosynthesis, penicillinase, role, membrane structure, temperature, effects on 4054
clinical isolates, penicillinase, effects on β-lactam antibiotics derivatives, stability 5920.
cysts, resistance, U.V radiation, heat, alcohols 11473
detection, blood culture, BACTEC test 3796.
essential oils, antimicrobial activity 7858.
experimental infection, Carcinus maenas, nephrocytes, role, defense mechanisms, phagocytosis 2401.
fatty acids polymerization 12724.
food poisoning, man, outbreaks 10361.
growth, continuous culture 1388.
Bacillus cereus, (continued)
growth, metabolism, physiology 12411.
identification, liquid chromatography 3802.
identification, spores morphology 5589.
infection, man 11923.
iron uptake, relationship, aconitate hydratase activity 4766.
isolation, fetuses, abortion, association, horses 6338.
mastitis, diagnosis, cattle 3641
meningitis, postoperative infection, brain surgery, man, case reports 884
meningoencephalitis, pathology, neonates, man, case reports 4442.
nosozomial infection, neonates, necrotizing enterocolitis, man 7992.
oligo-1,6-glucosidase, proteolysis susceptibility, comparison Bacillus thermoglucosidius 9765
oligo-1,6-glucosidase, purification, characterization 7567.
oligo-1,6-glucosidase, structure, proteolysis, comparison Bacillus thermoglucosidius 11187.
oxytetracycline, in vitro serum antibacterial activity, tetracycline comparison 7807.
pathogenicity, immune response, hemolymph, Galleria mellonella 7948.
penicillinase characterization, Escherichia coli 12673.
penicillinase, chemical modification, tyrosine residues 7541.
penicillinase, enzyme kinetics, inhibitors, antibiotic CP-45,899, cephamycins, izumenolide 2795.
penicillinase, inhibition, clavulanic acid, antibiotic PS-5, enzyme kinetics 2780.
penicillinase, kinetics 1535.
penicillinase, kinetics, gelatin effects on 7599.
phages, induction, sporulation 5003
phospholipase activity, meat, glucose broth 4223.
phospholipase C, effects on sphingomyelin hydrolysis 12652.
proteins characterization, comparison, biological control, Manduca sexta, Aedes aegypti 5729.
proteolytic enzymes, clinical isolates 12644.
quercitin transformation 3846.
radioresistance, beef sterilization 5146.
sphingomyelin phosphodiesterase, kinetics, purification 9756.
spore coats, proteinase, isolation, characterization 4021.
spore germination, albumen, inhibition, vegetative cells, growth 9619.
spore germination, role hexosaminidase 9731.
spore germination, sorbate effects on 4215.
spore outgrowth, inhibition, nitrosothiols, mechanisms 2631.
spores, exudates, proteins, enhancement, bacteriostasis, S-nitrosomercaptoethanol 2741.
spores formation 11022.
spores germination, phenylglyoxal effects on 8831
spores, 1-oxide, 1-dodecylpiperidine, N, N'-bis(dodecydimethyl)-1,2-ethane diammonium dibromide, effects on 8461.
thidiazuron biodegradation 9612.
toxins, characterization, reviews 1802.
toxins, pathology, Insecta 8883
transduction, Bacillus thuringiensis subsp.berliner, phage CP-54Ber, phage CP-54, frequency, characterization 1647.
Bacillus circulans,
butirosin production, plasmid pIP850, aminoglycoside 3'-phosphotransferase genes 8727.
effects on, rhizosphere soil phosphorus levels, Oryza sativa phosphorus uptake 13498
endo-14-β-D-xylanase, exo-1,4-β-D-xylosidase, purification, characterization 11169
enzymes, cytolysis, yeasts, bacteria 12593.
innoculation effects on growth, phosphorus uptake, Eleusine coracana 9453.
media (enrichment), media (isolation), methodology 7362.
plasmid pIP850, characterization, mapping aminoglycoside 3'-phosphotransferase genes 11329.
rhizosphere soil, effects on phosphorus levels 13495.
Bacillus coagulans,
glyceraldehyde-phosphate dehydrogenase, X-ray crystallography 8571.
media (enrichment), media (isolation), methodology 7362.
metabolism, detergents phosphate 3844.
spores, electron probe analysis, elements distribution 87.
Bacillus firmus,
rhizosphere soil, effects on phosphorus levels 13495
Bacillus fragilis,
antibacterial activity, cefotaxime 1724.
antibacterial activity, cefotaxime 2060.
genital tract infection, treatment, cefotaxime, females, man 2099.
serotyping, use, fluorescent antibody test 1298
Bacillus globigii,
DNA-binding protein, purification, characterization, comparison Escherichia coli 9722
endodeoxyribonuclease BglII, purification, characterization 3968.
Bacillus lacterosporus,
media (enrichment), media (isolation), methodology 7362.
Bacillus larvae,
methyl bromide disinfection, apiculture 11450.
phages, isolation, morphology, ultrastructure, Apis mellifera 9855
spores, distribution, Apis mellifera colonies, American foulbrood 2400
Bacillus laterosporus,
pH effects on deoxyribonuclease 11185
proteolytic enzymes, clinical isolates 12644
Bacillus lichenformis,
protoplasts formation, protoplasts, Bacillus lichenformis, formation 12310.
Bacillus licheniformis,
alkaline phosphatase, purification, magnesium, detergents, characterization 6620
α-amylase, amino acid sequence, comparison, Bacillus amyloliquefaciens, Bacillus subtilis 5743
antibacterial activity, sugars derivatives, 4-nitrophenylhydrazones, N-4-nitrophenylhydrozones, isonicotinoylhydrazones 8847
Bacillus licheniformis sporulation genes, pBD64 plasmid 264
bacitracin, biosynthesis, amino acids, effects on 8396
bacitracin synthetase subunits, characterization 2752.
effects on Clostridium botulinum metabolism, association, tomatos, canned food 9424
L-glutaminase, enzymatic activity, glutamine induction, glucose inhibition 186.
glutamine synthetase, activity, characterization, nitrogen sources, effects on 1516

Bacillus licheniformis, (continued)
- glutamine synthetase, enzymatic activity, biosynthesis, phosphorylribosyl pyrophosphate effects on, factors affecting 201.
- glycine effects on enzymes activity 8613.
- growth, bacitracin, proteinase, biosynthesis, sporulation, carbon sources, effects on 1409.
- liposomes+penicillins, antibacterial activity 5925.
- media (enrichment), media (isolation), methodology 7362.
- membranes association penicillinase, isolation, characterization 1536.
- membranes, penicillinase, labelling, fragments, lipoproteins 1551.
- metabolism, detergents phosphate 3844.
- mushroom worker's lung, etiology, immunoprecipitation, relationship, composts, dust 1973.
- mutants, lysine biosynthesis 2730.
- penicillinase characterization 12673
- penicillinase genes, nucleotide sequence 4798.
- penP gene, penI gene, plasmid pMB9, cloning, Escherichia coli, Bacillus subtilis 1604.
- penP gene promoters regions, nucleotide sequence, RNA polymerase interaction 7666
- phages, isolation, morphology, characterization 9854.
- phosphatidylserine synthase, biosynthesis, characterization 1523
- spores ultrastructure, pasteurization effects on 4724.
- sugars osazones, antibacterial activity 10044.
- teichuronic acids biosynthesis, reviews 4076.

Bacillus macerans,
- endo-1,3-β-D-glucanase, exo-1,4-β-D-glucosidase, wort biodegradation 12602.

Bacillus megaterium,
- aflatoxin B1 toxicity, thymine, cytosine, orotic acid, effects on 4208.
- alkane 1-monooxygenase, hydroxystearates competition inhibition, characterization active sites 6656.
- antibacterial activity, butylated hydroxyanisole, food preservatives 7849.
- antibacterial activity, chlorhexidine diacetate, effects on cell membranes 10039
- antibacterial activity, extracts, Chlorophyceae, Rhodophyceae 5141.
- ± Aspergillus oryzae, culture, rice, koji 124.
- calcium transport, role ATP, membrane potential 2602.
- comparison, Candida utilis, electropotential, mobility, electrophoresis 12300.
- comparison, Salmonella typhimurium, aflatoxin B1, metabolites, induction, prophages, lysogeny 8714.
- Corchorus capsularis phyllosphere, Colletorichum corchori 9425.
- culture conditions, relationship, immunomodulation, mice 549.
- cytochrome P-450, role, fatty acids hydroxylation, +oxidation 4788.
- effects on Crassostrea virginica blood cells chemotactic response 2403.
- exotoxins, pathology, Eisenia fetida andrei, immunity 6066.
- glycoproteins, lipoproteins, chemotactic factors, hemocytes, Crassostrea virginica 8634.
- immobilization, role, growth synchronization 2651.
- β-lactam antibiotics, antibacterial activity, structure-activity relationships 322.
- lignin biodegradation, association, carbon cycle, reviews 12361.
- penicillin amidase, kinetics, mechanisms, mathematical models 4893.
- penicillin-binding protein, interaction, β-lactam antibiotics 11126.
- poly-β-hydroxybutyrate, fluorescence staining, blue stain 8275.
- potein biosynthesis, growth stage effects on 8549.
- prophages, aflatoxin B_1 induction 1635
- protoplasts, membranes lysis, polyene antibiotics 10940.
- solubilization, biodegradation, phosphates 7445.
- spore coats, electrical properties, effects on germination 8453.
- spore germination, cations levels, pH effects 1369.
- spores, E.S.R., mangagese 8353.
- spores, calcium, phosphorus, localization 5607.
- spores, cortex hydrolysis role spore germination 8352.
- spores, extracts characterization 5608
- spores, mercury, cadmium, association, spore coats 5625.
- spores, oxygen levels effects on radiosensitivity 12447.
- spores, viability, heat resistance, ethidium bromide, acriflavin, daunomycin, effects on 3093.
- sporulation, calcium, transport, membrane potential 2619.
- sporulation, teichoic acids, lipids, metabolism 11241.
- steroid 15β-monooxygenase ferredoxin, purification, characterization 8569.
- thidiazuron biodegradation 9612

Bacillus melaninogenicus,
- cervical microflora, children 9070.
- isolation, periodontitis, Macaca fascicularis 2364

Bacillus mesentericus,
- biosynthesis proteinase inhibitors 8625.
- extracellular enzymes, isoelectric focusing 12574.
- growth, Mars soil minerals, +hydrogen peroxide effects on 11009.
- proteinase, purification, characterization 12575.
- proteolytic enzymes, clinical isolates 12644
- proteolytic enzymes, purification, characterization 12597.
- RNA biosynthesis, yield, aeration effects on 8448.

Bacillus mesentricus,
- RNA biosynthesis, characterization 6594.

Bacillus mycoides,
- Cladophora antibiotics, antibacterial activity 429.
- metabolism, detergents phosphate 3844.

Bacillus natto,
- alanine dehydrogenase, modification, 2,4,6-Trinitrobenzene sulfonic acid 2758.

Bacillus niger var.niger,
- toxigenicity, storage effects on 12966.

Bacillus piliformis,
- infection, Tyzzer's disease, spinal cord, pathology, rats 3574.
- Tyzzer's disease, immunodiagnosis, complement fixation, laboratory animals, rats 3575.
- Tyzzer's disease, storage effects, in vivo passage effects on, virulence 515.

Bacillus polymyxa,
- growth, polymyxins, biosynthesis, electron microscopy 12873.
- media (enrichment), media (isolation), methodology 7362.
- phosphorus solubilization, characterization 4960.
- polysaccharides production, carbohydrate composition 9794.
- solubilization, biodegradation, phosphates 7445.

Bacillus popilliae,
- antibiotic resistance, neomycin, kanamycin, detection, mutation frequency 4113.
- glucose utilization, oxygen effects on 10980

Bacillus popilliae, (continued)
- use, biological control, Insecta 12087.

Bacillus pulvifaciens,
- media (enrichment), media (isolation), methodology 7362.
- solubilization, biodegradation, phosphates 7445.

Bacillus pumilus,
- antibacterial activity, compound AI-77 12945.
- association, clindamycin induction enterocolitis, pathology, animal models 13181.
- isolation radioresistance bacteria, textiles 5978.
- media (enrichment), media (isolation), methodology 7362.
- phage typing 9547.
- spores, radiation sensitivity, alcohols, paraffins, effects on 3090.

Bacillus sphaericus,
- D-alanine aminotransferase inhibitors 8608.
- biological control, Aedes stimulans, instars, temperature effects on 3655.
- biotin biosynthesis, enzymes, characterization 4851.
- cell wall, structure, proteins, growth 8383.
- diaminopimelate decarboxylase, purification, characterization 3993.
- larvicides compounds activity, Culex fatigans, Anopheles subpictus, temperature effects on 4240.
- ornithine-oxo-acid aminotransferase, characterization 1494.
- ornithine-oxo-acid aminotransferase, stereospecificity, mechanisms 8590.
- pathogenicity, mice, rats, rabbits 2368.
- spore germination, ultrastructure 8358.
- spores, U.V. radiation radioresistance, association, protein A, protein B 6849.
- spores, toxins, purification 11487.

Bacillus stearothermophilus,
- adenosinetriphosphatase, purification, characterization, temperature effects on 6652.
- amino acid sequence, active sites, dihydrolipoamide reductase (NAD+) 9743.
- association, Candida parapsilosis, metabolites biosynthesis, mixed culture, alkanes media 8435.
- association factor I, inhibition, N-formylmethionyl-tRNA binding ribosomes, protein biosynthesis 9690.
- elongation factor Tu, active sites structure, interaction GDP analogs complex magnesium, N.M.R., E.S.R. 11084.
- elongation factor Tu proteins, binding, magnesium ions, manganese ions 4829.
- ferredoxin, iron-sulfur centers characterization, Mossbauer spectroscopy 11115.
- formaldehyde, microbiocidal activity 10024.
- glutamate synthase (NADH), purification, characterization 11175.
- lactate dehydrogenase, crystallization 3999.
- penicillin-binding protein, purification, characterization, affinity chromatography 2777.
- 6-phosphofructokinase, mechanisms 1549.
- phosphogluconate dehydrogenase, interaction Cibacron blue 3G-A 11164.
- proteinase, isolation, purification, methodology 11165.
- pyruvate dehydrogenase (lipoamide), dimethyl glutarimidate cross-linking, quaternary structure 12614.
- pyruvate dehydrogenase (lipoamide) multienzyme complexes, chymotrypsin proteolysis, N.M.R. 11168.
- pyruvate dehydrogenase multienzyme complexes reconstitution 11188.
- ribosomal protein B-L8 ribosomal protein B-L13 complex, purification, crystallization 4818.
- ribosomal protein BL10, amino acid sequence, secondary structure, ribosomal subunit 50S 4817.
- ribosomal proteins, comparison, Escherichia coli, immunochemistry 4826.
- ribosomal proteins, crystallization 3905.
- ribosomal subunit 50S, role ribosomal proteins protein biosynthesis 4809.
- rRNA 5S, binding ribosomal protein L18, ribosomal protein L25 6581.
- spores, heat resistance, bioassays sterilization 7414.
- spores, sterilization indicators, relative humidity, storage effects on 9527.
- spores, temperature tolerance, computer applications 4718.
- superoxide dismutase, kinetics 183.
- transformation, plasmids DNA 5866.
- tryptophanyl-tRNA synthetase interactions Brown MX-5BR dyes, inhibition kinetics 11179.
- tyrosyl-tRNA synthetase genes cloning 11260.
- utilization, Candida parapsilosis myristic acid, mixed culture 7441.

Bacillus subtilis,
- Agaricales antibacterial activity, Pinus radiata association 7859.
- alanine dehydrogenase, kinetics 1506.
- alanine dehydrogenase, mechanisms 1520.
- alkaline protease, hydrolysis, esters 4873.
- allergic alveolitis, occupational exposure, man 5242.
- Amblyosporium spongiosum antibiotic 8006-I antibacterial activity 7812.
- amidophosphoribosyltransferase, purification, characterization 1510.
- amidophosphoribosyltransferase reaction oxygen, regulation ligands 1507.
- α-amylase, cloning, phage ρ11, role 5824.
- antibacterial activity, antibiotic 8006-I 11422.
- antibacterial activity, butylated hydroxyanisole, food preservatives 7849.
- antibacterial activity, chromomycin A_3+amphotericin B, in vitro 1740.
- antibacterial activity, fatty acids, structure-activity relationships 10048.
- antibacterial activity in vitro, N-chloramine compounds, comparison chlorhexidine 5961.
- antibacterial activity, juncusol 6844.
- antibacterial activity, phytoalexins, Glycine max, characterization 3102.
- antibacterial activity, Septopan, disinfectants 409.
- antibiotic resistance, sulfanilamide, recombinants plasmids, plasmid pKO101 5873.
- antibiotic resistance, tetracycline, in vitro 381.
- antimicrobial activity, plant extracts, medicinal plants, Surinam 7856.
- arginine biosynthesis, arginine resistant mutant bacteria 4833.
- Aspergillus nidulans glycoproteins, antibiotic synergism, sterigmatocystin, antibacterial activity 8788.
- ± Aspergillus oryzae, culture, rice, koji 124.
- autolysis, cell membranes, uncouplers, starvation, ionophores, effects on 93.
- autolysis, teichoic acid effects on 12695.
- bacillomycin D structure 4163.
- bacillomycin F production, isolation, characterization, antimicrobial activity 7710.
- α^4-O-benzoyl-pyridoxine, α^5-O-benzoyl-pyridoxine, antibacterial activity 451.
- bioassays, ceftazidime, antibacterial activity 5093.
- biodegradation, hexamethylene diamine 108.
- Brucella abortus extracts bactericidal activity 7884.
- casein hydrolysis, role proteinase 12569.
- cations transport effects on dicarboxylic acids transport 1422.

Bacillus subtilis, (continued)
cell division, cell walls, assembly, ultrastructure, mathematical models 1362
cell walls, subunits identification, segregation analysis 5635
cell walls+teichoic acids, linkage, lipids precursors, isolation, characterization 1569
cell-free system, translation mRNA, phage Φ29 5708
chemotaxis, amino acids effects on proteins methylation 8385.
chloramphenicol resistance, gene expression, role, transposon Tn9 8811
chloropentaammineosmium(III) chloride, binding, cell walls, electron microscopy 9580.
cloning, phage SP01, DNA, fragments, expression 11303
cloning, plasmid pMB9, penP gene, penI gene, Bacillus licheniformis 1604
comparison, Bacillus licheniformis, α-amylase, amino acid sequence 5743
competence, DNA, degradation, binding, inhibition, protein biosynthesis, temperature effects 1437
curing, plasmids DNA 1687
cytochrome c oxidase, photochemistry, lasers 2753
cytoplasmic membranes surface charge detection use ferritin+protamine complex labelling 10957
deficient mutant, autolysis, effects on, cell walls proteins, permeability 1377.
deficient mutant, fructose-bisphosphatase, gene mapping 6717
dehydration, sterility, corn cobs particles, fluidized beds, burn patients 11930
deoxyribonuclease I, manganese stimulation, isolation, characterization 3990
deoxyribonuclease, initiation, DNA, replication 12518
diazachalcones, 2-pyrazoline derivatives, antimicrobial activity 422
dimethylallyltransferase, purification, characterization 3948.
DNA alkylation, caffeine effects on 11256.
DNA biosynthesis, chlorhexidine effects on 8486
DNA biosynthesis, inhibition trioxacarcins, structure Streptomyces bottropensis 11339.
DNA biosynthesis, initiation, relationship, cell walls biosynthesis, synchronous culture 2594
DNA (cytosine-5-)-methyltransferase isoenzymes, purification, physicochemical properties 4886
DNA (cytosine-5-)-methyltransferase, kinetics, mechanisms 4877
DNA genomes plasma membranes complex, fractionation, characterization 6566.
DNA nucleotide sequence, localization tRNA Ile, tRNA Ala genes 4108
DNA polymerase III, N2-(p-n-butylphenyl)guanine, N2-(3',4'-trimethylene phenyl)guanine inhibition 7621.
DNA-unwinding protein, role, phage SPO1, replication, development 2899
effects on intestine, gnotobiotics (germfree) 1122
effects on, rhizosphere soil phosphorus levels, Oryza sativa phosphorus uptake 13498
electron transport, peptides, serum, rabbits, antibacterial activity 1780.
enzymes, cytolysis, yeasts, bacteria 12593
Escherichia coli, flagella, rotation, motor activity, electrochemistry 6517.
Eupatorium capillifolium plant extracts antibacterial activity 420
extracellular enzymes, proteinase, α-amylase, biosynthesis, sporulation 8573
ferrisiderophore reductase, enzymatic activity, characterization, role, aromatics biosynthesis 2817
food additives effects on, intestinal microflora, pigs 12041
formaldehyde, microbiocidal activity 10024
gene mapping, trepE gene, chromosomes defects 2849
genes, promoters, transcription, regulation, nucleotide sequence 1584
genes, rRNA, gene mapping 2855.
genes transfer, Escherichia coli, penicillinase biosynthesis, association, α-amylase genes 12645.
genes transfer, Escherichia coli, penicillinase biosynthesis, association, α-amylase, genes 12655.
glutamate dehydrogenase (NADP$^+$), enzymatic activity, catabolite repression, glutamate 2809
gramicidin S adsorption 3834
growth kinetics, adenine metabolism, chemostat culture 5669
growth, Mars soil minerals+hydrogen peroxide effects on 11009.
growth, 2,4-dinitrophenol± solar radiation± U.V. radiation effectson 2658
guanosine 5'-diphosphate 3'-diphosphate biodegradation, role spot gene products 11124.
heat, acids, induction DNA injuries, association, spore germination, DNA repair 7500
hexamethylene diamine biodegradation, clays minerals effects on 12376
1,6-hexanediamine biodegradation 10995.
hisA gene, role histidine transduction, DNA deletion, restriction endonuclease mapping, phage ρ11 12815
isolation, taurine, identification 9809
membrane potential, assays, cations, probes, fluorescence 5617
membrane proteins, purification, affinity chromatography 170
membranes, DNA receptors localization 12324.
methionine adenosyltransferase activity, association, sporulation 12338
microbiological analysis, algae extracts 4216.
mitogenicity, cell walls, peptidoglycans, teichoic acid, lymphocytes 6922
monascidin A antibacterial activity 5102
motility, lipophilic cations effects on 71.
mutagenesis, U.V. radiation, effects on macromolecular biosynthesis 6845
mutants, fatty acid composition, phospholipid composition, sporulation, methanol, ethanol, effects on 1574.
mutants, gene products, role, septation, cell cycle 6533.
mutants, glutamine, nutrient requirements, glutamine synthetase, genetic analysis, gene mapping 2856
mutants, nutrient availability, effects on, transcription, genes, sporulation 1613.
mutants, proteinase biosynthesis 7600.
mutants, revertants, sporogony, delay, genetic analysis 1608
mutants, ribosomal proteins, streptomycin antibiotic resistance 12925.
mutants, spoIIA gene, gene mapping, suppressor factor 2853.
mutants, spore germination, gene mapping 2852
mutants, spore germination, nutrient sources, effects on 2862
mutants, sporulation, association, production, deoxyribonuclease inhibitors 12306.
mutants, sporulation, complementation, genetic analysis 1594
mutants, sporulation, transcription, RNA biosynthesis, genes, regulation 2874
nafcillin antibiotic tolerance role proteinase, extracellular enzymes 7822
3'-nucleotidase, 5'-nucleotidase, localization, role, RNA metabolism 2793.
nucleotide sequence, suppressors, DNA replication 11050.
nutrient sources, 4-amino-5-hydroxymethylpyrimidine, role thiamine biosynthesis 5662

Bacillus subtilis, (continued)
oxolinic acid, novobiocin, effects on sporulation 12955.
oxolinic acid resistant mutant, characterization, gene mapping 12808.
penicillin-binding protein, purification, characterization, affinity chromatography 2777.
peptides, antibacterial activity, isolation, serum, rabbits 1792.
phage SPβ, diploids, glutamine synthetase subunits, regulation 6621.
phage SPβc2, insertion, citF gene, gene mapping 12756.
phage SPP1, U.V. radiation lesions, host cell reactivation, role, DNA repair 8720.
phage SPP1, transduction, DNA characterization 1662.
phage SP10, DNA biosynthesis, gene expression 5856.
phage typing 9547.
phage Φ29 translation 1457.
phage Φ3T, phage ρ11, phage SPβ, RNA, DNA, homology 1645
phages transfection, restriction, DNA homology 7669.
phosphatidylserine synthase, biosynthesis, characterization 1523.
phosphocarrier protein, N.M.R. 7526.
phosphodiesterase I, 5'-nucleotidase, activity, nucleotides deficiency effects on 6632.
phospholipids, effects on macrophages activity 7947.
3-phytase, purification, characterization 12634
plasmid pBR322× plasmid pC194, hybrids, instability 12828.
plasmid pCS194, recombinants, maintenance, transformation, Escherichia coli, restriction-modification, gene mapping 2924.
plasmid pE194, plasmid pUB110, antibiotic resistance, replication, electron microscopy 2908
plasmid pUB110, plasmid pBD9, restriction endonuclease mapping 5026.
plasmids, transfer, Bacillus, replication, expression 1671.
polyadenylation mRNA characterization 7506.
polysaccharides, foliar applications, inhibition, sugarcane mosaic virus, Sorghum bicolor 4077
ppGpp, metabolism, role, RNA polymerase 164.
promoters, nucleotide sequence, RNA polymerase association 159.
proteinase biosynthesis, nutrient requirements 12639.
proteins, purification, characterization, role killing, Bacillus subtilis 7671
proteolytic enzymes, activity, specificity 12649.
proteolytic enzymes, clinical isolates 12644.
protoplasts, biosynthesis, teichoic acids 1564.
protoplasts cell fusion, plasmid pUB110 transfer 12852.
protoplasts cell fusion, plasmid pUB110 transfer 12853.
protoplasts, DNA repair, phages, enzymatic activity 152.
purification, characterization, proteolipids 9804
pyrimidines biosynthesis enzymes 8615.
recipients DNA, interaction, donors DNA 12519
relaxation mutants characterization 8685.
respiration, variation, cell cycle, synchronous culture, centrifugation 2680
restriction-modification 12758.
Rhizoctonia bataticola metabolites antibacterial activity 5131.
rhizosphere soil, effects on phosphorus levels 13495.
ribosomal protein L12, amino acid sequence, comparison ribosomal proteins Micrococcus luteus 2712
ribosomal proteins, physicochemical properties, C.D., hydrodynamics 12550.
RNA biosynthesis, Kinetics, electrophoresis, hybridization 8501.
RNA, characterization, isolation 1458.
RNA linkage DNA, role, genomes replication 5721
RNA polymerase σ subunit, binding phage SP01 promoters, transcription 2890.
RNA polymerase, activity, rifampicin resistant mutant, genetic analysis 12787
RNA polymerase, binding phage SP82 promoters, role δ subunit 6575.
RNA polymerase, gene expression, gene regulation, sporulation, reviews 266
RNA polymerase, purification, characterization, comparison Bacillus amyloliquefaciens, Bacillus brevis, Bacillus thuringiensis 6617.
RNA polymerase, regulation subunits, peptide mapping 12624.
RNA polymerase, role δ subunit binding phage SP82 promoters 6575.
mRNA poly(A)-containing, cDNA, cloning, DNA polymerase (RNA-dependent), avian myeloblastosis virus 11039.
tRNA Lys isoacceptors, comparison activity, rabbits reticulocytes translation cell-free system 7509
tRNA Lys isoacceptors, nucleotide sequence 7508
tRNA Lys, N-[(9-β-D-Ribofuranosyl-2-methylthiopurin-6-yl)carbamoyl]threonine identification 2716.
tRNA, thionucleosides, characterization 2714
tRNA Val, nucleotide sequence 4821
spoOH locus, association, nuclease, biosynthesis 12780
spore coats, proteins precursors, biosynthesis 1479.
spore germination, growth, redox potential effects on 12323.
spore germination, macromolecules biosynthesis, morphology, aminoglycoside antibiotics, peptide antibiotics effects on 6487
spores, amino acids enhancement, thermal injury, recovery 5615.
spores, binding, peptide antibiotics, aminoglycoside antibiotics, role, antibacterial activity 5932.
spores, coat protein mutation, effects on, lysozyme resistance, spore germination 12797.
spores DNA, acids, heat, induction injuries 7499.
spores, formaldehyde, disinfection, heat activation 11447.
spores, freeze drying effects on, heat resistance, population density 1764.
spores, mutagenesis, association sunlight 6712.
spores production, agar media (culture) 6457.
spores, protein biosynthesis, characterization, association, sporulation 8551
spores swelling, association, spore germination 7412.
spores, viability, heat resistance, ethidium bromide, acriflavin, daunomycin, effects on 3093
sporulation, association, chromosomes replication 1394.
sporulation, exodeoxyribonuclease I, function, spo0H locus 8614.
sporulation, fatty acid composition, membranes, effects on 2612.
sporulation genes, mutants, gene mapping 1618.
sporulation, induction, amino acids starvation 6532.
sporulation inhibition, nalidixic acid, novobiocin, acridine orange 7419.
sporulation, initiation GTP, amino acids, starvation 9647.
sporulation mutants, genetic analysis, role ssa locus 8699.
sporulation, RNA polymerase, purification, characterization 4016
sporulation, role, cysteic acid 2585.
sporulation, spore coats, protein biosynthesis, assembly, genetic factors 1476.
sporulation, statistical analysis 1358.
stringent response, nitrofurantoin induction 4741

Bacillus subtilis, (continued)
surfactin production 3928
synchronous growth, biodegradation, dyes, role, textile industry wastewater treatment 4754
synergism, antibacterial activity, lipophilic acids, fatty alcohols 430.
teichoic acid chains length, association, phosphate limitations 9790.
, teichoic acids 4074.
temperature-sensitive mutant, morphogenesis, cocci formation, cell walls 1338.
temperature-sensitive mutant, peptidoglycans biosynthesis 1615.
temperature-sensitive mutant, RNA biosynthesis, spore outgrowth 2877.
temperature-sensitive mutant, spore outgrowth, cell walls, morphology, electron microscopy 2593
tetrahydropteroyltriglutamate methyltransferase, purification, characterization, kinetics, role chemotaxis 11176
thidiazuron biodegradation 9612
transcription, translation, initiation sites, phage Φ29 DNA, cell-free system 6587
transformation, DNA homology 2870.
transformation, drugs effects on recombination 12765.
transformation, genetic relationship, recombination, soil 12777.
transformation, phage SPP1 transfection, magnesium effects on 1644.
transformation, phage Φ3T, integration, thyP3 gene, thymidylate synthase, gene mapping 1643.
transformation, Pseudomonas aeruginosa 8677.
transformation, use plasmid pUB110 12861.
transketolase deficient mutant, catabolite repression effects on enzymatic synthesis 2805.
transport, aminoglycoside antibiotics, role, menaquinone 1705.
uptake, phage ΦW-14 DNA, characterization 6730.
Zanardinia prototypus, Cystoseira balearica, Laurencia obtusa, antimicrobial activity, Sicily 1767.
Bacillus subtilis var.amyloliquefaciens,
extracellular enzymes, proteinase biosynthesis, association nitrogen nutrient requirements 12598.
Bacillus subtilis var.niger,
cell walls, chemical composition, pyrolysis products, continuous culture 4075.
hydrolysis, carboxylic acids esters 3851.
spores, propylene oxide sterilization 445.
Bacillus thermoglucosidius,
oligo-1,6-glucosidase, proteolysis susceptibility, comparison Bacillus cereus 9765.
oligo-1,6-glucosidase, structure, proteolysis, comparison Bacillus cereus 11187.
Bacillus thermoproteolyticus,
ferredoxin, X-ray diffraction 3944.
proteinase, calcium binding, N.M.R. 9762.
thermolysin C-terminus fragments, immunochemistry conformational analysis 4892.
thermolysin, peptides inhibition 12579.
Bacillus thuringiensis,
antibiotic resistance, neomycin, kanamycin, detection, mutation frequency 4113.
δ-dendotoxin, stability, toxicity, use biological control, Culicidae 12974.
δ-endotoxin, effects on Choristoneura fumiferana 1819.
δ-endotoxin, effects on Galleria mellonella 1834.
δ-endotoxin, histopathology, gut epithelium, Pieris rapae, Lymantria dispar, Ephestia cautella 10096.
δ-endotoxin, toxicity, hemolymph histopathology, Pieris rapae, Lymantria dispar, Ephestia cautella 10095.
endotoxins, membranes, pathogenesis, Insecta 8885.
endotoxins, mutagenesis, Insecta 8884.
endotoxins, susceptibility, geographical variations, Anopheles stephensi, Aedes aegypti, Aedes albopictus, India 12987.
endotoxins, toxicity, Insecta 8872.
exotoxins biosynthesis 1806.
exotoxins, effects on feeding, Agrotis ipsilon, Ostrinia nubilalis, Musca domestica 7896.
exotoxins, toxicity, Agrotis ipsilon, Spodoptera frugiperda, Ostrinia nubilalis 7892.
β-hydroxybutyrate spore crystals, chemical composition 4955.
immunity, role, reticulo-hemopoietic tissue, Locusta migratoria 6076.
infection, Insecta larvae, specificity, role, spore crystals, biological control 3653.
isolation, characterization, host-pathogen interactions, Culicidae 9377.
pathogenicity, Leucania separata, digestive enzymes effects on 1132.
pathogenicity, susceptibility, Achoea janata, Spodoptera litura 9384.
pathogens, biological control, larvae, Achoea janata 4599.
pathogens, effects on larvae, development, Heliothis armigera 9382
pathogens, mortality, larvae, Diacrisia obliqua 4595.
phage Φ63 transduction, antibiotic resistance, gene mapping 1657.
plasmid pUB110, transformation 2920
proteins characterization, comparison, biological control, Manduca sexta, Aedes aegypti 5729.
Pseudomonas fluorescens+Serratia marcescens, infection, Bifiditermes beesoni, disease transmission, feeding behavior 4601.
RNA polymerase, purification, characterization, comparison Bacillus subtilis, Bacillus amyloliquefaciens, Bacillus brevis 6617
serotypes, pathogenicity, susceptibility, Galleria mellonella 12082
soil, distribution, relationship, biological control 3711.
spores, antibacterial activity, Erio acid red XB 400 dye, photoinactivation 3101.
spores, crystals, toxicity, Ostrinia nubilalis 7897.
sporulation mutants, isolation, characterization 10935
subsp nov , subsp kumamotoensis, subsp.tochigiensis, taxonomy, characterization, Japan 2536.
Thermoactinomyces vulgaris, serine proteinase, structure-activity relationships 11213.
toxicity, spores, spore crystals, Ostrinia nubilalis 8125.
varieties, pathogenicity, Culicidae 4597.
Bacillus thuringiensis subsp.berliner,
transduction, Bacillus cereus, phage CP-54Ber, phage CP-54, frequency, characterization 1647.
Bacillus thuringiensis subsp.israelensis,
δ-endotoxin effects on Aedes aegypti 4239
pathogenesis, larvae, oysters 5491.
toxins, detection, assays, enzyme-linked immunosorbent assay 5150
Bacillus thuringiensis subsp.kumamotoensis,
subsp.nov., taxonomy, characterization, Japan 2536.
Bacillus thuringiensis subsp.kurstaki,
toxins, detection, assays, enzyme-linked immunosorbent assay 5150.
Bacillus thuringiensis subsp.tochigiensis,
subsp nov., taxonomy, characterization, Japan 2536.
Bacillus thuringiensis subsp.tohokuensis,
characterization, taxonomy 6466.
Bacillus thuringiensis var. kurstaki,
toxicity, nontarget organisms, Apanteles glomeratus, Pimpla turionellae 9385.
Bacillus thuringiensis var.israelensis,
biological control, Aedes stimulans, instars, temperature effects on 3655.
Bacillus thuringiensis var.kurstaki,
toxins, purification, characterization, toxicity Trichoplusia ni, Aedes taeniorhynchus 7895.
Bacitracin,
antibiotic resistance, R factors, Escherichia coli, animal isolates, chickens 4200.
antibiotic sensitivity testing, Dermatophilus congolensis, in vitro 1736.
biosynthesis, amino acids, effects on, Bacillus licheniformis 8396.
biosynthesis, Bacillus licheniformis, sporulation, growth, carbon sources, effects on 1409.
treatment, enteritis, cattle, juveniles 5480.
Bacitracin A,
antibacterial activity, structure-activity relationships 12913.
structure-activity relationships 4186.
Bacitracin synthetase,
subunits, characterization, Bacillus licheniformis 2752.
Backache,
endocarditis presentation, man, case reports 3525.
Bactec test,
detection, bacteria, subculture negative blood culture 2520.
detection, blood culture bacteria 3796.
detection, Mycoplasma 1299.
diagnosis, bacteremia, Haemophilus influenzae, children 3449.
media (culture), bacteria isolation 4659.
osmotic stability effects on, detection, Escherichia coli, Salmonella typhimurium, Enterobacter cloacae 5570.
Bacteremia,
Achromobacter xylosoxidans, epidemiology, hospitals, nuclear medicine 7106.
Acinetobacter calcoaceticus, nosocomial infection, clinical aspects, man 12025.
Aeromonas hydrophila, diagnosis, man, case reports 4394.
Aeromonas hydrophila, incidence, antibiotic resistance, immunocompromised hosts, man 2241.
Aeromonas hydrophila, man, case reports 8039.
antibodies, serum levels, association, man 8989.
association, hypogammaglobulinemia, case reports, man, Neisseria meningitidis 940.
association, liver cirrhosis, man, Escherichia coli 944.
association, shock, leukocytes (polymorphonuclear) adherence, man 6319.
association ulcers, man 9266.
association, vertebrae puncture, relationship, meningitis, children 6234.
Bacteroides, association, thrombotic thrombocytopenic purpura, man, case reports 3508.
burn patients, Aeromonas hydrophila, water-borne diseases 9212.
Campylobacter jejuni, opportunist infection, association, histiocytic medullary reticulosis, man 13313.
Capnocytophaga ochracea, immunocompromised hosts, clinical aspects, man 8035.
children, Streptococcus pneumoniae infection, characterization 12022.
clinical aspects, case surveys, man, Streptococcus group D 939.
clinical isolates, antibiotic sensitivity testing, N-formimidoyl thienamycin comparison β-lactam antibiotics 5902.
Clostridium, man 9301.
detection, blood culture, man 3460.
diagnosis, blood culture, antimicrobial agents adsorption, man 13302.
diagnosis, blood culture enrichment, man 9.
diagnosis, gas chromatography, man 3505.
diagnosis, prognosis, role, enumeration, microorganisms, blood culture 2246.
diagnosis, radiometry+blood culture subculture 7141.
endocarditis, relationship, dental hygiene, dental manipulation, case surveys, man 6260.
Enterobacteriaceae, diagnosis, nephelometry, subculture, man 10487.
Enterococcus, prognosis, epidemiology, man 10446.
Escherichia coli, Proteus mirabilis, bacteroides, postoperative infection, anus, rectum, colon, surgery, man 839.
Escherichia coli, recurrent infection, man, case reports, 7107.
Escherichia coli, strains, capsules, virulence, neonates, rats 8942.
fever, diagnosis, treatment, children 9224.
gentamicin antibiotic resistance gram-negative bacilli, nosocomial infection, risk factors, man 1020.
gram-negative bacilli, clinical aspects, man 5411.
gram-negative bacilli, epidemiology, surveillance, acute nonlymphocytic leukemia, man 11920.
gram-negative bacteria, diagnosis, neonates, man, limulus lysate test, evaluation 1816.
Haemophilus influenzae, children, case reports 7154.
Haemophilus influenzae, diagnosis, BACTEC test, plate counts, children 3449.
Haemophilus influenzae, infection source, serotyping, man 2283.
Haemophilus influenzae, treatment, cefamandole, children, case reports 11937.
immunocompromised hosts, man, case reports, Neisseria sicca 948.
incidence, nosocomial infection, man, hospitals, USA, South Carolina 2233.
Klebsiella pneumoniae, association, breast milk contamination, man, neonates, hospitals 10538.
Klebsiella pneumoniae, muramyl dipeptide, immunostimulation, mice, animal models 10520.
man, diagnosis, buffy coat microscopy 10484.
man, treatment, antibody response 6902.
Neisseria meningitidis, pathology, bone, children, case reports 2197.
Neisseria meningitidis, symptoms, children, case reports 2275.
nosocomial infection, epidemiology, bacteria, man 10506.
nosocomial infection, gram-negative bacilli, epidemiology, man, reviews 11867.
nosocomial infection, gram-negative bacteria, vaccination, clinical trials, man 11636.
nosocomial infection, heart surgery, Pseudomonas maltophilia, children 960.
postoperative infection, prophylaxis, povidone-iodine, ± gentamicin, prostate surgery, man 868.
prophylaxis, vaccines, man 3257.
Pseudomonas cepacia, association, povidone-iodine contamination, man, hospitals 3553.
Pseudomonas cepacia, povidone-iodine contamination 6288.

Bacteremia, (continued)
rabbits, blood culture, animal models 4672
relationship, gastrointestinal tract endoscopy, man 7172.
role, fever, children 963.
Salmonella, treatment, cefamandole, man 7152
Salmonella typhi, Salmonella paratyphi, treatment, amoxicillin, ampicillin, man 3376.
Serratia marcescens, burn infection, treatment, cefotaxime, children 685
Serratia marcescens, man, saline solution, intensive care units, hospitals 3474.
Staphylococcus, antibody response, immunoglobulin M serum levels, man 3207.
Staphylococcus, association, biliary tract diseases, immunity (humoral), treatment, man 2196.
Staphylococcus aureus, antibiotic resistance, methicillin, man, case surveys 3472.
Staphylococcus aureus, antibiotic therapy, cancer patients, man 9245.
Staphylococcus aureus, association, hemodialysis shunts, man 3442.
Staphylococcus pneumoniae, association, carcinoma, man 4531.
Streptococcus bavis, association, colon neoplasia, risks, man 9292.
Streptococcus bovis, lesions, diagnosis, man, case reports 2206.
Streptococcus group B, experimental infection, pathology, animal models 2132.
Streptococcus group B, penicillin antibiotic resistance, man, case reports 10517
Streptococcus milleri, association, liver diseases, man, case reports 7144.
Streptococcus pneumoniae, clearance, phagocytosis, opsonization, correlation, cell cycle 557.
Streptococcus pneumoniae, epidemiology, children, infants, man 7198.
Streptococcus pneumoniae, man, case reports 4461
Streptococcus pneumoniae, man, reviews 11981.
Streptococcus pneumoniae, splenectomy effects on, animal models 5376
treatment, tranfusion, leukocytes (granulocytic), man 10573.
Vibrio metschnikovii, association, cholecystitis, peritonitis, man, case reports 3485
Vibrio vulnificus, clinical aspects, man 1033.
Bacteria,
abdominal diseases, characterization, diagnosis, treatment 13311.
abortion, prophylaxis, sheep, goats, Cyprus 1087
abscesses, brain, man, case reports 5339.
abscesses ecology, pigs 5474.
abscesses, incidence, pigs carcasses, abattoirs 1093
abscesses, nose septa, diagnosis, pathology, man 9117.
abscesses, skull, diagnosis, treatment, case reports, man 13314.
abundance, ice, surface microlayers, water column, sediments, Arctic Ocean 12162.
abundance, salt lakes, Africa 8227.
acid production, metabolism, glucose feedback inhibition, digestion (anaerobic) 8444
acne, measuring techniques, man 13081
acne, pathogenesis, treatment, adolescence 11678.
acne, treatment, man 1928.
adherence, association infection, man, animal models 10319.
adherence, colonization, virulence, antibiotics treatment, mucosa, epithelium, children, conferences 10841
adherence, prevention, association, glycosaminoglycans, sodium pentosanpolysulfate, urinary tract infection, man 7047
adherence, rabbits urinary bladder glycosaminoglycans effects on 6226.
adherence, role, endocarditis pathogenesis, man 11992
adherence, surfaces, dairy industry 79
adherence sutures, role infection, man 8357
adherence, webs, disinfectants aerosols, microbiocidal activity assays 11449.
adsorption, urinary bladder, heparin effects on, animal models 1374
aggregation, skin, teeth, rectum, oral cavity, mucosa, man 3266
air-water interface, aerosols 8236.
airborne microorganisms, ice particles, polar environments 10818.
airborne microorganisms, vertical distribution, buildings, Hungary 10819
alkanes biodegradation, oxidation mechanisms 8416.
2-aminoethylphosphonic acid content, measuring techniques, association rumen microorganisms 10876.
aminoglycoside antibiotics resistance, antibacterial activity, netilmicin 9936.
ampicillin resistant, infection, man, treatment, antibiotic CP-45,899+ampicillin 9207.
Anguilla rostrata pathogens 6330.
animal isolates, domestic animals, antibiotic sensitivity testing, Netherlands 3000
antibacterial activity, antibiotics, temperature effects on 5053.
antibacterial activity, benzimidazoles, chemical modification 12941
antibacterial activity, ceftazidime, disc-diffusion test standards 5090.
antibacterial activity, fosfomycin, experimental infection, treatment, mice 3039.
antibacterial activity, growth inhibitors, Hydrodictyon reticulatum, Aphanothece nidulans, Chlorella vulgaris 10045.
antibacterial activity, phenols, Magnolia grandiflora 448.
antibacterial activity, phytoalexins, Glycine max, characterization 3102.
antibacterial activity, pyocyanin 6816.
antibiotic resistance 7818.
antibiotic resistance 11431.
antibiotic resistance, β-lactamase inhibitors association, medical importance 12929
antibiotic resistance, association, R factors 11438
antibiotic resistance, drug resistance, antibiotics, pollution effects, sediments, lakes, USA, Vermont 2462.
antibiotic resistance, genetic control, role, plasmids, evolution, reviews 4196.
antibiotic resistance, R factors 6831.
antibiotic resistance, R factors, animal wastes, association public health 7825.
antibiotic resistance, R factors, genetic analysis, books, conferences 10828.
antibiotic resistance, role penicillinase, antibacterial activity, ceftazidime comparison β-lactam antibiotics 5067.
antibiotic resistance, role, protein biosynthesis, translation 5942.
antibiotic resistance, septicemia, treatment, fosfomycin, man 11900.
antibiotic resistance, tetracycline, in vitro 381.
antibiotic resistance, tetracycline, role, membranes, diffusion 2609.
antibiotic sensitivity testing, association, trimethoprim, hospitals 11458.
antibiotic sensitivity testing, computer applications, methodology 8755.
antibiotic sensitivity testing, disc-diffusion test 6777.
antibiotic sensitivity testing, gentamicin, tobramycin, sisomicin 320.
antibiotic sensitivity testing, methodology 303.
antibiotics effects on Mysis stenolepsis microflora, association, cellulose digestion 12036.
antibodies effects on poultry intestinal microflora 12038.
antigenic characteristics, serotyping, methodology 9553.

Bacteria, (continued)
antigens, detection, enzyme-linked immunosorbent assay, radioimmunoassay, counter immunoelectrophoresis 11553.
antigens, immune response, role, skin, Langerhans cells 10190.
antimicrobial activity, Humulus, beer brewing 7860.
antimicrobial activity, Moringa oleifera, Moringa stenopetala, plant extracts 432.
antimicrobial activity, N-(4-phenyl-3-methyl-2-butenyl)carbnonoxymethylpyperidinium-chloride 12942.
antimicrobial activity, triazolin-3-thione derivatives, structure-activity relationships 8852.
antimicrobial activity, triorganotin 5-nitro-2-furoates 11467.
antimicrobial activity, vinegar 425.
antimicrobial activity, 1-aroyl-4H(R)-thiosemicarbazides, 5-pheny-4H(R)-1,2,4-triazolin-3-thiones, hydrazinoaroylthiazoles 8838.
antimicrobial activity, 2-arylthiobenzimidazole, 2-arylsulphonobenzimidazole, 2,4-dinitro-12(H)-oxo-benzimidazo[2,1-b][1,3]benzothiazine 8841.
antimicrobial activity, 3-acetyl-4-hydroxy-6-methyl-2H-thiopyran-2-one derivatives 8836.
aquatic environment, free-living, attachment, effects on phosphorous cycle 6447.
arginine biosynthesis, arginine resistant mutant 4833.
arthritis, clinical aspects, reviews, man 9240.
arthritis, diagnosis, antibiotics treatment, man 5390
arthritis, synovial fluid, lactic acid, diagnosis, man 2325.
arthritis, treatment, man 7204.
arthritis, treatment, man, case reports 3527.
arthritis, treatment, pathogenesis, man 7170.
± Aspergillus oryzae, culture, rice, koji 124.
association, hemicellulose transformation 8420.
association, predators, Metaseiulus occidentalis 12086.
ATP, salt marshes, seasonal variations 1228.
attachment, rocks, freshwater environment, minerals, effects on 13523.
attachment sediments, growth, vertical distribution, coastal waters, USA, New York 10808.
autolysis, teichoic acid effects on 12695.
bacteriostasis parameters, antibiotics, radiometry methodology 7377
bacteriuria, clinical aspects, treatment, children 10398.
bacteriuria, measuring techniques, Bacturcult test, dogs 3572.
bacteriuria, prophylaxis, cephradine treatment, association, surgery, man 10579.
bacteriuria, relationship, mortality, geriatrics, man 2098.
bacteriuria, treatment, pivampicillin± pivmecillinam, children 11957.
bacteriuria, urine, safranine staining, detection 1279.
beer, biodeterioration, Lactobacillus, Streptococcus, taxonomy 9548.
benthos, hot springs, Pacific Ocean 2497.
bilary tract infection, treatment, mezlocillin, man 4505.
bile, association, cholecystectomy, man 9311.
biliary tract infection, man, association, hypogammaglobulinemia 10490
biliary tract infection, man, treatment, pivmecillinam 10618.
biliary tract infection, treatment, antibiotics, man 3511.
bioassays, pollutants effects on 7380.
biodegradation, alkylbenzene sulfonate 8413.
biodegradation, ametryne, prometryne, sulfur nutrient sources 5647.
biodegradation, cooling lubricants 12383.
biodegradation, Crocodylia egg shells 3845.
biodegradation, detritus, carbon cycle, intertidal environment, Ecklonia maxima 12156.
biodegradation, hydrocarbons, oil sand, Canada, Alberta 8360.
biodegradation, hydroquinone monosulfonate 8417.
biodegradation, industrial sites, characterization, case reports 6529.
biodegradation, lignin, characterization 7456.
biodegradation, linear alcohol ethoxylates surfactants, kinetics, thermodynamics 4753.
biodegradation, oil spills, France 99.
biodegradation, particulate matter, Laminaria pallida 127.
biodegradation, phenol, shake culture, statistical analysis, factors affecting 3839.
biodegradation, phytoplankton, organic matter 135.
biodegradation, phytoplankton, urea, levels, eutrophication, seasonal variations, lakes 3743.
biodegradation, pollutants, lubricants 133.
biodegradation, pollutants, rivers, sediments 100.
biodegradation, sodium arsenate 107.
biodegradation, soil pesticide residues models 4756.
biodegradation, soil, pesticides effects on 8185.
biodegradation, Spartina alterniflora detritus, micronutrients release, salt marshes 8232.
biodegradation, 4-chlorobiphenyl, metabolism, intermediates 12382.
biogeochemistry cycles, phytoplankton primary production, seasonal variations, lakes 8235
bioluminescence, in vitro, intermediates identification 147.
bioluminescence, yield, association, oxygen 12485.
biomass interference food digestion, measuring techniques, rumen 10641.
biomass, soil characteristics 9484.
biomaterials colonization, adherence, use, chemotaxis chambers 6535.
biosynthesis, β-lactam antibiotics, pathogens, antibiotic resistance, reviews 4194.
biosynthesis, bacteriocins like compounds, inhibition, coliforms growth, screening, water supplies 4647.
biosynthesis flocculants 7634.
blood culture isolates, antibiotic sensitivity testing, automated methods 7767.
bone diseases, joint deseases, treatment, diagnosis, pathology, man 3748.
Bordetella like, immunization (passive), parents, association, offspring immunity, turkeys 4330.
brain aneurysm, rupture, association heart surgery, man 6242.
breweries isolates, classification, nomenclature, reviews 1290.
bronchitis, antibiotics treatment, man 11747.
bronchopulmonary infection, cefotaxime± ticarcillin treatment, man, association intensive care units 13117.
bronchopulmonary infection, histopathology, immunity, man 13038.
bronchopulmonary infection, pathophysiology, immune response 11581
burn infection, adherence, antibiotic therapy, skin, man, reviews 3274.
burn infection, diagnosis, treatment, man 9270.
burn infection isolation, man 1929.
burn infection, treatment, antibiotics, man, reviews 13256
2,3-butanedione, antimicrobial activity 11462.
cadmium resistance, soil, pollution effects 9434.

Bacteria, (continued)
carcinogens mutagenesis, toxicity testing, reviews 5827
catalysts, removal, manganese, oxidation, coastal waters 7477.
cecum, glycosidases, isolation, role, glycoprotein degradation, rats 2331.
cefamandole antibiotic resistance development, association, treatment, man 3062.
cefmetazole, antibacterial activity, serum levels, man, high-performance liquid chromatography 9947.
cefoperazone, antibacterial activity, antibiotic sensitivity testing 7786.
cefotaxime, desacetyl-cefotaxime, antibiotic synergism, antibacterial activity, penicillinase stability 9969.
cell adhesion, hydroxyapatite, association saliva, tetracycline effects on 8401.
cell division, growth rate, marine environments, mathematical models 3733.
cell membranes, cytolysis, N,-N-dimethyl-1-methyldodecylamine oxide 10937.
cell membranes, role pathogenesis, man, reviews 10154.
cell number, relationship, wounds infection, man, reviews 5433.
cell surface, host-pathogen interactions, role, infection, immune response, reviews 8964.
cell walls, antigens, detection, radioimmunoassay, arthritis, rats 10138.
cell walls biosynthesis, penicillin effects on 5919.
cell walls components, effects on, hematopoietic cells precursors, mice 12736.
cell walls, effects on ileum contractility, guinea-pigs 4950.
cell walls, mass spectroscopy, levels, acetamide, propionamide 9589.
cell walls peptidoglycans, analysis, I.R. spectroscopy 10960.
cell walls peptidoglycans, carbohydrate analysis 12706.
cell walls, peptidoglycans, cross-linking, amino acid analysis 7403.
cell walls peptidoglycans, N-acetyl glucosamine, chemical analysis 12705.
cellulase activity, indicators, environmental stress, salt marshes, USA, South Carolina 12166.
cellulase, assays, Congo red, β-D-glucans staining 8606.
cellulitis, association, gas gangrene, morbidity, mortality, treatment, prophylaxis, man 10600.
cellulitis, etiology, man 11674.
cellulose biodegradation, bagasse isolates 4752.
cerebrospinal fluid, detection, acridine orange staining, Gram stain, man 2112.
cerebrospinal fluid shunts infection, antibiotics treatment, man 11978.
challenge, lung, defense mechanisms, mice, proteins deficiency diets, effects on 3220.
chemotaxis detection, methodology 9588.
chemotaxis, mathematical models 8356.
chitin biodegradation, Abies alba litter 3729.
chlorhexidine mouthwashes, effects on, dental plaque, gingivitis, children 11684.
chloridazon biodegradation, tyrosine, biosynthesis, arogenate dehydrogenase 10990
chloridazon biodegradation, tyrosine biosynthesis, association, arogenate intermediates 11097.
chlorophylls, photorophic bacteria, chromatophores, quantitation 11035.
cholangitis, clinical aspects, treatment, man 11998
cholangitis etiology, clinical aspects, man 3481.
cholic acid, tumorigenesis enhancement, rats, reviews 13368.
chromatography, separation techniques, ubiquinone 6545.
chromosomes, plasmids, function, effects on 2917.
cimetidine effects on growth, association, gastric juice, surgery, man 10984.
clearance, biliary tract, ceftizoxime treatment, choledochlithiasis, man 10545
clinical isolates, antibacterial activity, azlocillin, ± cefotaxime, ± tobramycin 7765
clinical isolates, antibacterial activity, ceftazidime 5066.
clinical isolates, antibacterial activity, ceftazidime, disc-diffusion test standards 5089.
clinical isolates, antibacterial activity, norfloxacin, comparison, β-lactam antibiotics 8822.
clinical isolates, antibiotic resistance, aminoglycoside antibiotics, mechanisms 12921.
clinical isolates, antibiotic resistance, drug resistance 10062.
clinical isolates, antibiotic resistance, epidemiology, man 10020.
clinical isolates, antibiotic sensitivity testing 5048.
clinical isolates, antibiotic sensitivity testing, analyzers 7351.
clinical isolates, cotrimoxazole drug resistance 11474.
clinical isolates, drug resistance, sulfonamide, trimethoprim, Finland 12956.
clinical isolates identification, clinical microbiology 12228.
clinical isolates, identification, counter immunoelectrophoresis, fluorescent antibody test, clinical microbiology 12230.
clinical isolates, moxalactam, antibacterial activity 7787.
clinical microbiology, immunological aspects, man, conferences 13033.
clinical microbiology, serological tests, identification, infection, diagnosis, methodology, man, books 12192.
clinical trials, infection, treatment, cefotaxime, 4532.
cloning, viruses antigens, vaccines development, conferences 10829.
coal, sulfur removal, reviews 7432.
cobalamin transport, reviews 7406.
colitis, Crohn's disease, sulfasalazine treatment, man 11764.
colonial characteristics, phony disease, Prunus persica, leaf scald, Prunus domestica 9551
colonies, paddy fields, physicochemical properties, diurnal variations 8238.
colonization, antifouling agents+paints, conferences 10824.
colonization, breast milk, man 669.
colonization, catheters, association neonates man 6295.
colonization, drinking water pipes tar 12180.
colonization, Phytophthora cinnamomi hyphae, soil leachates media (culture) 3678.
colonization, substrate preferences, methodology 1283.
colonization, tongue, relationship, keratinization, animal models 5476.
colonization, Verticillium dahliae, sclerotia, morphology, soil microorganisms, pH, effects on 3728.
community composition, decomposition, detritus, chlorella, Skeletonema 3866.
community composition, soil, industrial wastes effects on 7319.
community structure index, association, taxonomy 13499.
competition, fungi, protozoa, role toxins, antibiotics, predation 6405.
concentration, surgery sites, relationship, prophylaxis, postoperative infection, antibiotics, man 3492.
concentration, surgery sites, treatment, inflammatory bowel disease, surgery, relationship, postoperative infection, man 3462.
conjugation, role F factors, genetic analysis, reviews 8729.
conjunctivitis, treatment, trimethoprim+polymyxin, comparison, neomycin+polymyxin+gramicidin, man 7185.
contagious equine metritis, diagnosis, carriers, methodology, horses 7242
contagious equine metritis, energy metabolism, characterization, enzymes detection 5673.

Bacteria, (continued)
contagious equine metritis isolates, morphology, horses 8324.
contaminants, diets, rearing, Heliothis 1130.
contamination, eggs, chickens juveniles, enumeration, gnotobiotics (specific pathogen free) 6381.
contamination, frozen food, counting methods, books 13538.
contamination, fungi culture collections, purification, methodology 4678.
contamination, gold ores deposits, USSR 8165.
contamination mineral water, U.V. radiation effects on 8225.
contamination Mollusca relationship, water quality, coastal environment 8219.
contamination prevention, cornea storage media 12218.
contamination, semen, prostate, infertility 10388.
contamination, skin cleaning products, chlorhexidine antibacterial activity 446.
contamination, sterilization, ventilators, intensive care units 979.
contamination, swelling agents, dry heat disinfection 426.
content, α-tocopherolquinone, α-tocopherolquinol 12738.
continuous culture fermenters 9515.
copra microflora, water content, weather effects on 2474.
Corchorus capsularis phyllosphere, antagonism, Colletorichum corchori, in vitro 9425.
counting methods 9520.
crystals, production, electron microscopy 12739.
culture, +electromagnetic radiation, methodology, models 8260.
culture, growth, detection, electrical impedance 14.
culture, methodology, endometrium, horses 1272.
culture, use, dextrans 7365
culture, waste treatment 7367.
Cyanophyta, evolution, chemical properties, reviews 12744.
cyclohexone oxygenase, mechanisms 7568.
cystitis, diagnosis, treatment, man, juveniles, case reports 4428.
cytochrome P-450+camphor, U.V. radiation reduction, mechanisms 12480.
cytochrome P-450 reduction, association, carbon monoxide, proteins conformation role 12495.
cytolysis, enzymes, Bacillus subtilis, Bacillus circulans 12593.
decay, Quercus bark, in vitro 8434.
decomposition, organic matter, vertical distribution, brackish water environment, Japan 6438.
decomposition, Prorocentrum, algal blooms, marine environment, Japan 6437.
decomposition, sewage sludge, population dynamics, soil amendment 9433.
denitrification, nitrate reduction, enumeration, soil, microtiter most-probable-number 2525.
denitrification, nitrate reduction, sewage sludge 4628.
denitrification, Zea mays, nitrapyrene effects on 5537.
dental caries, association, periodontal diseases, man 4373.
dental caries, detection, fuchsin, application, man 3294.
dental caries diagnosis 13098.
dental caries, disease control, oral hygiene, man 4375.
dental caries, fluoride water, children 13110.
dental caries, Macaca mulata, radiation, effects on 3640.
dental caries, prophylaxis, fluoride treatment, man 13102.
dental caries, prophylaxis, vaccination, development, man 3247.
dental disorders, clinical aspects, treatment, man 13114.
dental disorders, factors affecting suseptibility, epidemiology, children 11692.
dental disorders, prophylaxis, adolescents 13094.
dental disorders, prophylaxis, children 13109.
dental disorders prophylaxis, fluoride dentifrices 13115.
dental disorders, reviews 13104.
dental disorders, treatment, children 13108.
dental plaque, glycolysis, inhibition, mouthwashes 5277.
dental plaque isolates, carbohydrates hydrolysis, man 10982.
dental plaque microflora, man, New Zealand 725.
dental plaque, pathogenicity, factors affecting, man 7967.
dental roots, growth, experimental infection, animal models 1960.
dental sepsis, association, brain abscesses, treatment, man, case reports 4370.
dermatosis, association, leukocytes function, nitroblue triazolium test, man 8969.
detection, amnion infection, man 3381.
detection, automated methods, association electrical impedence, glucose fermentation 10885.
detection, Bactec test, subculture negative blood culture 2520.
detection, blood culture, BACTEC test 3796.
detection, blood, role, hemolysis 2530.
detection, feces, diarrhea ecology, diagnosis, man 6200.
detection, Gram stain, electron microscopy, xanthogranulomatous pyelonephritis, man 3400.
detection, immunofluorescence, Whipple's disease. man 1029.
detection, urine culture, evaluation 2563.
detection, Urolithiasis, urine, man 2072.
diarrhea, etiology, man, adults 4416.
diarrhea, etiology, prophylaxis, treatment, epidemiology, children, Costa Rica 11780.
diarrhea, factors affecting, virulence, pathology, man 13174.
diarrhea, pathophysiology, man 11778.
diarrhea, prophylaxis, treatment, man 11791.
digestive tract decontamination, association, prophylaxis, infection, neutropenia, man 10279.
digestive tract decontamination, use, antibiotics, association, neutropenia, man 11775.
digestive tract symbionts, Lolita grandis, culture 4596.
4,7-dihydroxyindole derivatives antimicrobial activity 11454.
disease control, identification, antibiotic sensitivity testing, methodology, man 11944.
diseases, pathogenesis, immune response 9381.
diseases, vaccination, children 10250.
disseminated infection, aminoglycoside antibiotics, antibacterial activity, animals, reviews 8096.
distribution, eutrophic environments, coastal environment, association, pollution indicators, Germany, Fed. Rep. 8228.
distribution, identification, association, pollution, marine environment, sediments, USA, Virginia 12158.
DNA modification relationship endodeoxyribonuclease activity 4111.
DNA nucleotide sequence insertion specificity, transposon Tn10 4110.
drinking water isolates, chlorine resistance 12962.
drug resistance, antibiotic resistance 8864.
drug resistance, disinfectants, contamination 11470.
drug resistance mutants, protein biosynthesis, tuberactinomycin derivatives

Bacteria, (continued)
effects on 9976
- drug resistance transfer, media (transport) 4218.
- drug sensitivity testing, automated methods, technology 6834
- ear canals microflora, diabetes mellitus, man 7961.
- ecological distribution, biomass, intertidal environment 10817.
- ecological distribution, oil, ground water, methanogenesis 13509
- ecosystem analysis, marine environment 5547
- ecosystems, aggregation, detritus, association, energy flow, upwelling, coastal waters 6434
- effects on, plants development, mines waste disposal sites, USSR 13455.
- eggs contamination, geese 2388.
- electron microscopy, embedding, cells, cell culture 5573.
- endocarditis, animal models, man 13327.
- endocarditis, antigen-antibody complexes, diagnosis, man 2324
- endocarditis, association, alcoholism, man 9237.
- endocarditis, association, hemodialysis, man 11989.
- endocarditis, association, mitral valve, failure, diagnosis, man, case reports 3480
- endocarditis, association, subaortic stenosis, treatment, man, case reports 2307.
- endocarditis, association, valves heart diseases, treatment, antibiotics, man 1043
- endocarditis, clinical aspects, man 13328.
- endocarditis, diagnosis, case reports, man 9298
- endocarditis, diagnosis, echocardiography, man 3497
- endocarditis, diagnosis, echocardiography, man 12000
- endocarditis, diagnosis, management, association, drug addiction, man 11939.
- endocarditis, heart valves replacement association, man 10448
- endocarditis, man, association lesions, identification echocardiography 6315.
- endocarditis, presentation, backache, man, case reports 3525
- endocarditis, treatment, surgery, heart, man 4460.
- endopthalmitis, association, dental manipulation, man, case reports 978.
- endotoxins, antibodies, immunization (passive), endotoxin shock, cats 664.
- endotoxins, assays, Limulus lysate test, automated methods 1793
- endotoxins, effects on, blood coagulation, chronic myeloid leukemia, man 3143.
- endotoxins, effects on macrophages cell-mediated bone resorption, man 1839.
- endotoxins, inactivation, hydrogen peroxide, use, prophylaxis, periodontal diseases, man 4238
- endotoxins, localization reticuloendothelial system, hepatoma, tissue culture 11570
- endotoxins, macrophages response, mice 4279.
- endotoxins, removal, ultrafiltration, hemodialysis, experimental infection, dogs 1833
- endotoxins, role, immunoglobulins aggregates effects on platelets secretions 491.
- enteritis, factors affecting, military personnel 10371
- enteritis, mixed infection, Coccidia, diarrhea, juveniles, pigs 2343.
- enteritis, relationship, morbidity, mortality, military personnel, reviews 10373.
- enumeration, experimental infection, Pasteurella multocida, fever treatment, effects on, rabbits 2384
- enumeration, fluorescence microscopy, sediments, marine environment 18.
- enumeration, membrane filtration, microscopy, milking machines 2526.
- enumeration, methodology, water 1273.
- enumeration, plate counts, food quality 3751.
- enumeration, river water, sewage effluents 1281.
- enumeration, use bacteriostats, Coulter counters, milk 9519.
- enzymatic activity, soil, mulches effects on 12143
- epiphytes, ecological distribution, phylloplanes 12121.
- epiphytes, Potamogeton crispus leaves, pathology, lakes, South Africa Rep. 13425.
- epizootiology, disease control, domestic animals 10644
- erythrodermatitis, etiology, Cyprinus carpio 4584
- essential oils, antimicrobial activity 7858.
- etiology, breast carcinoma, man 2243.
- etiology, gastroenteritis, children, Trinidad 5312.
- etiology, immune response (cell-mediated), Whipple's disease, bowel, man 2048
- etiology, liver abscesses, man 4516.
- etiology, mucophilosis, Cyprinus carpio 1089.
- etiology, pneumonia, man 789.
- exotoxins, phospholipase C, use, probes, platelets membranes phospholipids organization 11480
- exotoxins stimulation leukocytes, detection, chemiluminescence 10101.
- experimental infection, treatment, amoxicillin± clavulanic acid, animals 10658
- extracts, effects on epithelium keratinocytes 11683.
- eye diseases, distribution, drug sensitivity testing, case surveys 7111
- eye diseases, distribution, screening, case surveys 6852
- eye infection, treatment, topical application, tobramycin, gentamicin sulfate, man 5397
- R factors, plasmids transfer 10058.
- R factors transfer, antibiotic resistance, urinary tract models 7833.
- Fasciola hepatica microflora 13419.
- fatty acids biodegradation 226.
- fecal microflora, cancer patients, characterization 9071.
- fecal microflora, Crohn's disease, man 5266.
- fecal microflora, feeding effects on, infants, man 7962.
- feces, soil pollution, land managment relationship 8202
- feline urological syndrome, epidemiology, etiology, clinical aspects, case reports, cats 10718.
- fermentation detection, lactate dehydrogenase use 12386.
- fever, diagnosis, infants, man, clinical aspects, reviews 9246.
- filtration, anesthesia unit, role, prophylaxis, postoperative infection, pneumonia, man 1975.
- filtration, electron microscopy, ecological distribution, sea water, identification 13514.
- flagella, observation methods 1346.
- Flagellata consumers, population dynamics, fjords 12164.
- flocculants biosynthesis, flocculation activated sludge 7633
- flocculants, effects on population dynamics, Cyclidium, bacteria, continuous culture 2661
- fluoride, oral hygiene, effects on dental disorders, man, Finland 11688.
- fluoride, social hierarchy, effects on dental caries, epidemiology, Finland, children 11689.
- food isolates, potassium sorbate+acids, effects on, in vitro 3082.
- food poisoning, growth, temperature tolerance, sodium chloride, effects on 3840.
- food poisoning, man, case surveys 3366.
- food-borne diseases, outbreaks, food poisoning, diagnosis, etiology, methodology, man 11932

Bacteria, (continued)
- foot infection, incidence, treatment, man 4470.
- L form, mutants, pathogenicity, man 7094.
- L form, protoplasts, identification, culture, clinical aspects 10927.
- fungi, airborne microorganisms, buildings, pigs 3746.
- fungi, dust, composts, mushrooms culture, enumeration 2468.
- fungi, oil biodegradation, railroads soil 7424.
- gangrene, diagnosis, clinical aspects, bladder, man, case reports 4423.
- gas gangrene, association, carcinoma, cecum, man, case reports 2047.
- gastroenteritis, bacteremia, nosocomial infection, epidemiology, man 10506.
- gastroenteritis, etiology, diagnosis, clinical aspects, treatment, children, man 4418.
- gastrointestinal tract diseases, association, diarrhea, pathogenesis, man, reviews 4419.
- gastrointestinal tract, fibers food additives effects on, pigs 8081.
- gastrointestinal tract infection, association, homosexuality, man, British Isles 11760.
- gastrointestinal tract infection, immune response, association, immunodeficiency, man 11577
- gastrointestinal tract infection, man, treatment 10364.
- gastrointestinal tract infection, wound infection, cefoperazone, clinical trials, man 7986
- genetic analysis, mutation, evolution 9836.
- genetic engineering, hormones, vaccines, production 2859.
- genital microflora, females, man 10280.
- genital tract infection, sheep, males, pathology 1055.
- genital tract infection, treatment, diagnosis, females, man 2093.
- genitourinary tract infection, diagnosis, treatment, man 9163.
- genitourinary tract infection, pathology, immunity, pregnancy, man, reviews 2061
- genitourinary tract infection, treatment, man 3395.
- genomes, freeze-fracture, fixation, reviews 7422.
- geotaxis, magnetic fields, reviews 7411.
- Glomus caledonius, cytoplasm, association organelles, characterization 7313.
- glucose, metabolism, acid production, anaerobic conditions, N.M.R. 4070.
- β-D-glucosidase, function, immobilization 7576.
- α-D-glucosidase inhibition, acarbase, association, disaccharides biodegradation, dental plaque, man 13067.
- gramicidin S adsorption 3834.
- ground water, streams, biodegradation, lignocellulose, cinnamic acid 9491.
- growth, activated sludge, stoichiometry, models 2644.
- growth association, wood extracts nutrient sources 12209.
- growth, cell cycle, gene regulation, chronobiology, reviews 10978
- growth, cells, cytoplasm 12424.
- growth, chemostats, kinetics, mathematical models 7476.
- growth, dental restorative materials, man, association, mucosa 11682
- growth, dissolved organic carbon substrates 10973.
- growth, ecology, water potential effects on, reviews 13506.
- growth, effects on, spermatozoa, motility, viability, man 6225.
- growth estimation, statistical analysis 10986
- growth, Glycine max isoflavonoids effects on 12091.
- growth, kinetics, continuous culture, mathematical models 2646.
- growth, marine environment, dissolved organic carbon levels effects on 6433
- growth, measurements, RNA biosynthesis, methodology, evaluation, aquatic environments 2657.
- growth parameters, simulation, mathematical models 1400.
- growth, pH, temperature, salinity, effects on, association, biodegradation, methanol, phenol 7867
- growth rate, mathematical models 5649.
- growth, rumen, cattle, nitrogen sources, effects on 3562.
- growth, rumen, domestic animals, nitrogen sources, effects on 3555.
- growth, seasonal variations, temperature tolerance, freshwater environment 13524.
- growth stimulation, antibacterial activity, Allium sativum extracts 444.
- growth, trimethylamine oxide reduction assays, conductance methodology 9526.
- growth, urine, antibacterial agents, effects on 1759.
- guanosine 3'-diphosphate 5'-diphosphate metabolism, regulation RNA biosynthesis, protein biosynthesis 9648
- gut microflora, cellulose digestion, mutualism, Orthoporus ornatus, Comanchelus 10733
- gut microflora, Charybdis cruciata, Podophthalmus vigil, Scylla serrata, Portunus pelagicus, Portunus sanguinolentus 6385
- halophiles, fatty acid composition, evolution, thin-layer chromatography 1557
- hamsters, animal models, peridontal diseases, bacteria, pathology, jaw, man 11695
- hamsters, Entamoeba histolytica infection, pathogenicity, effects on virulence 10151
- heat resistance, dairy products sterilization, conferences 10842.
- HeLa cells adherence, estrogens effects on 3829.
- heterotrophic microorganisms, aquatic environment, power plants industrial effluents effects on 2486
- heterotrophic microorganisms, diurnal variations, genetic analysis, rivers 2491.
- heterotrophic microorganisms, enumeration, use, nutrients media (culture), rivers 1278
- heterotrophic microorganisms, saline environments, salinity effects on 9631.
- heterotrophs, aquatic organisms, adenine nucleotides metabolism 9812.
- heterotrophs, aquatic organisms, glucose levels 9793.
- heterotrophs, relationship phytoplankton biomass, physicochemical properties, coastal waters 8234.
- Hirondella gigas, microflora, isolation, pressure effects, temperature effects, benthic zone, marine environments 3651.
- histology, acid-fast stain methodology 8271.
- hydrogenation, steroids, gastrointestinal tract, man 1401
- iatrogenic diseases, infants, man, characterization, reviews 7158.
- identification, acridine orange, immunofluorescence 12239.
- identification, association, DNA, packaging, circular intensity differential scattering 12244
- identification, clinical microbiology, veterinary medicine, methodology 4688.
- identification, computer applications 3783.
- identification methodology, pathogens, saprophytes, plants 10891.
- identification, methodology, veterinary medicine 10878.
- identification, milk ring test 9550.
- identification, nosocomial infection, clinical microbiology, man 9567.
- identification, pyrolysis products, gas chromatography 12240.
- identification, role antibiotics treatment, spondylodiscitis, man 5403.
- immobilization, use, carrageenins gels 179
- immune response (cell-mediated), association, macrophages, lymphocytes T, interaction 11567

Bacteria, (continued)
immunity assays, pollutants immunosuppression, animal models 13026.
immunoglobulin A proteinase, characterization, role, infection, man 9728.
imported diseases, gastrointestinal tract infection, monkeys 10694.
inactivation, topical application, induction, immune response, treatment, skin infection, animal models 7934.
IncFI plasmid, morphology, incompatibility 8734.
incidence, dairy industry effluents, Belgium 1241.
incidence, lactic acid utilization, association, pH 10985.
incidence, peat, γ-radiation, sterilization 3702.
incidence, seminal fluid, relationship, infertility, genital tract infection, man 872.
incidence, soil, population dynamics, nutrient availability 12148.
indicator species, growth, water+carbaryl effects on 7423.
indicator species, microbial pollution, surface water, lakes 12178.
indicator species, soil pollution, pigs animal wastes 4632.
industrial wastes pollution effects 2483.
infected, kidney, transplantation, clinical aspects, man 10547.
infection, , pneumonia, cervix, treatment, cefotiam, tonsillitis 3344.
infection, adenoid, man, association, otitis media, treatment, adenoidectomy 10334.
infection, Allium cepa, antibacterial activity, thiosulfonic acid 12948.
infection, Anguilla, diagnosis, indirect fluorescent antibody test 7270.
infection, antibiotic synergism, treatment, man 11996.
infection, antibiotics, selection, treatment, patients, man 11986.
infection, antibiotics treatment, antibiotic resistance, man 13326.
infection, antibiotics treatment characterization, man 12005.
infection, antibiotics treatment, man 9302.
infection, antibiotics treatment, man, reviews 7114.
infection, antibiotics treatment, recommendations, man, surveys 7179.
infection, arthritis, pathology, man 5398.
infection, association, abscesses, medulla oblongata, case reports, sheep 9350.
infection, association, glomerulonephritis, man 5233.
infection, association, hepatitic coma, man 11883.
infection, association, immunosuppression, kidney transplantation, man 8034.
infection, association, neutropenia, man, case surveys 7220.
infection, association, pacemakers, diagnosis, treatment, man 4480.
infection, association, sickle cell disease, children, Zaire 3486.
infection, association, surgery, sisomicin treatment, neonates, children 10629.
infection, augmentin treatment, man 11731.
infection, bone, joints, antibiotics treatment, animal models 5387.
infection, bone, joints, treatment, antibiotics, man 3535.
infection, bone, joints, treatment, osmic acid, man 3536.
infection, Boophilus decoloratus, isolation, pathogens 7293.
infection, Brassica oleracea, Lycopersicon esculentum, herbicides effects on, disease resistance 13433.
infection, Brucella abortus intravenous administration challenge, mice 12073.
infection, cefoperazone, antibacterial activity, clinical trials, man 8046.
infection, cefotaxime treatment, children 6267.
infection, cefotaxime treatment, recommendations, man, reviews 7182.
infection, cefotiam treatment, children 7136.
infection, cell-mediated cytotoxicity, natural killer cells 6899.
infection, central nervous system diseases, cerebrospinal fluid cells, morphology, function, man 9179.
infection, cephalosporins treatment, man, antibacterial activity 11404.
infection, children, antibiotics treatment 10578.
infection, children, endocarditis, characterization 10569.
infection, children, pneumonia, treatment, medicine, China, People's Rep. 10346.
infection, children, treatment, ampicillin+dicloxacillin 11894.
infection, children, vaccination technology 10258.
infection, cinoxacin treatment, pharmacokinetics, man 13306.
infection, clindamycin treatment, conferences 10850.
infection, cotrimoxazole, treatment, prophylaxis, man, in vitro antibacterial activity 11459.
infection, Daphnidae eggs, disease resistance, relationship, food competition 10729.
infection, defense mechanisms, intestinal microflora, gnotobiotics, animal models 8122.
infection, dental pulp, dental manipulation, man, reviews 6960.
infection, dental pulp pathology, animal models 11687.
infection detection, use, C-reactive protein, association, man 12008.
infection, diagnosis, tissues, man 4507.
infection, diagnosis, treatment, cancer patients, children, man 4463.
infection, disease control, horses, conferences 10832.
infection, ear, nose, throat, pathology, etiology, man, reviews 6992.
infection, effects on leukocytes (granulocytic) adherence, endothelium, role, chemotaxis, children 563.
infection effects on plants gene regulation 10755.
infection, effects on, skeletal muscle lactate dehydrogenase, man 7221.
infection, epidemiology, institutions, man, nosocomial environments 2227.
infection, erythromycin, characterization, treatment, antibacterial activity, man 11411.
infection, feeding apparatus, nosocomial environment, man 13271.
infection, foot, man, osteomyelitis, puncture, case reports 10571.
infection, geriatrics, diagnosis, treatment, man, reviews 7164.
infection, Gigartina teedii, induction tumors like growth 10758.
infection, gingiva, adolescence, man 4367.
infection, glucose plasma levels, neonates, man 10630.
infection, Gramineae, symptoms, treatment, oxytetracycline 13443.
infection, gynecology, netilmicin, gentamicin, treatment comparison, man 11793.
infection, immune response, defense mechanisms, man 6905.
infection, immune response, leukocytes (neutrophilic), dialysis, man 7939.
infection, immunity (cell-mediated), animal models, reviews 9017.
infection, immunity, man 6901.
infection, immunity role leukocytes (polymorphonuclear), man 6105.
infection, immunocompromised hosts, incidence, prophylaxis, man, reviews 5372.
infection, incidence, hospitals, man, Norway 5421.
infection, incidence, man, institutions, USA, New York, surveys 1011.
infection, infants, man, diarrhea 11758.
infection, infants, man, synthetic artery 11877.
infection, joints, bones, association, immunodeficiency, man 5391.
infection, joints prothetics, man, rheumatoid arthritis, association, leukocytes (granulocytic) response 10491.
infection, lactobacillins treatment, man 13305.
infection, lymphoma, granuloma, coexistence, clinical aspects, histology, case reports, man 11951

Bacteria, (continued)
infection, Macaca fascicularis, diseases characterization 9344.
infection, man, acne, clindamycin treatment 11661.
infection, man, antibiotics treatment, reviews 9265.
infection, man, Australia, disease control, immunization, reviews 9056.
infection, man, brain abscesses, case surveys 10493.
infection, man, bronchopneumonia, immune response, leukocytes (granulocytic) 13041.
infection, man, diagnosis, computer programs 12201.
infection, man, differential diagnosis 12006.
infection, man, disease spread, spatial distribution, mathematical models 10465.
infection, man, endocarditis, association, aseptic meningitis 11887.
infection, man, endocarditis, clinical aspects 10575.
infection, man, endocarditis, clinical aspects 11886.
infection, man, endocarditis, diagnosis, treatment, pathology, conferences 10846.
infection, man, eye diseases, antibiotics treatment 10492.
infection, man, iron effects on, leukocytes (polymorphonuclear), bacteria growth 10459.
infection, man, liver abscesses, treatment 8061.
infection, man, meningitis, moxalactam treatment 9168.
infection, man, moxalactam treatment 9221.
infection, man, otitis media, treatment, antibacterial agents 10337.
infection, man, otitis media, treatment, antibiotics, surgery 11863.
infection, man, peritonitis, association, systemic lupus erythematosus 10497.
infection, man, pneumonia, association alcoholism 9089.
infection, man, pregnancy, antibiotics treatment 9256.
infection, man, sepsis, association, somatotropin activity, role, glucose 11874.
infection, man, septic shock, treatment 13320.
infection, man, sexually-transmitted diseases, drugs treatment, reviews 11859.
infection, man, skin diseases, treatment, conferences 10827.
infection, man, skin diseases, treatment, conferences 10834.
infection, man, treatment, aminoglycoside antibiotics, characterization 9939.
infection, man, treatment, mezlocillin, comparison, carbenicillin 10595.
infection, man, treatment, trimethoprim+sulfonamide, antibiotic synergism, association urine 8757.
infection, mice, solid tumors effects on disease resistance 11569.
infection, Morone saxatilis, aquaculture 9342.
infection, neonates, horses 10669.
infection, neonates, man, diagnosis, nitroblue tetrazolium test 13273.
infection, netilmicin treatment, man 10617.
infection, neutropenia, man, hospitals, protected environments, effects on 2313.
infection, oropharynx, respiratory tract, association, neutropenia, leukemia, man 6156.
infection, pathogenesis, plants 13421.
infection, penicillinase measurements, use diagnosis, man 10489.
infection, piperacillin treatment, man 9210.
infection, presentation, intestine sarcoma, immune response, man, case reports 827.
infection, prophylaxis, antibiotic therapy, laminar air flow, nosocomial environments, leukemia, man 3450.
infection, prophylaxis, man 11933.
infection, prophylaxis, man, reviews 11980.
infection, quantitation methodology, association, Septicemia, man 13347.
infection, rats neonates, sepsis, leukocytes (neutrophilic) levels 13022.
infection, rats, sepsis tolerance, hemoglobin chemical modification effects on 11876.
infection, rats, zinc bacitracin, antibacterial activity inactivation 10052.
infection, renal insufficiency, antibiotics pharmacokinetics, man 12004.
infection, respiratory, oral cavity, spiramycin treatment, man 10314.
infection, respiratory tract, skin, treatment, josamycin, neonates, man 10310.
infection, respiratory tract, urinary tract, gastrointestinal tract, treatment, antibiotic 6059-S, children 2016.
infection, respiratory tract, urinary tract, treatment, cefotiam, children 3339.
infection, rifampicin treatment, man, biosynthesis, characterization, Streptomyces mediterranei 11368.
infection, role, antibody-dependent cell-mediated cytotoxicity 8968.
infection, Saccharum officinarum, diseases, reviews 9386.
infection, tetracyclines treatment, man 11942.
infection, travellers, immunization, prophylaxis 13053.
infection, treatment, β-lactam antibiotics, side effects, man, case surveys 9314.
infection, treatment, antibiotic 6059-S, children 1752.
infection, treatment, antibiotic 6059-S, children 2134.
infection, treatment, antibiotic 6059-S, children 2316.
infection, treatment, antibiotic 6059-S, children 2320.
infection, treatment, antibiotic 6059-S, man 1744.
infection, treatment, antibiotic 6059-S, pharmacokinetics, children 2318.
infection, treatment, antibiotics 13287.
infection, treatment, cefadroxil, man 3015.
infection, treatment, cefadroxil, man 3016.
infection, treatment, cefadroxil, side effects, children, man 4479.
infection, treatment, cefadroxil, side effects, children, man 4534.
infection, treatment, cefoperazone, man 7091.
infection, treatment, cefotaxime, man 1730.
infection, treatment, cefotiam, children 1025.
infection, treatment, cefotiam, children 2223.
infection, treatment, cefotiam, man 2191.
infection, treatment, cefotiam, mice, rats, guinea-pigs 6798.
infection, treatment, ceftazidime, man 5439.
infection, treatment, ceftazidime, man 5443.
infection, treatment, ceftriaxone, man 8047.
infection, treatment, ceftriaxone, man 8051.
infection, treatment, cefuroxime, neonates, man 8075.
infection, treatment, clinical trials, cefotaxime, man 11969.
infection, treatment, clinical trials, netilmicin, man 11964.
infection, treatment, cotrimoxazole, ampicillin, erythromycin, Kelfiprim, children 9242.
infection, treatment, man, conferences 10836.
infection, treatment, moxalactam, man 8052.
infection, treatment, netilmycin, neonates, man 3443.
infection, treatment, tetracyclines, man 3459.
infection, vancomycin treatment, man, susceptibility, antibacterial activity 11413.
infection, ventriculitis, treatment, amikacin, pharmacokinetics, children 3411.
infection, Zea mays, diagnosis, pathology 8140.
infectious diseases, blood donors, vaccination 12012.

Bacteria, (continued)
infectious diseases, effects on, immune response, fat metabolism, man, reviews 13032.
infectious diseases, role, glucocorticosteroids, man 13274
infection, prophylaxis, tooth, adolescence, children, man 4368
interaction, Euglena spirogyra, Ellipsoidion, continuous culture 3770
interaction, fungi, wood colonization 6818.
interaction, protozoa, soil 13505
interaction, Protozoa, symbiosis, characterization 7310
interspecific relationships, metamorphosis, settling behavior, substrate specificity, Janua brasiliensis 2499
intestinal microflora, dietary intake effects on, composition, metabolism, man, reviews 13065
intestinal microflora, feeds, cellulose levels effects on, mice 1048
intestinal microflora, mice 2329
intestinal microflora, rats 4541
intestinal microflora, relationship, induction, 1,2-dimethylhydrazine carcinogenesis, rats 5448
intestinal microflora, role, steroids hypertension, animal models 9072.
intra-abdominal infection, diagnosis, treatment, association, survival, man 12018.
intracellular killing, leukocytes (granulocytic), role, opsonins, immunoglobulins, complement 562.
intracellular water activity determination 2654
ions pumps, currents, reviews 12286
irradiated, hydroxyl radicals effects on 5983
isobutyric acid transformation 214.
isolates, lakes, metabolism, growth, carbon sources 2640
isolates, marine environments, succinate dehydrogenase, electron transport, sodium ions, effects on 2677
isolation, ash, soils (volcanic), growth conditions, factors affecting 13515
isolation, Bactec test media (culture) 4659
isolation, characterization, activated sludge 46.
isolation, characterization, malolactic fermentation, wine 32
isolation, characterization, soft tissues infection, cats, dogs 9570
isolation, Fastidious anaerobe broth, blood culture 7357
isolation, glycopeptides, antibacterial activity, in vitro, amniotic fluid, man 10047
isolation, intrauterine devices, association, pelvic inflammatory disease, man 10395
Isolation, pressure tolerance, deep sea, Hirondellea gigas carcasses 10805
isolation, respiratory tract, swabs, media (transport), man 10858
isolation, survival, man semen, association, freezing 2519
isolation, ultrastructure, milky disease, Aphodius tasmaniae, Tipula paludosa 5490
joints infection, diagnosis, clinical aspects, immune response, man, conferences 5550
joints infection, treatment, surgery, man 3523
12-ketochendeoxycholic acid production 11249
kidney diseases, prophylaxis, erythromycin, eggs, Oncorhynchus kisutch, factors affecting 3588.
kidney diseases, Salmonidae, detection, agglutination, Staphylococcus antibodies 6027
killed, digestion, germfree rats 1126
kirromycin effects on protein biosynthesis, ribosomes 11079
β-lactam antibiotics antibiotic resistance, penicillin-binding protein 5940.
β-lactam antibiotics antibiotic resistance, plasmids, penicillinase, membrane permeability 5941
β-lactamase inhibition, penicillins treatment, antibacterial activity 12605
lakes sediments, factors affecting methanogenesis 13526
leaf spot, Cucumis melo, symptoms, susceptibility 9400
leukocytes antimicrobial activity, povidone-iodine effects on 11580
lignin fragments biodegradation, anaerobic conditions 12370
lignin manomers biodegradation, aromatic compounds production 11003
like Yersinia enterocolitica, aspartate carbamoyl transferase, isolation, characterization 205.
lipid metabolism enzymes, comparison amino acid composition, evolution 7560
lipids biodegradation 12364
lipolysis, proteolysis, marine environments, Japan, association, animals cadavers decomposition 8458
lipopolysaccharides, antibody response, idiotypes, antigen-antibody complexes, mice 11625
lipopolysaccharides, effects on leukocytes (neutrophilic) oxidative metabolism, man 7926
lipopolysaccharides, effects on nucleotides biosynthesis 496
lipopolysaccharides, immune response, mice, characterization 8967
lipopolysaccharides, immunostimulation, macrophages, coagulation, membranes, role, endotoxin shock, rabbits 4272
lipopolysaccharides, induction DNA antibodies, role DNA injections 7944
lipopolysaccharides, induction histamine release, mast cells, role periodontal diseases, rats 7927
localization, joints, arthritis, Yersinia enterocolitica, man, case reports 3495
luciferase, mechanisms, reviews 9784
luciferase, 2,2-diphenylpropylamine binding effects on activity 1423
lung, cattle, mixed infection, parainfluenza virus 3+Pasteurella haemolytica, Corynebacterium parvum effects on immune clearance 13034
lung diseases, association, Hodgkin's disease, diagnosis, case reports, man 7969
lung infection, susceptibility, mice, pollutants aerosols effects on 11727
lymphatic system, role, immune clearance, soft tissues infection, rabbits 10235
lyophilization effects on DNA repair, reviews 5704
L-lysine biosynthesis 7528
lysis, colonization, Phytophthora cinnamomi, Eucalyptus marginata leaf litter 1155
lysis, phages, soil, herbicides effects on 8197
macrolide antibiotics resistance, tylosin derivatives synthesis structure-activity relationships 12908
macromolecules biosynthesis, ethionine, methionine analogs, reviews 9687
macromolecules composition, mathematical models, in vitro 10998
macrophages infection, immunopathogenesis, Whipple's disease, electron microscopy, man 6061
magnetic fields, taxis, characterization 6498
malate dehydrogenase, purification, characterization 12608
L-malic acid fermentation, detection, lactate dehydrogenase use, microorganisms 12386
man, brain abscesses, treatment, surgery 13221
man large intestine, fermentation, in vitro 4357

Bacteria, (continued)
man, otitis media, pathogenesis, role, middle ear immune response 8999.
manure pathogens, factors affecting soil survival 10789
marine environment, cyclic AMP uptake 4771.
marine environment isolates, metabolism, carbon sources effects on 4746
marine environment isolates, plasmids, role hydrocarbons biodegradation 8412
marine environment, substrate specificity, enumeration, use, microscopes 1276.
marine microorganisms, colonization, paints+antifouling agents 10806.
mastitis, disease control, cattle 3608
mastitis, factors affecting, drugs treatment, cattle 13381.
mastitis, milk production, diploidy enumeration, cattle 13398.
media (culture), composition, preparation, methodology 10863.
media (culture), formaldehyde, sterilization 12219
media (culture), role, cosmetics preservatives neutralization 8259.
membrane vesicles, dihydrostreptomycin effects on active transport 9581.
membranes, counting methods, membrane filtration, fluorescence 12214.
membranes, viruses adsorption, fluorescence 2684
menaquinone biosynthesis, reviews 11031.
meningitis, ampicillin+chloramphenicol, cefuroxime, treatment comparison, man 13218.
meningitis, antibiotics treatment, man 9178.
meningitis, association, deafness, ataxia, children 9176.
meningitis, association, hearing loss, children, infants, man 7065.
meningitis, association sinusitis, man, case reports 9172.
meningitis, cerebrospinal fluid, lactic acid, role, diagnosis, man, case reports 2129.
meningitis, diagnosis, treatment, man 9171.
meningitis, diagnosis, use, bromide partition test, children 8017.
meningitis, epidemiology, man 6240.
meningitis, etiology, infants, reviews 2131.
meningitis, recurrent infection, pathology, case reports, face, children 11843
meningitis, treatment, children, reviews 11848
metabolism, abundance, pollution effects, zinc 1229.
metabolism, cell division, growth, conferences 13543.
metabolism, organic compounds, biodegradation, eutrophic environment, lakes 12161.
methane conversion methanol 11246
methane production, physiology synergism 9813
Methanobacterium bryantii, yeasts, ribosomal proteins, antigenic characteristics, taxonomic significance 1481
methanol biosynthesis 1575
methoxatin association alcohol dehydrogenase, mechanisms 7559
methoxychlor biodegradation, mechanisms, aerobic conditions, anaerobic conditions 8402
methoxylated aromatic acids metabolism 119
Micro-ID test, identification, temperature effects 1306.
microflora, Boeckosimus affinis, symbiosis 10734.
microflora, carcinogenesis, colon, man, reviews 13159.
microflora, leaves, Pinus nigra, heavy metals air pollution effects on 6410.
microflora, man, carcinoma treatment, prophylaxis effects on 9067
microflora, maxillary sinus, man 673
microflora, maxillary sinus, monkeys 9330
microflora populations, phylloplane, U.V. radiation sterilization 10875.
microflora, relationship, biocides, swimming pools, Australia 2479
microflora, reproductive organs, incidence, cattle 12043.
microflora, root rot, Medicago sativa 6394
microflora, vagina, association, menstrual cycle, association, catamenial products use, man 10283
microflora, vagina, association, menstrual cycle, man 10281.
microorganisms, identification, methodology, reviews 2562.
mixed culture, biodegradation, crop residues, calorimetry 10989
mixed culture, +Candida, drug sensitivity testing effects on sterols, biosynthesis 5988
mixed culture, fungi, nitrogen fixation, hydrogen production 12726
mixed infection, treatment, antibiotic sensitivity testing, diabetes mellitis, ulcers, foot, man 3507
models, dynamics, electron transfer, reaction centers, photosynthesis 8476.
models, factors affecting biomass, association RNA structure 12461.
monitoring, growth, oxygen, temperature 4652.
morpholine biodegradation, characterization 8426
morphology, infection, macrophages, bone marrow, Cyclura cornuta 10700
morphology, vacuum effects on 12299.
mucosa skin diseases, man, reviews 13087
mutagenesis, role tumorigenesis mammalian cells, toxicity testing 5569.
mutants, antibiotic resistance, pathogenicity 6822
mutants, drug resistance, pathogenicity, plasmids, genetic factors 6716.
mutants, enzymes, colonial characteristics, autoradiography, methodology 1284
mutants, macrolide antibiotics biosynthesis, screening methodology 5042
mutation, N-nitrosodimethylamine, aminopyrine+nitrite, ascorbic acid effects on, mice 1628
Mycobacterium chelonei like, peritonitis, association, peritoneum dialysis, man 3482
myocarditis, infants, man 9235
neoplasia, cefuroxim treatment, infection, man 12011
nephritis, pathology, man, case reports 871
neuraminidase, enzyme kinetics, N-acetylneuraminic acid, N-glycolloylneuraminic acid 1527
new species, new family, new taxa, characterization 12266
nitrate reduction, detection methodology 4697
nitrification, ammonium oxidation, marine environment 10804
nitrification, most probable number, soil, sediments 6414
nitrogen fixation, genetic engineering, transposons, recombination, RNA biosynthesis, books, conferences 10833
nitrogen fixation, measuring techniques, use, acetylene reduction 10865
nitrogen fixation, pathogenesis, plants infection, books, conferences 13544
nitrogen fixation, sediment composition, lakes, British Isles 6432
nitrogen fixation, soil, forests 8179
nitrogen uptake 101
nitrogenase activity, nitrogen fixation, salt marshes, Phalaris arundinacea, Pharagmites australis 9451
nosocomial infection, antibiotic resistance, man 10006
nosocomial infection, biotyping, serotyping, epidemiology, methodology 9577
nosocomial infection, clinical aspects, disease control, children 10519
nosocomial infection, epidemiology, disease control, man 11977
nosocomial infection, etiology, clinical aspects, man 7192
nosocomial infection, immunocompromised hosts, disease control, incidence,

Bacteria, (continued)
diagnosis, man 10513.
nosocomial infection, isolation, hospitals, control programs, man 10581.
nosocomial infection, man, antibiotic resistance, disease control 11423.
nosocomial infection, neonates, man, characterization 11878.
nosocomial infection, nosocomial environments, disease control, immunocompromised hosts, antimicrobial resistance, man, conferences, books 10835.
nosocomial infection, surgery, mezlocillin, +oxacillin treatment, man 12016.
nosocomial infection, surveillance, control, man, hospitals, Scandinavia 10546.
nuclei, cold resistance, association, frost damage, Citrus 2560.
nucleoids, electron microscopy, methodology 12221.
nutrient dynamics, physicochemical properties, freshwater ecosystems, microcosms 9488
nutrient sources, phytoplankton exudates, size distribution, coastal environment, eutrophic environments 12163.
occurrence periodontium, periodontitis, children, effects on leukocytes (polymorphonuclear) 6154.
odor control, antibacterial activity, mouthwashes, man 3260.
oil biodegradation, distribution, USSR rivers 13516.
oil biodegradation, surfactants effects on 7438.
oligotrophy, reviews 12360.
opportunist infection, diagnosis, man, Papua New Guinea 11950.
opportunist infection, immunocompromised hosts, cancer patients, chemotherapy 11922.
opportunist infection, man, prisons, incidence 13332.
opsonization, killing, phagocytosis, leukocytes (polymorphonuclear), antimicrobial agents effects on 10241.
oral hygiene effects on, gingivitis, dental caries, man 11685.
oral infection, man, antibiotics treatment 10305.
oral microflora, antimicrobial agents, oral administration, effects on, man, reviews 719.
oral microflora, association, stomatitis, Serpentes, zoological gardens, USA, Tennessee 8121.
organic matter, production, biodegradation, lakes 13507.
osteitis, pubic bone, pathology, treatment, man 3537.
osteomyelitis, pathogenesis, treatment, children 10614.
otitis media, association, effusion, etiology, children 11745.
otitis media isolates, characterization, antibiotic sensitivity testing, man 2006.
otolaryngeal infection, man, antibiotics treatment 10323.
otolaryngeal infection, man, clinical aspects 11913.
oxidation, alkanes, mechanisms, reviews 12365.
parasites, Phaeophyta, pathology 13456
parathion hydrolase production, culture 194.
pathogenicity effects on, Beta vulgaris crop production 13451.
pathogenicity, Insecta, books 9497.
pathogenicity, mutation 11287.
pathogenicity, role, proteinase, detection, egg yolk agar 2513.
pathogens, animals, detection, reviews, serological tests 11529.
pathogens, crop plants, reviews 13424.
pathogens, food poisoning, food contamination, hygiene, food processing 13158.
pathogens, hypersensitive response, defense mechanisms, plants 13420.
pathogens, infection, cattle, reviews 9349.
pathogens, Invertebrata, reviews 9378.
pathogens, microflora, classification, characterization, man 11967.
pathogens, nose carriers, man, Papua New Guinea 11945.
pathogens, plants, survival, host-pathogen interactions 9418.
pathogens, resistance mechanisms, β-lactam antibiotics, reviews 5918.
pathogens, water pollution, epidemiology, coastal waters 6254.
penicillin resistance, urinary tract infection, treatment, amoxicillin± clavulanic acid, man 11805.
penicillinase biosynthesis, detection methodology 1515.
penicillinase detection, methodology, iodometry 4864.
penicillinase, inhibitors, antibiotic resistance, infection, treatment, man 7137.
peptidoglycans precursors, fractionation, high-pressure liquid chromatography 8516
pericarditis, diagnosis, clinical aspects, infants, man 8065.
peridontal diseases, pathology, jaw, animal models, man 11695.
periodontal diseases, antibiotics, treatment, reviews, man 6954.
periodontal diseases, association, urticaria, man, case reports 9083.
periodontal diseases, epidemiology, Sweden, adolescence 11693.
periodontal diseases, pathology measuring techniques, man 13097.
periodontal diseases, treatment, man, case reports 4371.
periodontal diseases, treatment, man, case reports 4372.
periodontitis experimental infection, association, indomethacin effects on alveolar bone, animal models, man 13116.
periodontitis, immune response (humoral), enzyme-linked immunosorbent assay, immunoglobulin A, immunoglobulin G, man 10178.
periodontitis, immunopathogenesis, diploidy antigens role, man 11551.
periodontitis, leukocytes (polymorphonuclear), chemotaxis, defects, genetic relationship, man 3291.
periodontitis, treatment, antibacterial activity, stannous fluoride, man 1955.
Peritoneal diseases, diagnosis, clinical aspects, man 10611.
peritonitis, abdomen sepsis, treatment, high-dose tobramycin, ± clindamycin, ± , lincomycin, man 3465.
peritonitis, association, hemodialysis, man, case reports 3458.
peritonitis, characterization, immunocompromised hosts, man 10173.
peritonitis, diagnosis, clinical aspects, man, reviews 7196.
peritonitis, diagnosis, dialysis, case reports, man 9280.
peritonitis, role, circulatory system shock, man 3441.
peritonitis, surgery treatment, man, case reports 10563.
peritonitis, toxins isolation, experimental infection, dogs 1821.
peritonitis, treatment, cefazolin, ceftizoxime, man, clinical trials 2321.
phage Mu, prophages, lysogeny, genetic analysis, biochemical analysis 8721.
± phages infection, proteolysis, genetic control 7657.
phagocytosis, leukocytes (neutrophilic), monocytes, lung macrophages 4322.
phagocytosis, macrophages, kinetics, morphology, rats 588.
phagocytosis, phagocytes, immune response, defense mechanisms 6898.
phophoenolpyruvic acid association hexose transport systems, role enzymes phosphorylation 8355.
phosphates, transport, mutants, alleles, genetic analysis 1355.
phospholipase C, effects on sphingomyelin hydrolysis 12652.
phospholipids, antigenic relationship, taxonomic significance 8322.
phospholipids, effects on macrophages activity, mice 7947.
phosphorus precipitation use aluminum chloride effects on 3741
photosynthesis, reaction centers, N.M.R. 12481

Bacteria, (continued)
photosynthetic apparatus, photophosphorylation, evolution 6564.
phytotoxin biosynthesis, association, Pierces' disease, plants 11486.
Pierce's disease, relationship Citrus blight 13441.
Pierce's disease, Vitis, climatic conditions effects on infection 9390.
pili, spikes, structure, helix proteins 1375.
pipemidic acid, drug sensitivity testing 1762.
plagues, epidemiology, aircraft role, man 13300.
plant diseases, Citrus, incidence, Bolivia 9405.
plant diseases, conferences 13547.
plant diseases, disease resistance, conferences 13548.
plant diseases, inoculation equipment 9395.
plant diseases, seed-borne diseases, detection 13429.
plant extracts, antibacterial activity, Oenanthe javanica oils 7855.
plants, cell walls, biodegradability, role rumen microorganisms 6324.
plasmid Rts 1, restriction endonuclease mapping, cloning 12830.
plasmids, cloning, hepatitis A virus genomes 9870.
plasmids DNA, purification 7687.
T plasmids incidence, relationship, phage t infection 4986.
pneumonia, amoxicillin treatment, man 11739.
pneumonia, antibiotic resistance, treatment, man 6969.
pneumonia complications, mortality, geriatrics 13146.
pneumonia, complications, pneumothorax, dogs, case reports 2382.
pneumonia, man 9100.
pneumonia, pathology, pneumothorax assocaition, case reports, dogs 8092.
pneumonia, treatment, cephalosporins, dogs 2375.
pneumonia, treatment, cephalosporins, dogs 8093.
pneumonia, treatment, man 13137.
polyarthritis, etiology, animal models 5363.
population density, sediments, marine environment 8205.
population dynamics, continuous culture, bacteria flocculants effects on 2661.
population dynamics, nutrient dynamics, roots exdudates, rhizosphere, crop plants 13462.
population dynamics, streams, alpine environments 7338.
populations, roots, Triticum, nitrogen sources, potassium, nutrition, aeration, effects on 3706.
populations, roots, Triticum, nutrient deficiencies, effects on 3705.
postoperative infection, association, molars ablation, treatment, phenoxymethylpenicillin, azidocillin, man 10499.
postoperative infection, cerebrospinal fluid shunts, hydrocephalus, children 2261.
postoperative infection, man, characterization 10632.
postoperative infection, man, surgery, antibiotics treatment 10580.
postoperative infection, prophylaxis, cephazdin± metronidazole, man 2287.
postoperative infection, prophylaxis, povidone iodine, topical application, man 3543
postoperative infection, surgery, man 2319.
postoperative infection, treatment, heart, man 3475.
postoperativeinfection stomach microflora, gastrointestinal tract surgery, man 668.
predation, Saprospira grandis 2424.
presentation Rickettsia, phony disease, peaches, scald, plums, etiology 6402.
productivity, deposit feeding effects on, intertidal environment, Amphibola crenata, New Zealand coastal environment 8189.
products, association, lymphocytes transformation immunomodulation, man 10201.
proliferation, intestine, neonates, man, colostrum feeding regimens effects on 11655.
propagules size, relationship, population density, soil 2461.
prostatitis, diagnosis, radioimmunoassay, solid phase methods, man 8911.
prostatitis, treatment, carbenicillin derivatives, man 2084.
protein biosynthesis, dietary intake effects on, cattle 10638.
protons pumps, adenosinetriphosphatase, characterization, genetics 5751.
protons transport coupling ATP synthesis, reviews 12287.
protozoa, food chains, dissolved organic carbon, carbon cycle, energy flow, macrophytes leachates 10814.
+Protozoa, fungi, rhizosphere, Bouteloua gracilis, observation methods 4621.
pseudomembranous colitis, pathogenicity, treatment, man 11772.
pyelonephritis, presentation, abscesses, kidney, man 3389.
quinones distribution, taxonomy 5598.
radioactive labelling, comparison, radioisotopes, reviews 8274.
radioresistance, Micrococcus radiodurans, Nocardia, Candida parapsilosis, Bacillus pumilus, isolation, textiles 5978.
Rana pipiens intestinal microflora, fasting, cold, effects on 8084.
Rana pipiens large intestine, association, hibernation 8083.
rats intestinal microflora, role, pentane production, respiration gases 13364.
receptors, structural proteins, characterization, reviews 9587.
recolonization, succession, fires, Pinus kesiya, forests 10802.
recurrent infection, children, +immunoglobulin A immunodeficiency, effects on leukocytes (neutrophilic) chemotaxis 10631.
recurrent infection, immune response, leukocytes (polymorphonuclear), monocytes, clinical aspects, infants, man 6069.
reduction, lakes sulfur, sediments, lakes 8226.
Reiter's disease, etiology, physiopathology, factors affecting, man 11949.
resistance, metals, rivers sediments isolates, polluted environments 8860.
respiration, urea hydrolysis, effects of soil moisture, Pinus banksiana 5513.
respiratory tract, antibacterial activity, β-lactam antibiotics, erythromycin, man 805.
respiratory tract diseases, candidiasis, treatment, flucloxacillin, children 3315.
respiratory tract infection, antibiotic sensitivity testing, methodology 11376.
respiratory tract infection, children 9124.
respiratory tract infection, diagnosis, children 11741.
respiratory tract infection, diagnosis, clinical aspects, man 10348.
respiratory tract infection, effects on lymphocytes T, lymphocytes B, subpopulations, blood levels, association, atopy, children 10179.
respiratory tract infection, etiology, diagnosis, man 751.
respiratory tract infection, factors affecting morbidity, children, Canada 10326.
respiratory tract infection, man, characterization 11700.
respiratory tract infection, otitis media, treatment, cefaclor, cephalexin, man 4382.
respiratory tract infection, sisomicin treatment, man 10351.
respiratory tract infection, treatment, amoxicillin+bromhexin, adults, man 3348.
respiratory tract infection, treatment, amoxicillin+bromhexin, children 3349.
respiratory tract infection, treatment, ampicillin, comparison, bracen, children 9111.
respiratory tract infection, treatment, cefadroxil, side effects, children, man

Bacteria, (continued)
4407
respiratory tract infection, treatment, cefoxitin, side effects, man 4403.
respiratory tract infection, treatment, ceftazidime, man 5300.
respiratory tract infection, treatment, ceftazidime, man 5301.
respiratory tract infection, treatment, ceftazidime, man 5302.
respiratory tract infection, treatment, cotrimoxazole, comparison, bracen, children 9113
respiratory tract infection, treatment, erythromycin, comparison, cotrimoxazole, amoxicillin, children 11733
respiratory tract infection, treatment, penicillin, comparison, bracen, children 9115.
respiratory tract infection, treatment, sulfonamides, man 3328.
respiratory tract infection, urinary tract infection, antibiotics treatment, man 10355.
respiratory tract, urinary tract, infection, treatment, cefadroxil, side effects, children, man 4404
Reticulitermes flavipes gut, uric acid recycling 5488
rhizoplane microorganisms, Zostera marina, chemotaxis, amino acids 1177.
rhizoplane, Zostera marina, Halodule wrightii, sediments, heavy metals sensitivity, estuaries, USA, North Carolina 7344.
rhizosphere, antibiosis, Pseudomonas, in vitro, effects on, Solanum tuberosum, growth 2427
rhizosphere, effects on growth, Solanum tuberosum, Raphanus sativus 1213.
rhizosphere microorganisms, Pisum sativum, foliar applications, antibiotics, gibberellic acid, effects on 10769
rhizosphere microorganisms, Plantago lanceolata, abundance, factors affecting 1161.
rhizosphere microorganisms, powder, effects on Solanum tuberosum, plants growth 8269.
ribosomal protein L7/L12, ribosomal subunit 50S, rRNA, structure 8508
ribosomal subunit 30S, rRNA 16S, conformation, hydrodynamics shape 4806
RNA biosynthesis, DNA biosynthesis, nucleic acids, radioactive labelling 12511.
RNA biosynthesis, measuring techniques, aquatic environment 1443.
RNA biosynthesis, measuring techniques, aquatic environment 1452.
RNA polymerase, mechanisms, reviews 7620.
RNA polymerase subunits, interaction, lac UV5 promoter 2790.
rRNA 5S genes DNA nucleotide sequence, homology mitochondria, man 5726.
rRNA 5S, rRNA 5.8S, nucleotide sequence, secondary structure, evolution, comparison eukaryotes 8499
role, chromium concentration, Melice crassa 6389
role, Crohn's disease, man, reviews 809
role, phytoalexins induction, plants, antibacterial activity 8147
role, polysaccharides biodegradation, soil, USSR 10991
roots infection, acid rain, effects on soil nutrients, dieback, Abies alba 10756
roots infection, effects on nutrients uptake, dieback, Abies alba 12088
rumen, feeds biodegradation, in vitro 9627
rumen microoganisms, phelonic acid effects on, growth, cellulase activity 11017.
rumen microorganisms, Aepyceros melampus, diets effects on 8082.
rumen microorganisms, buffaloes, growth, relationship, diet 2332.
rumen microorganisms, cellulase, biosynthesis, enzymatic activity 1504
rumen microorganisms isolates, carbohydrates media effects on enzymes glycosylation activity 9789
rumen microorganisms, polysaccharides degradation enzymes biosynthesis, association, carbohydrates media 9780.
saliva, man, chlorhexidine gluconate, alexidine, mouthwashes, effects on 733
Salmo gairdneri microflora, temperature effects on 12034
salpingitis, uterus, association, intrauterine devices, man, case reports 2096
samplers, deep sea, methodology 1237
sand aggregation, role dune stabilization 9479
saprophytes, sewage, survival, adaptations 2477
saprophytes, vertical distribution, Indian Ocean 12174
secondary metabolism 10976
secondary metabolism, association, growth, development 8467
secondary metabolism, regulation 10977
sepsis, antibiotics, treatment, association, leukocytosis, fever, man 13316
sepsis, association, amniotic fluid, infection, neonates, man 11935
sepsis, association, diabetes mellitus, foot, man 4513
sepsis, immune response, children 10205.
sepsis, man, etiology, clinical aspects 13278.
sepsis, phenylphrine treatment, effects on circulation, man 13336
sepsis, treatment, injecto fructus aurantii immaturus, side effects, man 4474
septicemia, association, lymphocytes T lymphoma, man 5375.
septicemia, association, rhabdomyolysis, myoglobinuria, renal failure, incidence, man 12023
septicemia, cefoperazone, clinical trials, man 8050
septicemia, diagnosis, blood culture, methodology 7371
septicemia, nosocomial infection, Epidemiology, man 1042
sexually-transmitted diseases, incidence, prophylaxis 6249
Shigella, Campylobacter, fluids, rehydration, diarrhea, treatment, 10363
silver nitrate antimicrobial activity 7862
sinusitis, children, treatment 13134
sinusitis, man 764
skin diseases, epidemiology, children, Brazil 11664
skin diseases, incidence, man, Ethiopia 6940
skin infection, treatment, gentamicin+miconazole+betamethasone, man 5271.
skin microflora, psoriasis, treatment, man 13077
skin microflora, relationship, postoperative infection, man 676
sodium nitrite+pH inhibition catalase 11135.
soil, aflatoxin B_1, effects on, 3683
soil, carbon sources, seeds germination exudates 13500.
soil, chitin biodegradation 4747.
soil isolates, pathogenicity, rats, man 9295
soil isolates, Pseudomonas, naphthalene biodegradation, nitrogen sources, effects on 2662.
soil microorganisms, biodegradation, 2,4-D, relationship population density, Canada 1194
soil microorganisms, detergents, soil characteristics, effects on 415.
soil microorganisms, fungicides effects on population dynamics 5512.
soil microorganisms, growth, cadmium, pollution effects 1175.
soil microorganisms, incidence, population dynamics, media (selective) 8194.
soil microorganisms, metabolism, association, environments, USA, Colorado 6518.
soil microorganisms, pollution effects, chromium 1174.
soil microorganisms, pollution effects, pesticides 1209
soil microorganisms, soil amendment, slurries, animal wastes, effects on 8196.
soil microorganisms, succession, composts effects on 1202.

Bacteria, (continued)
soil microorganisms, temperature effects on ammonia utilization 13467.
soil microorganisms, temperature effects on respiration 13466.
soil microorganisms, terbacil effects on 1215.
soil, vitamins production, association, solubilization, calcium phosphate 6425.
Solanum tuberosum ring rot, cross-reactivity, Corynebacterium sepedonicum antisera 13447
solubilization, biodegradation, phosphates 7445.
source, route, postoperative infection, man 2289.
species composition, community composition, seasonal variations, lakes 9494.
species composition, pollution effects, lakes 8221.
specimens, clinical microbiology, handling, processing, methodology 10859.
spines, dissociation, reassociation, factors affecting 12318.
spores, heat resistance 8390.
spores, sporicides, books 12190.
spores, ultrastructure, mummy skin isolates 7413
square, gas vacuoles, ultrastructure 6492.
staining, cytology, observation methods, microscopy, plants 12215.
starter cultures, proteolytic enzymes, characterization 5785.
stimulation, Hylemya antiqua oviposition, Allium 1248.
Streptococcus mutans, identification, gas chromatography 2548.
substances uptake, continuous culture, mathematical models 12308
sucrose effects on dental caries, epidemiology, children 11696.
sucrose effects on dental caries, relationship, meals, children, Israel 11691.
sugars osazones, antibacterial activity 10044
sulfate reduction, water, sediments, lakes, seasonal variations, temperature effects 3738.
sulfur cycles, seasonal variations, marine environment 5544
surface charge, assays, chromatography 4728.
surfactants biosynthesis, screening, use oil dispersants, drilling, oil installations 8649.
surfactants, effects on, hydrocarbons, oxidation 11008.
survival, dilution effects on, in vitro 1398.
survival, hyperthermia, relationship, anesthetics, in vitro 12953
susceptibility, clindamycin antibacterial activity, man 11416.
susceptibility, sodium dodecylbenzene, use, identification 12272.
symbionts, Pediculus humanus 6391.
symbionts, Reticulitermes flavipes, Coptotermes formosanus, effects on lipid biosynthesis, metabolism 5492
symbionts, Tetratoxum excavatum, cytoplasm compartmentation 7311.
symbionts, ultrastructure, flagella, Foaina, Pyrsonympha 6393
symbiosis, Amoeba proteus, effects on nuclei phenotypes 10759.
symbiosis, cecum, Lohita grandis 6386.
symbiosis, Chlorella vulgaris, nutrient requirements 98
symbiosis, larvae, Bryozoa 2399
symbiosis, Noctiluca scintillans, flagella, morphology 10761
symbiosis, Porifera, Mediterranean Sea, Great Barrier Reef 1127.
symbiosis, role, Polymyxa palustris, respiration, evolution, mitochondria 3677.
taxonomy, classification, nomenclature 10913.
taxonomy, identification 7393.
taxonomy (numerical) 8339.
taxonomy, water springs, Greece 1231.
tenaquinones, separation techniques, high-performance liquid chromatography 9672.
terrestrial environments, marine environment, lysis sensitivity, factors affecting 12334.
thermal injury, recovery of function 9655.
thermal injury, viability, heat treatments 1332.
thyroid infection, association, branchial cleft abscesses rupture, children, case reports 11895
tonsillitis, pharyngitis, diagnosis, treatment, dogs 7247
toxicity testing, agar plate counts, methodology 5959.
toxins, biodegradation 9641.
toxins biosynthesis, genetics, localization, reviews 6714
toxins, characterization, reviews 11503.
toxins, lethal levels, production genetic engineering, reviews 6014
toxins, purification, assays, in vivo effects on, antigenic characteristics, conferences 10831
toxins, toxicity, characterization, conferences 12196
tracheitis, pathology, treatment, man, case reports 769
transposition, transposon IS1, relatinship, size 5035.
transposon Tn10, drug resistance use, markers genetic analysis 11320.
transposon Tn3, recombination genomes, characterization 5826
transposons, insertion mechanisms 9890
transposons, insertion sequences, structure, transposition, phages, reviews 12817
transposons, reviews 8673
tricarboxylic acid cycle, succinyl-CoA synthetase (ADP-forming), citrate (si)-synthase, catalysis, reviews 9732.
triticale, microorganisms, rhizosphere, water stress, effects on 3704
Triticum aestivum rhizosphere, Gaeumannomyces graminis var.tritici effects on population dynamics 8190.
tropical environment diseases, leukocytes (eosinophilic), role, man, reviews 11579
tropism, taxis, role, plant diseases, reviews 5495.
tumors infection, man, incidence, immunological aspects 6148.
typhoid fever, enteritis, diarrhea, carriers rate, man 10376.
urinary tract, cephalosporins potentiation, association, alafosfalin 8774.
urinary tract infection, antiseptics treatment, man 11821.
urinary tract infection, association, lithiasis, antibiotics treatment, man 5325.
urinary tract infection, association, prostate biopsy, man 11827.
urinary tract infection, cefazolin, +dicloxacillin treatment, man 10393
urinary tract infection, cefoperazone, clinical trials, man 7996
urinary tract infection, children, detection, nephrotic syndrome 11796.
urinary tract infection, children, +ureter pressure, effects on kidney parenchyma 11795.
urinary tract infection, children, +ureter pressure, effects on kidney parenchyma 11815.
urinary tract infection, cotrimazine, clinical trials, man 7997.
urinary tract infection, cotrimoxazole, comparison, cotrimazine, clinical trials, man 7998.
urinary tract infection, diagnosis, methodology, man, reviews 11816.
urinary tract infection, diagnosis, prophylaxis, geriatrics, man 7035.
urinary tract infection, immunodiagnosis, immune response (humoral), antibody-coated bacteria, man 4302.
urinary tract infection, man, antibiotics treatment 10394.
urinary tract infection, man, characterization 11803.

Bacteria, (continued)
urinary tract infection, man, role, renal failure 10384
urinary tract infection, man, treatment 11799.
urinary tract infection, man, trimethoprim drug resistance 12957.
urinary tract infection, netilmicin, antibacterial activity, man 7043.
urinary tract infection, nosocomial infection, prophylaxis, cotrimoxazole, man 847.
urinary tract infection, pathogenesis, treatment, man 11828.
urinary tract infection, prophylaxis, man, females 4426.
urinary tract infection, relationship, infertility, cattle, housing, age, effects on 3578.
urinary tract infection, respiratory tract infection, treatment, cefaclor, cephalexin, man 4420.
urinary tract infection, treatment, amoxicillin, bacampicillin, man 7052.
urinary tract infection, treatment, amoxycillin, man 4425.
urinary tract infection, treatment, cefotaxime, cefazoline, man 3401.
urinary tract infection, treatment, gentamicin, man 4432.
urinary tract infection, treatment, man 3396.
urinary tract infection, treatment, piromidic acid, nalidixic acid 3397.
urinary tract infection, treatment, pivmecillinam± pivampicillin, man 867.
urinary tract infection, trimethoprim treatment, man 6217.
urinary tract isolates, drug resistance, trimethoprim± sulphamethazole, incidence, man 458.
urinary tract recurrent infection, complications, pivmecillinam treatment, man 11820
use, biological control, Insecta 12087.
utilization, phytoplankton exudates, metabolites, primary production 10813.
vaccination, association, pregnancy, man 11633.
vaccines, man, pyrogenicity, Limulus lysate test, rabbit pyrogen test 6934.
viability, temperature effects on, lyophilization 4658.
virulence, antibiotics effects on 8760.
water disinfection, hydrogen peroxide, +ascorbic acid, +copper(II), methodology 12157
water pollution, epidemiology 6443.
water pollution, microbial pollution, pollution effects, water quality, population dynamics, rivers 7337
wetwood, association dieback, wood physical properties, Abies alba 10754.
wetwood, minerals levels, Abies alba 10757.
wetwood, water conductivity, Abies alba 10752.
Whipple's disease, pathogenesis, etiology, man 11773.
Whipple's disease, pathology, liver, appendix, lymph nodes, man, case reports 3374.
wilt, Agrostis palustris, Canada 9392.
wilt, epidemiology, roots, Cocos nucifera, India 3674.
wood decay, prevention, preservatives 12356.
wound infection, man, leukocytes (neutrophilic), phagocytosis, role 4276.
wound infection, surgery, pathology, diagnosis, antibiotic prophylaxis, man, conferences 10845
wound infection, surgery, prophylaxis, antibiotics, characterization, man 7206.
xanthogranulomatous pyelonephritis, pathogenesis, ultrastructure, man 7048.
yeasts, phylloplane microflora, population dynamics, seasonal variations, Malus pumila 4627.
Zea mays infection, characterization plant diseases 8142.
zoonoses, disease transmission, animals, man, disease control 2242.
Bacteria like microorganisms,
isolation, Trypanosoma cobitis 2421.
Bactericidal activity,
N-acylaminopropylammonium, salts 428.
amoxicillin, cefaclor, Enterobacteriaceae 6812.
ampicillin, amoxicillin 12891.
ampicillin, Haemophilus influenzae, chloramphenicol effects on 6802.
antibiotic synergism, assays 11392.
antiseptics, Mycobacterium bovis 10029.
Brucella abortus extracts 7884.
carbenicillin, ticarcillin, gram-negative bacteria 1707.
ceftriaxone levels, cerebrospinal fluid, association, meningitis, man 11845.
complement, Salmonella minnesota, resistance mechanisms, in vitro 8994.
dichlorophen, Erwinia carotovora, effects on, healing, tubers, Solanum tuberosum 2406
Escherichia coli, electric currents 5143.
floor mats, clinical trials, disease control, intensive care units 13272.
furbenicillin, comparison, carbenicillin, Pseudomonas, Providencia 7778.
iodine, wound infection, toxicity, man 10524.
leukocytes (mononuclear), leukocytes (polymorphonuclear), Streptococcus group B, neonates, man 3223.
leukocytes (neutrophilic), diabetes mellitus, man, pH, glucose, acetone, effects on 1907.
leukocytes (neutrophilic), Pseudomonas aeruginosa endotoxins vaccines effects on, rabbits 9035.
leukocytes (neutrophilic), salmonellosis, experimental infection, pigs 5226.
leukocytes (neutrophilic), Staphylococcus aureus, relationship, toxic shock syndrome, man 3390.
leukocytes (polymorphonuclear), association, systemic lupus erythematosus, children 596.
leukocytes (polymorphonuclear), Escherichia coli, Staphylococcus aureus, cattle 1898.
leukocytes (polymorphonuclear), man, Escherichia coli, complement effects on 6111.
macrophages, Staphylococcus aureus, chlorphentermine, iprindole, effects on, rats 6107.
methodology, clinical microbiology 12938.
mezlocillin, Listeria monocytogenes 12895.
penicillin, methicillin, concentration, Staphylococcus aureus, Streptococcus group B, growth stage 331
propolis, pH effects 3043.
Salmonella, serum factors, complement C4 activation, mice 13025
serum, assays, media (culture), dilution tests, comparison, antimicrobial agents 6778.
serum, resistance, association, antibiotic resistance, Escherichia coli 5952
sewage, digestion (anaerobic), Escherichia coli, Salmonella typhimurium, Vibrio parahaemolyticus 10049.
Streptococcus group B, B-lactam antibiotics 6795.
trimethoprim, cotrimoxazole, Escherichia coli 6842
tuftsin, immunostimulation, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli, Serratia marcescens, mice, phagocytosis, macrophages 6070.
Bactericides,
antimicrobial activity, skin hygiene, in vivo, in vitro 408.
isothiazolone, 2-mercaptobenzothiazole, inhibition, lactate dehydrogenase, Desulfovibrio desulfuricans 8835.
Bacterin,
Escherichia coli, vaccination, colibacillosis, clinical aspects, cattle 10262.
Bacteriochlorophyll,
Chloroflexus aurantiacus, biosynthesis, anaerobic conditions 142.
plasma membranes, chlorosomes, characterization, fluorescence, C.D., linear dichroism, E.S.R., Chloroflexus aurantiacus 8479.
Bacteriochlorophyll a,
association, Erythrobacter longus gen.nov. sp.nov., characterization, isolation, Enteromorpha linza, Porphyra 9541.
proteins, complex, chromatium vinosum, C.D. 3867.
Bacteriochlorophyll b,
Ectothiorhodospira halochloris, Rhodopseudomonas viridis, charactorization, spectroscopy 139.
Bacteriochlorophyll-protein,
characterization, Rhodopseudomonas sphaeroides 3929.
Bacteriochlorophylls,
biosynthesis, characterization, Rhodopseudomonas sphaeroides 12496.
biosynthesis, Protaminobacter ruber, regulation, factors affecting 3888.
electron transfer, quinones, fluorescence, reaction centers, Rhodopseudomonas sphaeroides 6551.
light effects on, chlorosomes, plasma membranes, Chloroflexus aurantiacus 6548.
orientation, E.S.R., reaction centers, chromatophores, Rhodopseudomonas sphaeroides, Chromatium vinosum 3879.
Prosthecochloris aestuarii, reaction centers, pigments, spectrophotometry 7483.
redox properties, chromatophores, Rhodospirillum rubrum, Rhodopseudomonas sphaeroides, Chromatium minutissimum 4790.
Rhodopseudomonas sphaeroides, ubiquinol-cytochrome c reductase, ubiquinone, reaction centers, chromatophores 4782.
triplet state, fluorescence, reaction centers, Rhodopseudomonas sphaeroides, Rhodopseudomonas viridis 3870
Bacteriocin,
biosynthesis, association, Vibrio harveyii competitiveness 12114.
Bacteriocin typing,
Clostridium perfringens type A 4686.
Corynebacterium nebraskense, wilt, blight, Zea mays 8285.
Klebsiella pneumoniae, nosocomial infection, man 6472.
Klebsiella strains 8323.
Proteus 4710
Proteus mirabilis, clinical isolates, identification 8347.
Pseudomonas aeruginosa 10884.
Serratia marcescens clinical isolates, infection seroepidemiology, Japan 13354.
Bacteriocinogenic factors,
Pasteurella, characterization 4210.
Bacteriocinogeny,
colicins, Shigella, strains, identification 12876.
Bacteriocins,
Bacteroides fragilis, RNA polymerase, inhibition 1469
biosynthesis, Azospirillum lipoferum, Azospirillum brasilense 295.
biosynthesis, characterization, Clostridium perfringens 12874.
biosynthesis, Streptococcus 9916.
Escherichia coli, operons, DNA nucleotide sequence promoters, gene regulation, plasmids 5876.
Lactobacillus acidophilus, purification, characterization 11343.
like compounds, biosynthesis, bacteria, inhibition, coliforms growth, screening, water supplies 4647.
media (selective), isolation Pseudomonas solanacearum, soil 12132.
production Escherichia coli, association, shigellosis prophylaxis, animal models 13184.
production, Staphylococcus aureus, plasmids, genetic analysis 1679.
Rhizobium leguminosarum, plasmids, transfer, nodulation, characterization 2921.
Streptococcus faecium, characterization 472.
Streptococcus mutans, antibiosis, Actinomyces viscosus 1154.
Streptococcus salivarius, isolation, charcterization, antibacterial activity 2979.
Streptococcus sanguis, transformation, relationship 5900.
susceptibility, Pseudomonas solanacearum, media (culture), soil 5558.
Bacteriodes corrodens,
infection, man, central nervous system, case reports 13216.
Bacteriology,
acne, man, reviews 4360.
bile, association, cholangitis, geriatrics 4519.
breeding, laboratory animals 13373.
data processing, computer applications, laboratories, hospitals 2572.
otitis media, man, reviews 10333.
otitis media, man, treatment 10838.
sputum, man 4356.
Streptococcus, Staphylococcus, necrotizing fasciitis, man 2259.
vagina, association, menstruation, man 10553.
Bacterionema matruchotii,
cell membranes, electron transport chain 1419.
reclassification, Corynebacterium matruchotii comb.nov. 12250.
Bacteriophages,
typing, role, identification, Pseudomonas serotypes 2549.
Bacteriopheophytin,
electrons transfer ubiquinone, temperature effects, Rhodopseudomonas sphaeroides 2683.
Bacteriopheophytin c,
reaction centers, spectroscopy, C.D., Chlorobium limicola 4779.
Bacterioplankton,
ATP uptake, organic compounds, Gulf Stream 2481.
biomass, volume, aquatic environment, computer applications, scanning electron microscopy, measuring techniques 3732.
Bivalvia filtration, efficiency measurement 6446.
Black Sea, eutrophication, quantitative distribution 1238
community composition, nutrition, taxonomy, physiology tolerance, Alaska 1246.
distribution, intertidal environment, sediments, estuaries, Germany, Fed. Rep. 1247.
energy flow, detritus, reefs, marine environment, South Africa 2485.
enumeration, lagoons Italy, pollution, effects on eutrophication 7340.
marine microorganisms, heterotrophy, fresh water effects on, Canada 2482.
orthophosphate uptake, coastal waters 9495.
oxygen uptake, USSR lakes 12187.

Bacterioplankton, (continued)
- population dynamics, lakes, Hungary 7341.
- population dynamics, succession, phytoplankton decomposition 2496.
- primary production, organic matter, marine environment 2480
- pulp wastes, pollution effects, rivers, Canada 2494
- rates, plankton respiration 1239
- rivers detritus, characterization, environmental stress 6444
- uptake, adenosinetriphosphate, USA, coastal waters 6530.
- waste water pollution effects, estuaries, Germany, Fed. Rep. 1240

Bacteriorhodopsin,
- characterization retinylidene chromophores lysine attachment sites, purple membranes, Halobacterium 4776
- cytoplasmic membranes, antibodies probes, Halobacterium halobium 10155
- Halobacterium halobium, arginine, role, protons pumps 4785
- Halobacterium halobium, lipid membranes reconstitution, protons pumps kinetics, purple membranes 7408.
- Halobacterium halobium, photocycles, kinetics 1424.
- Halobacterium halobium, purple membranes, interaction lipids, membranes, reconstitution 7404.
- Halobacterium halobium, purple membranes, light induction 6556
- Halobacterium halobium, purple membranes, protons pumps, mechanisms, reviews 12284.
- Halobacterium halobium, role C-terminus regions, protons pumps, purple membranes 7409
- Halobacterium halobium, structure, electric currents effects on 5691
- I.R. spectroscopy, retinylidene chromophores, mechanisms protons pumps, purple membranes, Halobacterium halobium 6555
- identification retinal attachment sites, role lysine, purple membranes, Halobacterium halobium 4838
- interaction retinal analogs, Halobacterium halobium 3873
- intermediates, purple membranes, enthalpy, spectroscopy, Halobacterium halobium 6565.
- liposomes, proton transport, thermodynamics, nigericin, valinomycin, light effects on 4715
- orientation retina retinal, purple membranes, fluorescence, Halobacterium 4789
- peptides, conformational analysis, C.D., N.M.R. 11024.
- +phosphatidylcholine vesicles, lipid bilayers, characterization, freeze-fracture, conferences 2690
- photocycles pathway, Halobacterium halobium 12500.
- photoelectric properties, models membranes, reconstitution, Halobacterium halobium 7479
- photons, photochemistry, ratio, purple membranes, Halobacterium halobium 3887.
- protonation, I.R. spectroscopy, purple membranes, Halobacterium halobium 9668
- protons conduction, mechanisms, models 6544.
- purple membranes, chemical modification, linkage regions, Halobacterium halobium 5695.
- purple membranes, fluorescamine chemical modification, C.D., Halobacterium halobium 6560
- purple membranes, protons pumps, C.D., Halobacterium halobium 2676
- purple membranes, protons pumps, pH effects, photochemistry, Halobacterium halobium 2675
- retinol binding, purple membranes, amino acid sequence, Halobacterium halobium 2674
- retinol proteins interaction, Halobacterium halobium 3872
- structure, reviews, Halobacterium halobium 4783.
- vesicles, N.M.R., freeze-fracture 5694

Bacteriostasis,
- antibiotics, gram-negative bacteria, gram-positive bacteria 12879
- Escherichia coli, Pseudomonas aeruginosa, immunoglobulin A, association, lactoferrin, transferrin 6099
- ketoconazole, Staphylococcus aureus 10032
- macrophages, Mycobacterium, lymphokines, induction 10176
- mezlocillin, Listeria monocytogenes 12895
- S-nitrosomercaptoethanol, enhancement, proteins, exudates, Bacillus cereus, spores 2741
- parameters, radiometry methodology, antibiotics, bacteria 7377

Bacteriostats,
- dihydrochalcones analogs, Myrica gale 5972.
- use bacteria enumeration, milk, Coulter counters 9519

Bacterium T-52,
- ethylene glycol, catabolism, in vitro 110.

Bacteriuria,
- bacteria, clinical aspects, treatment, children 10398.
- bacteria, treatment, pivampicillin± pivmecillinam, children 11957
- bacteria, urine, detection, safranine staining 1279.
- clinical isolates, antibiotic sensitivity testing, pregnancy, man 12881
- detection, bioluminescence, methodology, man 13201
- detection, nitrite test, urinalysis, pregnancy, man 2059
- diagnosis, nitrite test, man 5323.
- differential diagnosis, pyuria, urinary tract infection, man 6231
- dogs, bacteria, measuring techniques, Bacturcult test 3572.
- Escherichia coli, nosocomial infection, epidemiology, use, antigen O typing, geriatrics 2050.
- Escherichia coli, pathology, children, case reports 2091.
- Gardnerella vaginalis, pregnancy, man 2069
- immune response, pregnancy, man 1893.
- Klebsiella, diagnosis, females, man, Phillipines 2097
- man, characterization 8008
- man, infection, gram-negative bacteria, association mortality 8000
- man, screening methodology 9525.
- man, Staphylococcus aureus, antibiotic resistance, methicillin 845.
- postoperative infection, prophylaxis, povidone-iodine, ± gentamicin, prostate surgery, man 868.
- prophylaxis, cephradine treatment, association, surgery, man 10579
- prostatectomy, prophylaxis, cotrimoxazole, pivmecillinam, man 7034.
- pyuria, man 6231.
- relationship, mortality, geriatrics, man 2098.
- Salmonella typhi, Salmonella paratyphi, treatment, amoxicillin, ampicillin, man 3376.
- streptococcus, Escherichia coli, association, pregnancy, diagnosis, man 4521
- tests, screening, pregnancy, man 2066.
- ureter, Escherichia coli, Proteus mirabilis 3378.
- urinalysis, dogs 13374.
- urinary tract infection, treatment, man, reviews 6220.

Bacteroides,
- abscesses, appendix, man, case reports 6310.

Bacteroides, (continued)
- abscesses, skin, etiology, children 680
- antibacterial activity, cefotaxime 1724.
- antibacterial activity, cefsulodin, cefoxitin 6794
- antibacterial activity, Eupenicillium abidjanum antibiotic FA-2097 7811.
- antibacterial activity, Legionella pneumophila, use cooling water 8834.
- antibacterial activity, niridazole, comparison, metronidazole 10040
- antibacterial activity, sulbenicillin 4174.
- antibacterial activity, sulfamethoxozole, ± trimethoprim, agar dilution test 6841.
- antibacterial activity, thiolactomycin 11360.
- antibiotic resistance, cephalosporins, penicillin 11439.
- antibiotic sensitivity testing, antibiotic resistance, rosaramicin, erythromycin 4182.
- antigens, species specificity, cross-reactivity, detection, use, enzyme-linked immunosorbent assay 8940.
- association, otitis media, man 2004
- bacteremia, association, thrombotic thrombocytopenic purpura, man, case reports 3508.
- bacteremia, postoperative infection, anus, rectum, colon, surgery, man 839.
- bile acids conversion, in vitro, neomycin effects on 6522.
- bowel postoperative infection, man, case surveys 5435.
- cephalosporins antibacterial activity 8778.
- clinical isolates, β-lactam antibiotics, antibacterial activity, antibiotic resistance 11402.
- clinical isolates, antibiotic sensitivity testing 11386.
- clinical isolates, oral cavity, antibiotic sensitivity testing 11381
- dental plaque microflora, man, New Zealand 725.
- dental plaque, sex hormones effects on, man, females 5282.
- detection, isolation, feces, neonates, man 3261.
- effects on leukocytes (neutrophilic) chemotaxis 539.
- enzymes, cell walls biodegradation, Arachis hypogaea 7430.
- estradiol, progesterone, effects on 8408.
- experimental infection, periodontal diseases, histology, animal models, man 13099.
- fecal microflora, cancer patients, characterization 9071.
- fecal microflora, feeding effects on, infants, man 7962.
- gas production, intestinal microflora, man 12735.
- hydrolases, clinical isolates 1543.
- identification, antibiotic sensitivity testing 8286.
- identification, API test 1303
- identification, association, antibiotic sensitivity testing, methodology 9557.
- immunoglobulin G antibodies, detection, blood donors, man 571.
- incidence, fecal microflora, relationship, metronidazole serum levels, Crohn's disease, man 834.
- incidence, sinusitis, children 773.
- infection, incidence, respiratory tract, man 4400.
- infection, man, antibacterial activity, ceftriaxone 9216.
- infection, man, antibiotics treatment, reviews 9265.
- infection, man, otitis media, treatment, antibiotics, surgery 11863.
- intestinal microflora characterization, rabbits 6325.
- intestinal microflora, identification, Pisces 6476.
- intestinal microflora, Tilapia mossambica 12031.
- isolation, abscesses, pigs 8094.
- isolation, tonsillitis, recurrent infection, children 1989
- mammary gland abscesses, pigs 5477.
- metronidazole, +antibiotics, antibiotic synergism, antibacterial activity 9927
- microflora, digestive tract, diarrhea, clinical aspects, case reports, magnesium sulfate treatment, dogs 10643.
- microflora, maxillary sinus, man 673.
- Nocardia thiolactomycin antibacterial activity 7715.
- otitis media, aminoglycoside antibiotics treatment, man 13132.
- otitis media, detection, localization, man 1998.
- paronychia, etiology, children 2211.
- pelvic inflammatory disease, treatment, man 13188.
- penicillin antibiotic resistance, antibiotic sensitivity testing, tetracycline, doxycycline, minocycline 5955.
- penicillinase, biosynthesis, sensitivity, β-lactam antibiotics 1709.
- penicillinase detection, methodology 4880
- penicillinase production, cefoperazone antibiotic resistance, ± penicillinase inhibitors, effects on 9994
- plasmids mediation antibiotic resistance, transfer 2929
- population composition, dental plaque, Macaca fascicularis 2345
- preservation, gelatin disc drying method, media (transport) 6454.
- relationship, Capnocytophaga, taxonomy, chemical analysis 10880
- thienamycin antibacterial activity, Clostridium, thienamycin antibacterial activity 8777
- urinary tract infection, man, antibiotics treatment 10394

Bacteroides asaccharolyticus,
- decubitus ulcers infection, geriatrics 9076.
- extracts, effects on epithelium keratinocytes 11683
- identification, API test 1303
- oral microflora, association, periodontitis, gingivitis, man 1964.
- periodontal diseases, inactivation, immunoglobulin A, virulence, characterization 6043.
- phagocytosis, intracellular killing, association, anaerobic conditions, aerobic conditions 2672.
- ultrasound effects on 715.

Bacteroides corrodens,
- endocarditis, acute lymphocytic leukemia, man, case reports 5415.
- endocarditis, man, case reports 994.
- paronychia, etiology, children 2211.
- pneumonia, empyema, children, case reports 746.
- thyroiditis, abscesses, clinical aspects, case reports, children 13333.
- ultrasound effects on 715.
- vaccination, rats, effects on, bone loss, jaw 554.

Bacteroides distasonis,
- metronidazole, +antibiotics, antibiotic synergism, antibacterial activity 9927

Bacteroides eggerthii,
- identification, fluorescent antibody test 1287.

Bacteroides fragilis,
- abdominal diseases, characterization, diagnosis, treatment 13311
- activation, complement alternative pathway, in vitro 540.
- amniotic fluid, antibacterial activity, in vitro 12943.
- anaerobic conditions, carbon dioxide, effects on erythromycin antibacterial activity 6813.

Bacteroides fragilis, (continued)
  antibacterial activity, β-lactam antibiotics, in vitro 1712.
  antibacterial activity, amniotic fluid, man 3105.
  antibacterial activity, antibiotic BRL 17421, in vitro, in vivo, man 348
  antibacterial activity, antibiotic HR 756 1729.
  antibacterial activity, cefmenoximine 6810
  antibacterial activity, cefoperazone 6799.
  antibacterial activity, cefoperazone, cefotiam 347.
  antibacterial activity, ceftizoxime, antibiotic 7303, cephalothin, cefoxitin 3010.
  antibacterial activity, ceftizoxime, cefoperazone, cefoxitin, comparison, in vitro 3005
  antibacterial activity, cephalosporins 1727.
  antibacterial activity, cephalothin+thiamphenicol, antibiotic synergism 3023.
  antibacterial activity, clindamycin, metronidazole 10034.
  antibacterial activity, erythromycin 367.
  antibacterial activity, moxalactam, in vitro 326.
  antibacterial activity, pipecolic acid amide 9979.
  antibacterial activity, Streptomyces cervinus sp.nov. cervinomycin A 11346.
  antibacterial activity, thienamycin, moxalactam, ceftizoxime, cefoperazone, cefotaxime 6789
  antibiotic MK0787, antibacterial activity, β-lactam antibiotics 7783.
  antibiotic Ro 13-9904, antibiotic GR 20263, antibacterial activity 364
  antibiotic sensitivity testing, antibiotic resistance 5104
  antibiotic sensitivity testing, clindamycin 6775.
  antigens, characterization 1864.
  antigens, immunofluorescence, characterization 8923
  bacteriocins, RNA polymerase, inhibition 1469.
  Bacteroides melaninogenicus, identification, immunofluorescence 2577.
  bile bacteriology, association, cholangitis, geriatrics 4519.
  biosynthesis, penicillinase, inhibition, sulbactam, antibiotic synergism, mice 361.
  capsules, polysaccharides, immune response (cell-mediated), mice 11574.
  cefoperazone, antibacterial activity, antibiotic sensitivity testing 7786.
  cefoperazone, antibiotic synergism, penicillinase inhibitors 345.
  cefoxitin, 327.
  ceftazidime, antibacterial activity 5065
  clinical isolates, antibacterial activity, ceftazidime 5078.
  clinical isolates, antibacterial activity, metronidazole, tinidazole, ornidazole 11457
  clinical isolates, antibiotic resistance 5075.
  clinical isolates, antibiotic sensitivity testing 11386.
  clinical isolates, ceftazidime, antibacterial activity 5077.
  clinical isolates, moxalactam, antibacterial activity 7787
  clinical isolates, plasmids, antibiotic resistance, tetracycline, erythromycin, clindamycin, transfer 3048
  culture supernatants, antigenic characteristics 5192.
  decubitus ulcers infection, geriatrics 9076.
  endotoxins, antigenic characteristics 5193.
  Escherichia coli, mixed culture, association, Eubacterium aerofaciens, 7β-hydroxysteroid dehydrogenase, ursodeoxycholic acid, formation 12611.
  ± Escherichia coli, mixed infection, rats, effects on liver 13407.
  experimental infection, effects on, metabolism, oxygen, pressure, liver, rats 3630
  growth, cefotetan, antibacterial activity 5926.
  identification, media (isolation) 2504.
  identification methodology, bile resistance 12238.
  infection, identification, diagnosis, immunofluorescence, man 4523.
  infection, liver, oxygenation effects on, animal models 3500.
  infection, man, rheumatoid arthritis, association arthritis 13324
  infection, spectinomycin treatment, man 11855.
  infection, spectinomycin treatment, man 13225.
  infection, treatment, Chloramphenicol, man 3463.
  infection, treatment, clindamycin, animal models 2184
  infection, treatment, lincomycins, man 4504.
  infection, treatment, moxalactam, man 7188
  inhibition, Neisseria gonorrhoeae, growth, antibiosis, in vitro 13459.
  josamycin antibacterial activity, in vitro 8783
  lipopolysaccharides, antigens, enzyme-linked immunosorbent assay, outer membranes, in vitro 3153
  man isolates, serotyping, use, immunofluorescence 1295.
  man, liver abscesses, treatment 8061
  metronidazole antibacterial activity 8826.
  microbodies, characterization 2595.
  microbodies, isolation, characterization 60
  microflora, vagina, cervix, association, menopause, man 3269
  mixed infection, Escherichia coli, treatment, ornidazole, man 942.
  morphology, metronidazole, tinidazole, effects on 9609.
  outer membranes proteins, isolation, characterization 4716.
  penicillinase, biosynthesis, characterization 12589.
  penicillinase, effects on, thienamycin derivatives, stability 5061.
  periodontal diseases, man, distribution, fluorescence microscopy 6955.
  phagocytosis, intracellular killing, association, anaerobic conditions, aerobic conditions 2672.
  postoperative infection cesarean section, cefoxitin antibiotic prophylaxis, man 6314.
  postoperative infection, colon surgery, prophylaxis, antibiotics, man 973.
  postoperative infection, prophylaxis, clindamycin, lincomycin, man 10606.
  rabbits trachea organ culture, anaerobiosis, tissues respiration 7466.
  respiratory tract infection, clinical aspects, man 11707.
  role, etiology, mastitis, cattle 3635.
  role, pathogenesis, appendicitis, immunological aspects, man 7101.
  septicemia, cefoperazone, clinical trials, man 8050
  septicemia, neonates, man, Saudi Arabia 3549.
  septicemia, treatment man, case reports 6279.
  survival, oxygen, hydrogen peroxide, free radicals, U.V.radiation, effects on 3088.
  susceptibility, clindamycin antibacterial activity, man 11416.
  thermal stability, lyophilization, skim-milk, comparison, poly(vinylpyrrolidone) 7354.
  virulence, capsules, resistance leukocytes (neutrophilic), phagocytosis, rabbits 7916.
Bacteroides fragilis subsp. vulgatus,
  dysentery, pigs 9347
Bacteroides fragilis subsp.distasonis,
  clinical isolates, plasmids characterization 6757
Bacteroides fragilis subsp.distasonis, (continued)
  identification, fluorescent antibody test 1287.
Bacteroides fragilis subsp.ovatus,
  identification, fluorescent antibody test 1287.
Bacteroides fragilis subsp.thetaiotaomicron,
  identification, fluorescent antibody test 1287.
  metronidazole, +antibiotics, antibiotic synergism, antibacterial activity 9927.
Bacteroides fragilis subsp.vulgatus,
  cell surface antigens, characterization 6044.
  identification, fluorescent antibody test 1287.
Bacteroides fragilis supsp.vulgatus,
  metronidazole, +antibiotics, antibiotic synergism, antibacterial activity 9927.
Bacteroides gingivalis,
  adherence, epithelium cells, erythrocytes, man 1363.
  cell adhesion, hydroxyapatite, association saliva, tetracycline effects on 8401.
  characterization, association, fatty acid composition, fluorescent antibody test 7384.
  dental plaque isolates, identification 3778.
  estradiol, progesterone, effects on 8408.
  identification, API test 1303.
Bacteroides hypermegas,
  reclassification, Megamonas hypermegas gen.nov. comb.nov. 12252.
Bacteroides melanino genicus subsp. melaninogenicus,
  isolation, oral cavity, antibiotic resistance, pencillinase, production 11434.
Bacteroides melaninogenicus,
  adherence, epithelium cells, erythrocytes, man 1363.
  Bacteroides fragilis, identification, immunofluorescence 2577.
  identification, API test 1303.
  infection, identification, diagnosis, immunofluorescence, man 4523.
  man, liver abscesses, treatment 8061.
  oral microflora, association, periodontitis, gingivitis, man 1964.
  periodontal diseases, inactivation, immunoglobulin A, virulence, characterization 6043.
  periodontal diseases, man, distribution, fluorescence microscopy 6955.
  postoperative infection, cefazolin prophylaxis, man 13259.
  proteinase, isolation, characterization 189.
  ultrasound effects on 715.
Bacteroides melaninogenicus subsp. melaninogenicus,
  infection, man, moxalactam treatment 9221.
Bacteroides melaninogenicus subsp.asaccharolyticus,
  adherence, epithelium cells, erythrocytes, man 1363.
Bacteroides melaninogenicus subsp.intermedius,
  estradiol, progesterone, effects on 8408.
Bacteroides melaninogenicus var.asaccharolyticus,
  biosynthesis, hydrogen sulfide, volatiles sulfur compounds 4085.
Bacteroides melaninogenicus var.melaninogenicus,
  biosynthesis, hydrogen sulfide, volatiles sulfur compounds 4085.
Bacteroides nodosus,
  vaccination, antibody response, foot rot, sheep 629.
  vaccines, antigens, association, pili, immunization, sheep, foot rot 10247.
  vaccines, vaccination, antibody response, foot rot, sheep 653.
Bacteroides oralis,
  dextranase, purification, characterization 7607.
  DNA, reassociation, isoelectric focusing, taxonomy 10928.
  isolation, abscesses, pigs 8094.
  isolation, oral cavity, antibiotic resistance, pencillinase, production 11434.
  proteins, isoelectric focusing, DNA base composition, hybridization 8490.
Bacteroides ruminicola,
  isolation, abscesses, pigs 8094.
  isolation, rumen, sheep 5451.
  pectin fermentation, media (culture) 9652.
  proteinase, enzyme kinetics, rumen 2811.
Bacteroides sp.nov,
  characterization 12266.
Bacteroides succinogenes,
  cellulase, β-D-glucosidase, stability, activity, role sulfhydryl groups 7587.
Bacteroides theatiotaomicron,
  colon isolates, arabinogalactan metabolism, continuous culture 3858.
Bacteroides thetaiotaomicron,
  cefoxitin antibiotic resistance, R factors transfer 11429.
Bacteroides ureolyticus,
  isolation, characterization, soft tissues infection, cats, dogs 9570.
Bacteroides vulgatus,
  antibodies, incidence, Crohn's disease, man 6115.
Bacteroides zoogleoformans comb.nov.,
  taxonomic revision, characterizaton 8319.
Bacteroids,
  oral cavity isolates, identification methodology, API ZYM test 2543.
  plasmid pRle1001a, localization transcription regions, restriction endonuclease mapping 9908.
  Rhizobium, formation, nodulation, Phaseolus lunatus 12133.
  Rhizobium japonicum, electron transport chain, hydrogen oxidation 6549.
  Rhizobium lupini, aspartic acid, biosynthesis 2820.
  Rhizobium lupini, glutamate synthase, ammonium effects on 12667.
  Rhizobium lupini, proteins, periplasmic space 12315.
  Rhizobium, nitrogen fixation, leghemoglobin, oxygen, carbon sources, effects on 3694.
Bactobolins,
  antitumor antibiotics, isolation, antimicrobial activity, Pseudomonas 301.
  synthesis, antimicrobial activity, Pseudomonas 375.
Bacturcult test,
  measuring techniques, bacteria, bacteriuria, dogs 3572.
Bagasse,
  bacteria, isolates, cellulose biodegradation 4752.
  chemical modification, cellulose biodegradation, single-cell protein production, Cellulomonas 3852.
  hydrolysis, methodology, Trichoderma reesei, cellulase 7463.
Bahrain,
  man, cholera outbreaks 5320.
Bakery products,
  Staphylococcus aureus enterotoxins, characterization, Brazil 5995.
Balanoblennorrhea,
  Neisseria gonorrhoeae, association, urine, retention, man, case reports 4449.
Balanoposthitis,
  association, Gardnerella vaginalis infection, man, case surveys 8006.

Bangladesh,
  man, cholera, association, water supplies 5317.
Barbiturates,
  antibacterial activity 1788
Barium sulfate,
  marine environment, sand, effects on microorganisms 10803.
Bark,
  Quercus, decay, bacteria, in vitro 8434.
Barodetella bronchiseptica,
  ± Pasteurella multocida, experimental infection, atrophic rhinitis, etiology, pigs 10713.
Base composition,
  Bacillus, taxonomy, biological properties, soil isolates 12275
  Bacteroides oralis DNA 8490
  coryneforms 10908
  DNA, association Thiobacillus taxonomy 12248.
  DNA, Capnocytophaga, taxonomy, relationship, Bacteroides 10880.
  DNA, taxonomy (numerical), Pseudomonas, strains 12269
  identification, Vibrio, Aeromonas 6470.
  phages, lysis, Pseudomonas 12821.
  ratio, DNA, relationship, prokaryotes mutation 12508.
  RNA, complementary strands, superhelical ColE1 DNA, Escherichia coli 11309.
  Vibrio vulnificus, biochemical characteristics, marine environment isolates, clinical isolates 8295.
Base stacking,
  rRNA 16S 3'-terminus, N.M.R., Escherichia coli 7522.
Basement membranes,
  antigens, man, mice, cross-reactivity Streptococcus group A antigens 7917.
Bastadin,
  Ianthellabasta, antibacterial activity, gram-positive bacteria 1778.
Batch culture,
  Acanthamoeba polyphaga, predator-prey interactions, Pseudomonas paucimobilis, continuous culture 3680
  Brevibacterium divaricatum, glutamic acid biosynthesis, computer applications 176.
  Escherichia coli, anthranilate synthase levels, regulation, chemostat culture, glucose, anthranilate synthase 1529.
  Escherichia coli, copper bioaccumulation, use, waste treatment 136.
  Pseudomonas aeruginosa, hydrogen cyanide, hydrogen cyanide synthase, biosynthesis, aeration, effects on 2844
  Streptococcus faecalis, inorganic pyrophosphatase, enzymatic activity, regulation 2754.
  Streptococcus mutans, dental plaque, polysaccharides, metabolism, dextranase, release 12604.
  Streptomyces fradiae, immobilized cells, proteinases 2779.
  Streptomyces fradiae, tylosin biosynthesis 302.
Baths,
  effects on colonization, Pseudomonas aeruginosa, Klebsiella pneumoniae, hospitals, man 7112.
  folliculitis, Pseudomonas aeruginosa, clinical aspects, man 11667.
Batrachotoxin,
  effects on lysosomal enzymes mice skeletal muscle 6860.
BCG,
  antibodies, maternal transfer, dogs 528.
  antigenic relationship, tyberculin, seperation techniques, Mycobacterium tuberculosis 8939
  antigens, skin tests, sensitization guinea-pigs, guinea-pigs, immunoelectrophoresis 3173.
  diagnosis, Mycobacterium tuberculosis, children 9263.
  effects on tumors regression, immune response, antitumor activity, guinea-pigs 10109.
  granuloma, ultrastructure, immune response, lymph nodes, animal models 548.
  immunization, association, proliferation, macrophages, lymphocytes, guinea-pigs 9028.
  immunostimulation, immunity, Yersinia enterocolitica infection, mice 7959.
  immunosuppression, Listeria monocytogenes infection, mice 4300.
  immunotherapy, antibody response, cancer patients 4280.
  infection, infants man, treatment, case reports 6289.
  inflammation, lung macrophages kinetics, mice 606.
  Killed, methanol extraction, inhibition, spermatogenesis, testis, rabbits, dogs, rats 3595.
  lipids, induction, resistance, guinea-pigs, Mycobacterium tuberculosis infection 9365.
  Mycobacterium bovis, antigenic characteristics, crossed immunoelectrophoresis 1870.
  Mycobacterium bovis, effects on, immunomodulation, mice 11616.
  sensitization, association, hypersensitivity (delayed), role, Mycobacterium tuberculosis antigen L, guinea-pigs 8920.
  vaccination, association, leprosy, man, case reports 696.
  vaccination, association, tuberculin sensitivity, children 1911.
  vaccination, association, tuberculosis, children 4336.
  vaccination, children, association tuberculosis 13061.
  vaccination, complications, man, reviews 9027.
  vaccination, effects on leukemia, children 652.
  vaccination, effusion, man 3251.
  vaccination, hypersensitivity (delayed), association, nutritional status, children 9029.
  vaccination, immunotherapy, effects on Mycobacterium antibodies, radioimmunoassay, man 8909.
  vaccination, prophylaxis, leprosy, children, Uganda 3241.
  vaccination, reviews 10260
  vaccination, tuberculin skin tests, age effects, children 660.
  vaccines, immunization methodology, children 9060.
  vaccines, light effects on 6124.
  vaccines, man, characterization 9043.
Bdellovibrio,
  cysts, chemical composition 1360.
  distribution, seasonal variations, association, estuaries, USA 10816.
  host-parasite interactions, lysis Escherichia coli, gram-negative bacteria, waste water 9423.
  isolation, enumeration, growth, marine environment, association, parasitism, lysis, Vibrio parahaemolyticus 9630.
  isolation, rivers, comparison, sewage, host range, morphology 10930.
  predator-prey interactions, population structure, effects on 1157.
  predatory behavior, pollutants, effects on 1760.
  strains, membrane proteins, electrophoresis 12548.
Bdellovibrio bacteriovorous,
  predator-prey interactions, population dynamics, mathematical models 6408.
Bdellovibrio bacteriovorus,
  Escherichia coli, predator-prey interactions, computer applications, mathematical models 12116.
  lipid A, characterization 1571.
  Lipopolysaccharides, characterization 227.
Beclomethasone,
  treatment, otitis media. man 10330.
Bedding,
  burn patients, Pseudomonas aeruginosa, antibiotic resistance gentamicin 6946.
  cattle, incidence, Klebsiella, coliforms 10656.
Beef,
  Clostridium botulinum, toxins, heat inactivation 5160.
  contamination, Streptococcus, Lactobacillus, identification, computer applications 6477.
  sterilization, radioresistance, bacteria 5146.
Beehives,
  isolation, Gluconobacter, Acetobacter 12084.
Beer,
  biodeterioration, Lactobacillus, Streptococcus, taxonomy 9548.
  brewing, Humulus, antimicrobial activity, bacteria, fungi 7860.
  Klebsiella oxytoca, Klebsiella pneumoniae, isolates, taxonomy, phenotypes, proteins 80.
Beggiatoa,
  sediments, distribution, lakes, British Isles 2487.
Beggiatoa alba,
  carbon dioxide fixation, acetate metabolism 4772.
  sulfur inclusion bodies, characterization 4733.
  sulfur inclusions, ultrastructure 4720.
  ultrastructure, envelopes 12344.
Beijerinckia,
  media (isolation), benomyl+mancozeb 3.
Bekanamycin,
  antibacterial activity, treatment, respiratory tract infection, pharmacokinetics, man 6786.
Belgium,
  dairy industry, effluents, incidence, bacteria 1241.
  Malus pumila, Mycoplasma plant diseases 12094.
  man, Legionnaire's disease, epidemiology, diagnosis, indirect fluorescent antibody test 9103.
  man, Yersinia enterocolitica infection, serotyping, surveillance, reviews 8070.
  pneumonia, Legionella pneumophila, immunocompromised hosts, case reports 6174.
  wilt, Xanthomonas campestris var.graminis, isolation, identification, grasses, Belgium 8145.
Beneckea,
  isolation, identification, sediments, marine environments 3740.
  microflora, Boeckosimus affinis, symbiosis 10734.
Beneckea harveye,
  NADH reductase, NADPH reductase, substrate specificity 9759.
Beneckea harveyi,
  luciferase, electron microscopy, structure 12472.
  phenobarbital, effects on, luminescence 11030.
Beneckea natriegens,
  use, studies, microbiology, biochemistry 1271.
Beneckea pelagia,
  alginate lyase, isolation, characterization 4037.
Benomyl,
  foliar applications, effects on, Gaeumannomyces graminis var.tritici, rhizosphere microflora, Tritium aestivum 9474.
  +mancozeb, media (isolation), Azotobacter, Beijerinckia 3.
  soil microorganisms, effects on carbon dioxide fixation 6833.
Benthic zone,
  marine environments, bacteria, microflora, Hirondella gigas, pressure effects, temperature effects, isolation 3651.
Benthos,
  hot springs, Pacific Ocean, bacteria 2497.
Benzaldehyde,
  inhibition DNA polymerase, Escherichia coli 11174.
Benzalkonium chloride,
  sensitivity, Pseudomonas aeruginosa, association, hemolysins biosynthesis, relationship, virulence 11542.
  Serratia marcescens, contamination, nosocomial infection, hospitals, animals 2351.
Benzazon VII,
  antibacterial activity, mutagenicity testing, Escherichia coli, Salmonella typhimurium 8695.
Benzidine,
  dyes, metabolism, intestinal microflora, role etiology urinary bladder carcinoma, man 13064.
Benzimidazoles,
  chemical modification, antibacterial activity, bacteria 12941.
  derivatives, antitubercular agents, synthesis, tuberculosis, man 6838.
3H-1,2-Benziodazol-3-ones,
  derivatives, synthesis, antimicrobial activity 433.
Benzoate,
  induction 3-hydroxybenzoate 2- monooxygenase, Pseudomonas testosteroni, mutants 5769.
Benzo[b]thiophene-3-carbamic acid,
  esters, synthesis, antibacterial activity 1756.
1,5-Benzodiazocine-2-nones,
  transformation, 2-(acylamino-R-propyionylamido)-benzophenones, Actinomyces roseochromogenes, Actinomyces flavus, Streptoverticillium cinamoneum 4091.
Benzoic acid,
  effects on, fatty acid composition, Salmonella typhimurium 12720.
  metabolism, Pseudomonas aeruginosa, Acinetobacter, Moraxella, anaerobic conditions 102.
Benzoyl peroxide,
  acne, treatment, man 1943.
  acne treatment, man 6149.
  ± Buf-Puf, treatment, acne, man 3285.
  treatment, acne, Corynebacterium acnes 695.
  treatment, acne, man 677.
  treatment, acne, man 677.
α^4-O-benzoyl-pyridoxine,
  antibacterial activity 451.

α^5-O-benzoyl-pyridoxine,
antibacterial activity 451.
2-Benzoylaminothiophene-3 carboxylate,
antibacterial activity 7861.
Benzyl penicillin,
effects on, Neisseria gonorrhoeae, ultrastructure, electron microscopy 8770.
L-Benzyl-4-nitroimidazole-5-thioacetic acid,
derivatives, synthesis, antibacterial activity 4206.
2'(3')-O-(N-Benzyloxycarbonylcycloleucyl) adenosine,
peptidyltransferase inhibition, Escherichia coli 9677.
Benzylpenicillin,
biodegradation, synergism, Pseudomonas+Fusarium, soil isolates 1380.
± cefoxitin, treatment, endocarditis, Streptococcus sanguis 330.
Clostridium, antibiotic resistance 11439.
effects on, Neisseria gonorrhoeae, peptidoglycans, fragments, characterization 1462.
Neisseria gonorrhoeae, antibiotic sensitivity testing, Nigeria 1731.
treatment, Neisseria gonorrhoeae, urethritis, comparison, piperacillin, man 3420.
Berberine,
effects on enterotoxins, Vibrio cholerae, Escherichia coli, animal models 4241.
Beta vulgaris,
crop production, bacteria pathogenicity effects on 13451.
crops, rhizosphere microorganisms, pathogenicity, identification, characterization 6431.
Erwinia carotovora, soft rot, nutrient requirements, taxonomy 1326.
growth, stimulation, rhizoplane microorganisms, Pseudomonas, characterization 7325.
infectivity, Xanthomonas beticola 13435.
mud, organic matter, digestion (anaerobic), odor control 9427.
yield, Pseudomonas seed treatments effects on 12108.
yield, roots, sucrose, incidence, soft rot, Erwinia carotovora subsp.beta vasculorum, nitrogen fertilizers, spatial distribution, effects on 1153.
Betadine vaginal cleansing kit,
effects on genital microflora, man, intrauterine devices 5265.
Betaine,
use, Eubacterium limosum biosynthesis, N,N-dimethylglycine, acetic acid, butyric acid 4071
Betamethasone,
+gentamicin+miconazole, treatment, bacteria, fungi, skin infection, man 5271.
N-[ω,ω'-**Bis(alicyclic)-sec-alkyl]-1,3-diamino-2-propanol,**
antibacterial activity, Pseudomonas aeruginosa 11448.
N-[ω,ω'-**Bis(aryl)-sec-alkyl]-1,3-diamino-2-propanol,**
antibacterial activity, Pseudomonas aeruginosa 11448.
Bibliographies,
lactic acid bacteria, fermentation, Lactobacillus, identification 8247.
Bicillin,
treatment, syphilis, animal models 7085.
treatment, urethritis, Neisseria gonorrhoeae, man 2168.
Bifiditermes beesoni,
infection, Bacillus thuringiensis+Pseudomonas fluorescens+Serratia marcescens, disease transmission, feeding behavior 4601.
Bifidobacterium,
counting methods, dairy products, pharmaceuticals, 12207.
enumeration methodology 3771.
identification, association, antibiotic sensitivity testing, methodology 9557.
intestinal microflora, bowel, children, cefotiam, effects on 1918.
neuraminidase reaction mechanisms, N-acetyl-α-D-neuraminic acid release 1532.
paronychia, etiology, children 2211.
taxonomy 8309.
Bifidobacterium adolescentis,
intestinal microflora, man, space flight effects on 1921.
Bifidobacterium bifidum,
membranes, ultrastructure, freeze-fracture 12309
morphology; ultrastructure 12307.
plasma membranes, ultrastructure, characterization, freeze-fracture, freeze-etching 2601.
Bifidobacterium bifidus,
growth, casein, sugars, man, effects on 1395.
Bifidobacterium bifidus var. pennsylvanicus,
chelating agents effects on growth 9650.
Bifidobacterium breve,
biotin, transport, characterization 5696.
Bifidobacterium longum,
intestinal microflora, man, space flight effects on 1921.
Bilary tract,
tuberculosis, man, case reports 989.
Bilary tract infection,
bacteria, treatment, mezlocillin, man 4505.
Bile,
acids, transformation, Clostridium perfringens, in vitro 3863.
bacteria, association, cholecystectomy, man 9311.
bacteriology, association, cholangitis, geriatrics 4519.
effects on Vibrio cholerae, Escherichia coli, enterotoxins, induction, intestine secretion, mice 5168.
Pseudomonas, catabolism, products, cattle 2656.
rabbits, detection, antibody-coated bacteria, Escherichia coli, experimental infection, cholecystitis 8990.
resistance, identification methodology, Bacteroides fragilis 12238.
salts, arylsulfatase, activity, specificity, Clostridium 12613.
sensitivity, Lactobacillus acidophilus, colonial characteristics, freezing, effects on 2628.
Bile acids,
catabolism, Pseudomonas, Actinomycetes 12431
chemical modification, Clostridia 9661.
chemical modification, gram-postive bacteria 9660.
Clostridium, conversion 9623.
conversion, Bacteroides, intestinal microflora, in vitro, neomycin effects on 6522.
hydrolysis, Clostridium bifermentans, characterization 7455.
Bile duct,
cholestasis, association, sepsis, histopathology, man, case reports 11891.
infection, treatment, cefoperazone, man 1002.
Biliary tract,
clearance bacteria, ceftizoxime treatment, choledochlithiasis, man 10545.
infection, bacteria, treatment, antibiotics, man 3511
infection, bacteria, treatment, ceftriaxone, man 8047
Biliary tract, (continued)
infection, cefoperazone treatment, man 10616.
infection, man, association, hypogammaglobulinemia 10490.
lithiasis, surgery, association, infection, factors affecting,
sepsis, man, drainage, treatment 13309.
surgery, antibiotics treatment, microflora association, man 12001.
surgery, prophylaxis, postoperative infection, cefazoline, man 4503.
Biliary tract diseases,
association, bacteremia, Staphylococcus, immunity (humoral), treatment, man 2196.
endotoxins association gram-negative bacteria induction, rats 12976.
treatment, antibiotic 6059-S, tissues concentration, man 2046.
Biliary tract infection,
man, treatment, pivmecillinam 10618.
Bilirubin,
use, production, urobilins, gnotobiotics (germfree) rats 4594.
Binding,
complement Cl_q, Streptococcus pneumoniae, Haemophilus influenzae, Branhamella catarrhalis, assays, otitis media isolates 607.
DNA, degradation, Bacillus subtilis, competence, inhibition, protein biosynthesis, temperature effects 1437.
Escherichia coli, cytochrome a_1, carbon monoxide, light effects 2689.
fluoride, Streptococcus sanguis, oral cavity isolates 1351.
immunoglobulin G, Escherichia coli, opsonization, antibacterial activity, enzyme-linked immunosorbent assay 3156.
immunoglobulin G, protein A, Staphylococcus aureus, encapsulation effects on 609.
lectins, Rhizobium japonicum, media, effects on 2428.
lipopolysaccharides, Rhizobium trifolii, lectins, Medicago sativa, role, roots, infection, immunoassays 2630.
methotrexate, tetrahydrofolate dehydrogenase, Escherichia coli 1555.
proteins, isolation, Streptococcus pyogenes, association, heart, kidney 11111.
tRNA, sites, Escherichia coli, ribosomes, chloramphenicol, effects on 2711.
Streptococcus pneumoniae, C-reactive protein, man 10959.
Binding protein,
arginine+ornithine, gene mapping, Escherichia coli 12809.
Bioaccumulation,
association, 1-phenyl-4-amino-5-chloro-piridazone-6, 3-cyclohexyl-5,6-trimethyleneuracil, effects on, growth, oxygen uptake, nitrogenase acitivity, Azotobacter chroococcum 9640.
carbohydrates, Escherichia coli, association, growth, water activity 11224.
copper, Escherichia coli, batch culture, use, waste treatment 136.
copper, Escherichia coli, metals effects on 121.
copper, lead, effects on growth, Sphaerotilus natans 7442.
Escherichia coli, cytochrome o, association, respiration 1425.
fluoride, Streptococcus sanguis, oral cavity isolates 1351.
manganese, films, Metallogenium, soil, desert varnish 6415.
mercury, Vibrio, Pseudomonas, Protozoa, food chains, estuarine organisms 8233.
pyrene, phenanthrene, water pollution, microorganisms 7433.
Rhizobium, amino acids, salinity effects on 7530.
Streptococcus pyogenes, polysaccharides 9704.
uranium, thorium, microorganisms, industrial wastes 7402.
Bioassays,
antibiotic sensitivity testing, clinical microbiology 12880.
Bacillus subtilis, Proteus, ceftazidime, antibacterial activity 5093.
bacteria, pollutants effects on 7380.
brucellosis vaccines 10275.
lysine, kinetics, Pediococcus cerevisiae 9523.
mycotoxins, effects on, Photobacterium phosphoreum, bioluminescence, methodology 12476.
pertussis vaccines, dose-response effects, computer applications 4338.
spores, spore crystals, toxicity, Bacillus thuringiensis, Ostrinia nubilalis 8125.
sterilization, Bacillus stearothermophilus spores, heat resistance 7414.
toxicity, spores, crystals, Bacillus thuringiensis, Ostrinia nubilalis 7897.
toxicity testing, Pseudomonas fluorescens, pentachlorophenol, tetrachlorophenol 10870.
Biochemical analysis,
Actinobacillus, animal isolates, electrophoresis 8325.
Alcaligenes, strains, taxonomy 10901.
genetic analysis, tiamulin resistant mutant, Escherichia coli 12934.
Haemophilus equigenitalis, contagious equine metritis, antisera agglutination, identification, horses 7257.
lysogeny, bacteria, phage Mu, prophages 8721.
Mycoplasma, infection, leaves, Brinjal 2420.
R plasmid, Vibrio cholerae, antibiotic resistance, genetic analysis 9844.
polysaccharides, Staphylococcus epidermidis, virulence 8921.
Streptococcus mutans, serotypes, morphology, antigenic characteristics, cultural characteristics 10896.
ultrastructure, Mycoplasma pneumoniae adsorption, relationship, virulence 12340.
vagina, association, menstruation, man 10553.
Vibrio alginolyticus, strains, isolates, cultural characteristics 8344.
Biochemical characteristics,
Actinobacillus, Pasteurella, poultry isolates, taxonomy 7395.
Bacillus capillus sp.nov. 9564.
Campylobacter, fatty acid composition, identification, taxonomy 1302.
coryneforms 10908
Escherichia coli, identification, lakes isolates 7390.
Escherichia coli membranes extracts 12289.
gram-negative bacteria, identification, API test, blood culture 12256.
Haemophilus paragallinarum, Haemophilus avium 12261.
infection, Prunus armeniaca, Pseudomonas syringae 2408.
Legionella, isolation, identification, clinical aspects 10895.
methylotrophic bacteria, drinking water isolation 10999.
Mycoplasma, pathogenicity, diagnosis, infection, man 10508.
Pasteurella multocida, cattle, buffaloes, Malaysia 34.
Pseudomonas arsenitoxidan sp.nov., arsenic oxidation 12372.
Pseudomonas solanacearum, wilt, Musa sapientum, Musa textitis 10740.
Rhizobium, cultural characteristics, Cicer arietinum isolates 13501.
Saccharum officinale, scald, effects on 1139.
spirochaeta, morphology, role digestion, rumen, cattle 12033.
Streptococcus agalactiae, clinical isolates, growth, milk 7465.
Streptococcus faecalis, Streptococcus faecium, use drinking water indicator species 11002.
Streptococcus faecium, strains, antibiotic sensitivity testing, taxonomy 2575.
Streptococcus mutans, cariogenicity, serotypes specificity 10148.
Streptococcus mutans, serotypes, micromethods 10872.
Streptococcus, oral microflora, differentiation, methodology 41.

Biochemical characteristics, (continued)
vaginitis, Trichomonas vaginalis, diagnosis, putrescine, cadaverine, clinical aspects, man 7041.
Vibrio anguillarum, growth, temperature effects on 10972.
Vibrio, isolation, man, cholecystitis 5596.
Vibrio parahaemolyticus, Vibrio alginolyticus, water isolates 12405.
Vibrio vulnificus, base composition, marine environment isolates, clinical isolates 8295
Yersinia enterocolitica, biotypes, taxonomy 8291
Yersinia enterocolitica, identification, API test, media (isolation), antibiotics 2516.
Yersinia enterocolitica, identification, drinking water contamination 7392.
Yersinia enterocolitica, serotyping, water, food isolates 8293.
Yersinia enterocolitica, Yersinia enterocolitica like bacteria, DNA, taxonomy 1315.

Biochemical oxygen demand,
pollutants, lubricants, biodegradation, bacteria 133.

Biochemistry,
studies, use, Beneckea natriegens 1271.

Biocides,
relationship, microflora, bacteria, swimming pools, Australia 2479.

Biodegradability,
plants cell walls, role rumen microorganisms 6324.
plants cell walls, rumen microorganisms, feeding trials 5645.

Biodegradation,
Alcaligenes, α-picolinic acid 5642.
alkylbenzene sulfonate, bacteria 8413.
n-alkylcycloalkanes, Arthrobacter+Mycobacterium rhodochrous, mixed culture 1382.
p-aminoazobenzene, Aeromonas hydrophila, Pseudomonas pseudomallei, characterization 7458.
ammeline, Pseudomonas+Sporothrix schenckii 9629.
andrpsta-4-ene-3,17-dione, Nocardia restricta, association, 3-oxosteroid Δ^1-dehydrogenase biosynthesis 6629.
Arachis hypogaea cell walls, Bacteroides enzymes 7430.
aromatic compounds, toxicity, bacteria, Rhodotorula 3854
Bacillus, azo dyes 12378.
Bacillus, isoniazid, pyridine carboxylic acids 7426.
Bacillus soil isolates, extracellular polymers xanthan 7451.
Bacillus subtilis, dyes, synchronous growth, role, textile industry wastewater treatment 4754
Bacillus subtilis, guanosine 5'-diphosphate 3'-diphosphate, role spot gene products 11124
Bacillus, tetradecane, characterization 10993.
bacteria, alkanes, oxidation mechanisms 8416.
bacteria, ametryne, prometryne, sulfur nutrient sources 5647
bacteria, industrial sites, characterization, case reports 6529.
bacteria, methoxychlor, mechanisms, aerobic conditions, anaerobic conditions 8402
bacteria, soil pesticide residues models 4756.
bacteria, soil, pesticides effects on 8185.
benzylpenicillin, synergism, Pseudomonas+Fusarium, soil isolates 1380.
bis(tributyltin)oxide, Pseudomonas aeruginosa, Alcaligenes faecalis, Coniophora puteana, Trametes versicolor, Chaetomium globosum 2636.
caffeine, intestinal microflora, rats 13068
carbohydrates, Neisseria identification 2553
casein, Caseobacter polymorphus 12380
cell walls, Rhizobium, Leguminosae 5519.
cellulose, bacteria, bagasse isolates 4752.
cellulose, Cellulomonas 4749.
cellulose, fungi, rumen microorganisms, sheep, methanogenic bacteria, effects on 3679.
cellulose, nutrient dynamics, phosphate effects on, soil 2434
cellulose, rumen microorganisms, amines effects on 1050.
cellulose, rumen microorganisms, methanogenesis 12037.
cellulose, Ruminococcus albus, phenylpropanoic acid stimulation 7461.
cellulose, single-cell protein production, Cellulomonas, chemical modification, bagasse 3852.
chitin, Abies alba litter, bacteria 3729
chitin, microorganisms, estuaries isolates, stimulation azinphos-methyl 8418.
chitin, soil, bacteria, fungi 4747.
chitin, Streptomyces, soils (acid), pH effects on 12369.
chloridazon, bacteria, tyrosine, biosynthesis, arogenate dehydrogenase 10990.
chloridazon, bacteria, tyrosine biosynthesis, association, arogenate intermediates 11097
4-chloro-2-methylphenoxyacetic acid, soil microorganisms 9464.
3-chlorobenzoate, 4-chlorophenol, Pseudomonas, plasmids transfer Alcaligenes 7459
4-chlorobiphenyl, metabolism, intermediates, bacteria 12382.
chloroform, soil microorganisms 7431.
Citrobacter freundii, oils emulsions, physicochemical properties 11016.
clostridium acetobutylicum, hemicellulose, butanol production 9817.
Clostridium, amino acids, reviews 7427.
Cocos nucifera, Copra, role water content, Aspergillus, Serratia marscescens, Staphylococcus aureus, population dynamics, succession 6542.
conferences 9498
cooling lubricants, bacteria 12383.
Crocodylia egg shells, bacteria 3845.
crop residues, bacteria, mixed culture, calorimetry 10989.
crop residues, single-cell protein, biomass, technology, reviews 9624.
2,4-D, soil microorganisms, bacteria, relationship population density, Canada 1194.
2,4-D, soil microorganisms, pesticide applications effects on 8199.
DDT, Pseudomonas aeruginosa, aromatic compounds oxidation pathways 10996.
DDT, Pseudomonas aeruginosa, association aromatic acids oxidation 12391.
detritus, carbon cycle, intertidal environment, bacteria, Ecklonia maxima 12156.
detritus, macrophytes, estuaries, biogeochemistry, nitrogen, proteins 12165.
3,4-dichloroaniline, Alcaligenes faecalis 12393.
3,4-dichloroaniline, Pseudomonas putida 9611.
disaccharides, dental plaque, man, association, bacteria α-D-glucosidase inhibition, acarbase 13067.
diuron, anaerobic microorganisms, ponds sediments 8425.
dodecyltriethoxy sulfate, Pseudomonas 12426.
egg shells, Alligator mississipiensis 5672.
Eragrostis tef cell walls, rumen microorganisms 5680.
Escherichia coli, β-interferon effects on, mice macrophages 11566.
factor F420, association, oxygen, Methanobacterium thermoautotrophicum 4962.

Biodegradation, (continued)
fatty acids, bacteria 226.
feeds, rumen bacteria, in vitro 9627.
Flavobacterium, Corynebacterium, hexadecane, α-methylnaphthalene 9646.
fucoidan, Nemacystus decipiens, Vibrio, identification, coastal environments, Japan 42.
gram-negative bacteria, pollutants, screening 11000.
hemicellulose, bacteria 10975.
hexadecane, Acinetobacter calcoaceticus, pili, role, adherence 12301.
hexamethylene diamine, Bacillus subtilis 108.
hexamethylene diamine, Bacillus subtilis, clays minerals effects on 12376.
1,6-hexanediamine, Bacillus subtilis 10995.
humic acids, Streptomyces, association acid production 12384.
hydrocarbon-degrading bacteria activity, soil horizons association oil 11014.
hydrocarbons, aquatic microorganisms, coastal environments, France 129.
hydrocarbons, bacteria, marine environment isolates, role plasmids 8412.
hydrocarbons, heterotrophic microorganisms, sediments, Canada rivers 8223.
hydrocarbons, marine environment 10983.
hydrocarbons, mixed culture, Cyanophyta, Mycobacterium 11007.
hydrocarbons, oil sand, bacteria, Canada, Alberta 8360.
hydroquinone monosulfonate, bacteria 8417.
industrial effluents carbon sources, Salmonella enteritidis, Pseudomonas aeruginosa, Escherichia coli 9628.
landfills leachates, γ radiation effects on 8400.
lignin, aromatic compounds, dyes, pesticides, xenobiotics, books, conferences 12198.
lignin, bacteria, characterization 7456.
lignin, cellulose, methanogenesis, ethanol production, technology, reviews 8409.
lignin, cellulose, Streptomyces badius, nutrient sources effects on 103.
lignin fragments, anaerobic conditions, bacteria 12370.
lignin, fungi, Actinomycetes, association, carbon cycle, reviews 12361.
lignin manomers, bacteria, aromatic compounds production 11003.
lignin, Pseudomonas, cellulose, cell walls, ultrastructure, chemical analysis, Populus 1385.
lignocellulose, cinnamic acid, streams, ground water, microorganisms 9491.
linuron, 2,4-D, Rhizobium leguminosarum, Rhizobium japonicum, Rhizobium lupini 1389.
lipids, bacteria 12364.
lipids, soil 4748.
lubricants hydrocarbons, Bacillus, Pseudomonas 4744.
lysine, pathways, Fusobacterium nucleatum 12379.
metamitron, Arthrobacter 8428.
methanol, phenol, association, growth, bacteria 7867.
mezlocillin, penicillinase 12867.
microorganisms, hydrocarbons, reviews 3855.
microorganisms, mixed culture, sodium sulfite, sodium lignosulfonate 8397.
morpholine, bacteria, characterization 8426.
naphthalene, Pseudomonas, bacteria, soil isolates, nitrogen sources 2662.
naphthalenesulphonate, Pseudomonas 2645.
nicotine-1'-N-oxide, Arthrobacter globiformis 4695.
N-nitrosamines, Lactobacillus, Clostridium, Escherichia coli, Fusiformis fragilis 132.
oil, Anabaena variabilis, association, Mycobacterium brevicale, growth, factors affecting 12363.
oil, bacteria, Protozoa, phytoplankton, surfactants effects on 7438.
oil, fungi, bacteria, railroads soil 7424.
oil spills, bacteria, France 99.
oil, USSR rivers, bacteria distribution 13516.
oils emulsions, theories, microorganisms 11015.
ordram, Bacillus 130.
organic compounds mercury, Clostridium cochlearium, drug resistance, mercury 6521.
organic compounds, metabolism, microorganisms, eutrophic environment, lakes 12161.
organic compounds, pesticides, microorganisms, measuring techniques 7439.
organic matter, lakes, bacteria 13507.
organic matter, soil, pH+redox potential, effects on 9644.
organic matter, Vibrio, Acinetobacter, brackishwater environment 5638.
papaverine, Nocardia mutants 12377.
particulate matter, Laminaria pallida, bacteria 127.
PCB, relationship, plasmids, Acinetobacter, Arthrobacter 12368.
PCB, sewage, microorganisms 7434
pentachlorophenol, Pseudomonas, temperature effects on 8436.
petroleum, Pseudomonas, plasmids, marine pollution 12832.
phenol, bacteria, shake culture, statistical analysis, factors affecting 3839.
phenylalanine, pathway, Phenylobacterium immobilis 5646.
Phenylobacterium immobilis, aminopyrine, carbon sources, characterization 5675.
phosphates, bacteria, fungi 7445
phytoplankton, bacteria, urea, levels, eutrophication, seasonal variations, lakes 3743.
phytoplankton, organic matter, bacteria 135.
pollutants, bacteria, rivers, sediments 100.
pollutants, heterotrophic bacteria, marine environment, measurement 8395.
pollutants, lubricants, bacteria 133.
polysaccharides, role, bacteria, soil, USSR 10991.
polyureas, polyurethane foams, wastes, agricultural land 106.
propanil, 3,4-dichloroaniline, Pseudomonas 9634.
proteins, continuous culture, retention time 10994.
Pseudomonas aeruginosa, alkanes, anaerobic conditions 8414.
Pseudomonas aeruginosa, DDT, tricarboxylic acid cycle, glyoxylate cycle 11001.
Pseudomonas, aromatic compounds, role plasmid pWW0, structure 9900.
Pseudomonas diminuta, parathion 7447.
pseudomonas, p-chloraniline 9633.
Pseudomonas, polyacrylamide, ammonia metabolism 8415.
Pseudomonas, 2,4-D, role plasmids 8411.
rumen microorganisms, proteins, cattle, juveniles 3563.
rumen microorganisms, straw, ammonification, sheep 8079.
shigella flexneri, glycoproteins, intestine, characterization, mice 5677.
sitosterol, Mycobacterium, variants, cleavage, side chains 10997.
slurries, pigs, sewage treatment models, ponds 7345.
sodium arsenate, bacteria 107.
sodium arsenate, microorganisms, chemostats 120.
soil, copper effects on 1220.
soil Streptomyces, solid wastes, nitrogen, organic compounds 8424.
Spartina alterniflora biodegradation, bacteria, micronutrients release, salt marshes 8232.

Biodegradation, (continued)
- starch, products, mixed culture, Streptococcus lactis, Saccharomycopsis fibuliger 8160.
- surfactants, linear alcohol ethoxylates, kinetics, thermodynamics, bacteria 4753.
- synthetic compounds, microorganisms, biosphere 9657.
- 2,4,5-T, enhancement, genetic engineering, plasmids 5884.
- 2,4,5-T, Pseudomonas cepacia 7453.
- tampons, toxic shock syndrome, Enterobacteriaceae, man 13270.
- thidiazuron, fungi, bacteria, algae 9612.
- toxins, bacteria 9641.
- tricresyl phosphate, sludge, sewage treatment models 6541.
- 2,4,6-trinitrotoluene, thermophilic microorganisms, composting 12362.
- triphenyltetrazolium chloride, Pseudomonas, temperature effects on 12385.
- Triticum aestivum stubble, soil microorganisms, role, soil fertility 131.
- L-tyrosine, Pseudomonas 12381.
- validamycin, Flavobacterium saccharophilum, intermediates, structure 2638.
- wort, Bacillus, endo-1,3-β-D-glucanase, exo-1,4-β-D-glucosidase 12602.

Biodeterioration,
- beer, Lactobacillus, Streptococcus, taxonomy 9548.
- paintings, air pollution+Thiobacillus, nitrifying bacteria 8438

Bioenergetics,
- reviews, books 10823.

Biogeochemistry,
- cycles, phytoplankton primary production, bacteria, seasonal variations, lakes 8235
- nitrogen, proteins, biodegradation, detritus, macrophytes, estuaries 12165.
- oil shales, revegetation, soil microorganisms 8168.

Biological activity,
- Corynebacterium parvum cell walls vaccines 11634.
- exotoxin A, Pseudomonas aeruginosa, proteinase, effects on 3129.
- microorganisms, ecosystem dynamics 2653.

Biological characteristics,
- Klebsiella aerogenes, growth rate effects on 8449.

Biological control,
- Alternaria alternata leaf blotch, Hordeum vulgare, Streptomyces olivaceus,
- Bacillus thuringiensis, infection, Insecta larvae, specificity, role, spore crystals 3653.
- Bacillus thuringiensis, relationship, distribution, soil 3711.
- Bacillus thuringiensis var.israelensis, Bacillus sphaericus, Aedes stimulans, instars, temperature, effects on 3655.
- Culicidae larvae, use Bacillus thuringiensis δ-dendotoxin, toxicity, stability 12974.
- Dilophospora alopecuri, Anguina funesta vectors, Lolium rigidum toxicity, Corynebacterium 5164.
- Insecta, bacteria use 12087.
- Lycopersicon esculentum crown gall, use, Agrobacterium radiobacter mutants 12100.
- Manduca sexta, Aedes aegypti, Bacillus thuringiensis, Bacillus cereus, proteins characterization 5729.
- pathogens, larvae, Bacillus thuringiensis, Achoea janata 4599.
- pathogens, larvae, Bacillus thuringiensis, Diacrisia obliqua 4595.
- Rhizoctonia bataticola root rot, antagonists 6424.

Biological properties,
- Acetobacterium wieringae sp.nov. 12262
- Agrobacterium radiobacter, β-lactam antibiotics 7738.
- Azotobacter chroococcum, soil isolates 12390.
- Bacillus, taxonomy, soil isolates 12275.
- Bordetella pertussis antigens 526.
- Lactobacillus animalis sp.nov. 12267.
- neurotoxins, Clostridium botulinum 10084.
- Pseudomonas aeruginosa endotoxins 8869.
- Streptococcus group D, tissues, specificity 13016.
- Streptococcus group D, tissues specificity 13016.
- streptovirudins, comparison, Streptomyces griseofulvis 6774.
- thiolactomycin 8049.
- Vibrio parahaemolyticus, strains, growth, pathogenicity 12443.

Biology,
- role, Streptococcus pneumoniae, historical accounts 7347.

Bioluminescence,
- Actinomyces, factors affecting 12740.
- bacteria, in vitro, intermediates identification 147.
- bacteria, yield, association, oxygen 12485.
- detection, bacteriuria, methodology, man 13201.
- induction, mitomycin C, nalidixic acid, Photobacterium leiognathi 7486.
- luminous bacteria 12490.
- mycotoxins, effects on, Photobacterium phosphoreum, bioassays, methodology 12476.
- Photobacterium fischeri, inhibition, camphor, effects on, luciferase 7488.
- psychrophilic bacteria, morphology, cell walls 12326.
- Vibrio harveyi, induction, media (culture) 1416.

Biomass,
- aquatic microorganisms, composition, community structure, light effects, detritus, estuaries 3734.
- Bacillus acidocaldarius growth conditions, media (culture) 12460
- bacteria, ecological distribution, intertidal environment 10817.
- bacteria, interference food digestion, measuring techniques, rumen 10641.
- Bacteria, models, factors affecting, association RNA structure 12461.
- bacteria, soil characteristics 9484.
- biodegradation, crop residues, single-cell protein, technology, reviews 9624.
- biosynthesis optimization, association, substrate preferences, Alcaligenes hydrogenophilus 9816.
- heterotrophic bacteria, lakes, eutrophic environments, USA, Wisconsin 8244.
- microorganisms, measuring techniques, ATP 12159.
- microorganisms, sand, marine environment, fuels wells drilling fluids effects on 10803.
- nodules, Inga jinicuil 1211.
- nodules, Inga jinicuil, soil nutrients effects on 1212.
- nodules, nitrogen fixation, Alnus rubra, Alnus sinuata, forests, Canada 3693.
- phytoplankton, relationship bacteria, heterotrophs, physicochemical properties, coastal waters 8234.
- soil microorganisms, factors affecting 13476.
- soil microorganisms, growth, fungicides effects on 8188.
- soil microorganisms, measuring techniques 3727.
- soil microorganisms, measuring techniques 12118
- soil microorganisms, population dynamics, grasslands, New Zealand 8183.
- volume, bacterioplankton, aquatic environment, measuring techniques, scanning electron microscopy, computer applications 3732.

Biomphalaria glabrata,
- microflora characterization 5493.

Biopsy,
- diagnosis, tuberculosis, man 4402.
- intestine, tuberculosis, Mycobacterium tuberculosis, diagnosis, colonoscopy, case reports, man 7015.
- prostate, association, bacteria urinary tract infection, man 11827.
- prostate, association, prostatitis, Clostridium, treatment, man, case reports 2095.
- syringes aspiration, diagnosis lung tuberculosis, man 6187.

Bioreactors,
- Zymomonas mobilis, ethanol biosynthesis, growth 9637.

Biorhythms,
- Streptomyces levoris, air transport 3745.

Biosphere,
- microorganisms, synthetic compounds biodegradation 9657.

Biotin,
- Bacillus sphaericus, biosynthesis enzymes, characterization 4851.
- Bifidobacterium breve, transport, characterization 5696.
- biosynthesis, precursors, Achromobacter 8482.

Biotin sulfoxide reductase,
- activity, Escherichia coli, association, molybdenum cofactors, bisC gene 8600.

Biotypes,
- Vibrio anguillarum, nucleotide sequence, plasmid pMJ101 detection 1680.
- Vibrio, detection, relationship, use, electrophoresis, I.R. spectroscopy 1301.
- Xanthomonas malvacearum, distribution, identification, India 7394.
- Yersinia enterocolitica, biochemical characteristics, taxonomy, antigenic characteristics 8291.
- Yersinia enterocolitica, feces isolates, pathogenicity, man 9231.

Biotyping,
- Agrobacterium radiobacter subsp.tumefaciens, methodology 6482.
- bacteria, nosocomial infection, epidemiology, methodology 9577.
- Haemophilus influenzae, outer membranes, characterization 5597.
- Haemophilus influenzae, subtypes, membrane composition 4694.
- Klebsiella, clinical isolates 12243.
- Pasteurella haemolytica, cattle animal isolates 9538.
- Pseudomonas aeruginosa, isolation, man eyes, pathogenicity, rabbits cornea 6483.
- Pseudomonas solanacearum, Australia 4711.
- Salmonella typhimurium, animal isolates 9558.
- Staphylococcus aureus, skin isolates 35.

Bipenicillin,
- treatment, dermatophilosis, horses, France 1072.

Birds,
- Chlamydia psittaci, Escherichia coli, Salmonella typhimurium, Newcastle disease virus, isolation 3617.
- infection, Chlamydia psittaci, incidence, USA, Florida 10647.

Birth,
- man, Streptococcus group B carriage, genitourinary tract, effects on 6222.
- postoperative infection, antibiotics prophylaxis, man 13329.

Bis-(3'-5')-cyclic dinucleotides,
- inhibition RNA polymerase, Escherichia coli 11091.

Biseptol-480,
- gonorrhea treatment, females, man 2145.

Bismuth,
- treatment, syphilis, man 3431.

Bismuth subsalicylate,
- prophylaxis, Escherichia coli, travellers diarrhea 9143.

[illegible],
- Ehrlichia phagocytophila, experimental infection, clinical aspects 4553.

Bites,
- animals, clinical isolates, Pasteurella multocida, Pasteurella pneumotropica, characterization 3828.
- animals, wound infection Pasteurella multocida, man 6302.
- dogs, Pasteurella multocida clinical isolates, fatty acid composition 4951.
- horses, Actinobacillus lignieresii infection, clinical aspects, man 6274.

Bis(tributyltin)oxide,
- biodegradation, Pseudomonas aeruginosa, Alcaligenes faecalis, Coniophora puteana, Trametes versicolor, Chaetomium globosum 2636.

2,4-Bis(trichloromethyl)-benzo[1,3]dioxin-6-carboxylic acid,
- effects on rumen microorganisms methanogenesis 13362.

Bitterness,
- Acinetobacter effects on limonin biodegradation, orange juice 2660.

Bivalvia,
- bacterioplankton filtration, efficiency measurement 6446.

BK virus,
- DNA, cloning, Escherichia coli 1596.

Black arm disease,
- Xanthomonas malvacearum, Gossypium hirsutum, Paraguay 4613.

Black lipid membranes,
- Caldariella acidophila, membrane capacitance, membrane conductance, configurations 9667.

Black rot,
- Brassica oleracea, Xanthomonas campestris, leaves, wax characterization 5501.
- Xanthomonas campestris, disease reservoirs, weeds 1142.

Black Sea,
- bacterioplankton, eutrophication, quantitative distribution 1238.

Blacticidin S,
- necrosis inhibition, Pseudomonas glycinea infection, disease resistance, Glycine max 2404.

Bladder,
- bacteria, gangrene, diagnosis, clinical aspects, man, case reports 4423.

Blasticidin S,
- inhibition, hypersensitivity, Glycine max, Pseudomonas syringae 5504.

Blastobacter viscosus,
- methanol, metabolism, carbon sources, nitrogen sources, enzymes 12463.

Blastocaulis-Planctomyces like bacteria,
- life cycle 96.

Blastogenesis,
- lymphocytes, man, diabetes mellitus, Staphylococcus aureus, Clostridium tetani toxoids 4321.
- lymphocytes, mitogens, helper factor, man 5212.

Blattidae,
- isolation, Salmonella 8095.

Blebs,
- Escherichia coli cell membranes, thermal injury induction 12328.

Bleeding,
  gastrointestinal tract, association, typhoid fever, treatment, surgery, man, case reports 3359.
Bleomycetin,
  Actinomycetes, biosynthesis, mutagenesis selection 12868
Bleomycin,
  effects on recombination, phage SPP1 transfection 12765.
  mutagenesis, Actinomadura carminata, Streptomyces cremeus 7651.
Blepharitis,
  bacteria distribution, screening 6852.
Blight,
  Citrus, relationship Pierce's disease bacteria 13441
  Coffee arabica, disease spread, Pseudomonas syringae, seasonal variations, rainfall effects on 9411.
  disease resistance, Vigna unguiculata 5494.
  Gossypium hirsutum, Xanthomonas malvacearum, role, cell surface slimes 9409.
  Manihot esculenta, symptoms, Xanthomonas manihotis, Erwinia carotovora, isolation 9387
  Oryza sativa, Xanthomonas campestris pv.oryzae, virulence 13448.
  Pisum sativum, symptoms, Pseudomonas syringae pv.pisi, identification, isolation 10742.
  Pseudomonas glycinea, Glycine max, seasonal variations, growth 7302.
  Pseudomonas marginalis, Pseudomonas viridiflava, etiology, Pastinaca sativa 2411.
  screening disease resistance, Vigna unguiculata 4611.
  wilt, Erwinia stewartii, pathogenesis, Zea mays, disease resistance, pathophysiology 13431.
  Xanthomonas campestris pv.juglandis, Juglans regia, ecological evaluation 12105.
  Xanthomonas campestris pv.malvacearum, interaction, Gossypium hirsutum, ultrastructure 12101.
  Xanthomonas campestris pv.malvacearum, ultrastructure, Gossypium hirsutum, cotyledons 12107
  Xanthomonas campestris pv.manihotis, Manihot esculenta, pathology, South Africa 10748.
  Xanthomonas campestris var.vignicola, disease resistance, genotypes screening, Vigna unguiculata 8155.
  Xanthomonas juglandis, Juglans regia, distribution, buds 7304.
  Xanthomonas malvacearum, disease transmission, Earias feeding, Gossypium hirsutum 10738.
  Xanthomonas oryzae, effects on, Oryza sativa, cultivars, susceptibility, photosynthesis, chlorophyll a, chlorophyll b 3666
  Xanthomonas oryzae, Xanthamonas translucens f.sp.oryzicola leaf streak, differentiation, immunoelectrophoresis, Oryza sativa 8941.
  Xanthomonas phaseoli, sulfur dioxide, effects on, lesions, development, Phaseolus vulgaris 12093
  Zea mays, Corynebacterium nebraskense, phase typing, bacteriocin typing 8285
Blindness,
  association, Streptococcus group A endocarditis, antibiotics treatment, man, case reports 13284.
  association, trachoma, incidence, Chlamydia trachomatis, man, Papua New Guinea 8057
Blister spot,
  Malus pumila, susceptibility, Pseudomonas syringae, seasonal variations 9410.
  Pseudomonas syringae, Malus pumila, detection methodology 13432.
Blocking antibody,
  +antibodies, man, Clostridium tetani toxins 4323.
Blood,
  agar, media (culture), Mycobacterium tuberculosis 2523.
  agar, Streptococcus, growth, media (enrichment) 1258.
  α-aminobutyric acid release, colon microflora, man 1917.
  Babesia divergens, Ehrlichia phagocytophila, detection, babesiosis, cattle 1115.
  bacteria detection, role, hemolysis 2530.
  chemical composition, chickens, juveniles, Escherichia coli, endotoxins, inoculation, effects on 4242.
  culture, isolation, Campylobacter fetus, lymphoma, man 2545.
  gases, pH, electrolyte balance, Anaplasma marginale infection effects on 13391.
  infection, bacteria, treatment, ceftriaxone, man 8047.
  infection, man, peritoneovenous shunts, dental manipulation, relationship, Streptococcus 13351.
  isolates, antibiotic sensitivity testing blood 2996.
  lactate, Escherichia coli, endotoxins, rats 3137.
  leukocytes (neutrophilic), antibacterial activity, Staphylococcus aureus, inhibition, cream, cattle 4544.
  leukocytes (polymorphonuclear), leukocyte migration, milk, Escherichia coli Endotoxins effects on, animal models 8897.
  lymphocyte transformation, Legionella pneumophila induction, man 556.
  man, isolation, Vibrio parahaemolyticus, case reports 7147.
  parasites, Eperythrozoon suis, Eperythrozoon parvum, domestic animals 9341.
  pathology, experimental infection, Leptospira interrogans ser.icterohemorrhagiae, dogs 2378.
  rats, Staphylococcus epidermidis, staphylococcine, histamine, release 4566.
  relationship, disease transmission, Neisseria meningitidis, Streptococcus group A, Staphylococcus aureus, infection, man 2309.
  Serratia marcescens endotoxins effects on platelets, dogs 10081.
  stimulation, growth, Peptococcus saccharolyticus, strains, colonial characteristics 9614.
  syphilis screening, man, Australia 5352.
  transferrin, α-1-antitrypsin, levels, periodontal disease, man 5283.
Blood cells,
  Crassostrea virginica, chemotactic response, Bacillus megaterium effects on 2403.
Blood coagulation,
  chronic myeloid leukemia, man, bacteria, endotoxins, effects on 3143.
  endotoxins effects on, rats 7894.
  monkeys, endoxemia effects on, association, spleen lesions 8891.
Blood culture,
  anaerobic microorganisms, sucrose, effects on, growth, man 9622.
  antimicrobial agents adsorption, bacteremia, diagnosis, man 13302.
  bacteremia detection, man 3460.
  bacteremia man, diagnosis, radiometry+subculture 7141.
  bacteria, detection, BACTEC test 3796.
  comparison, slides, peptone liquid culture, isolation clinical isolates 4669.
  detection, Pseudomonas, septicemia, treatment, clinical trials, man 8072.
  enrichment, diagnosis, bacteremia, man 9.
  Enterobacteriaceae, Staphylococcus aureus, media (isolation) 1260.
  Fastidious anaerobe broth, bacteria isolation 7357.
  gram-negative bacteria, biochemical characteristics, identification, API test 12256.
Blood culture, (continued)
  isolates, antibiotic sensitivity testing, automated methods 7767.
  isolation, Streptococcus mitior, growth, media (culture) 3766.
  man, identification, Gardnerella vaginalis 4690.
  media (culture), aerobes, anaerobiosis effects on 8263.
  media (culture), gels, isolation Neisseria meningitidis 6453.
  methodology, diagnosis, septicemia, bacteria 7371
  microorganisms enumeration, role, diagnosis, prognosis, bacteremia, septicemia 2246.
  positive, detection, relationship, pH 3775.
  rabbits, bacteremia, animal models 4672.
  Streptococcus identification, Phadebact test, Streptex test 3791.
  Streptococcus mitis, media (culture), identification 1259.
  Streptococcus, nutrient requirements variants, growth 4765.
  subculture, identification, man 6458.
  subculture, negative, detection, bacteria, Bactec test 2520.
Blood donors,
  detection, immunoglobulin G antibodies, anaerobic bacteria, man 571.
  infectious diseases, bacteria, vaccination 12012.
Blood flow,
  Escherichia coli endotoxins effects on, brain, dogs 12984.
  spleen, man, relationship clearance Streptococcus pneumoniae infection 13319.
Blood groups,
  ABO system, correlation, Vibrio parahaemolyticus diarrhea, man 2041.
  antibody response, Mycoplasma pneumoniae, pneumonia, children 7935.
  determinants, sugars, Escherichia coli, interaction, Pseudomonas aeruginosa, lectins, hemagglutination 1857
  hemagglutinins serum levels, man, Streptococcus group B vaccines man 10256.
  relationship eczema, man 6949.
Blood pressure,
  monitoring, medical equipment, septicemia, nosocomial infection, etiology, man 11872.
  rats, clostridium perfringens type C β-toxin effects on 6013.
Blood sucking,
  Arthropoda, transmission, Anaplasma marginale, cattle, reviews 9374.
Blood transfusion,
  leukocytes (granulocytic), neutropenia treatment, Staphylococcus aureus experimental infection, neonates dogs 6376.
  reaction, erythrocytes, antigen T activation, anaerobic bacteria infection, man 13252.
  treatment, peritonitis, man 9202.
Blood vessels,
  cattle, Dermatophilus congolensis, dermatophilosis, effects on 4559.
  eye, rabbits, Salmonella typhimurium endotoxins effects on 6871.
  grafts, dogs, Staphylococcus aureus experimental infection, treatment, oxacillin bonding 13403.
Blotch,
  Pseudomonas fluorescens, etiology, pathology, Agaricus bisporus 9402.
Blue stain,
  fluorescence staining, poly-β-hydroxybutyrate, Bacillus megaterium 8275.
Body fluids,
  neonates man, Streptococcus group B antigens, identification, latex agglutination 6874.
Body temperature,
  association, amnion infection, man 3381.
  chickens, juveniles, Escherichia coli, endotoxins, inoculation, effects on 4242.
  effects on, leprosy, distribution, skin, man 3275.
  effects on, Mycobacterium leprae, Mycobacterium marinum, infection, mice 3202.
Body weight,
  pathogens, biological control, larvae, Bacillus thuringiensis, Achoea janata 4599.
Boeckosimus affinis,
  symbiosis, bacteria microflora 10734.
Bolation,
  Vibrio parahaemolyticus, identification, seasonal variations, coastal waters, Mexico 12175.
Bolivia,
  cattle, juveniles, infection, Babesia bovis, Anaplasma marginale, antibody response 11578.
  cattle, Leptospira, infection, diagnosis, incidence 4554.
  Citrus, plant diseases, viruses, bacteria, fungi, incidence 9405.
Bone,
  abscesses, man, Staphylococcus, case reports 935.
  allografts, preservation, silver, antibacterial activity 8846.
  bacteria infection, treatment, moxalactam, man 8052.
  carcasses, association, wound infection, Streptococcus pyogenes, Staphylococcus aureus, occupational exposure, abattoirs, man 4358.
  finger, Pasteurella infection, presentation, tumors, man, case reports 3532.
  fusion surgery, man, tuberculosis elbow 6316.
  infarction, association, Staphylococcus endocarditis, man, case reports 10467.
  infection, bacteria, antibiotics treatment, animal models 5387.
  infection, bacteria, treatment, antibiotics, man 3535.
  infection, bacteria, treatment, osmic acid, man 3536.
  infection, Rickettsia burnetti, man 9300.
  macrophages cell-mediated resorption, bacteria endotoxins effects on, man 1839.
  pathology, Neisseria meningitidis, bacteremia, children, case reports 2197.
  pathology, syphilis, man 3433.
  resorption, gram-positive bacteria, noma, man 9223.
  sepsis, treatment, gentamicin+polymethyl methacrylate beads, man 4486.
  Staphylococcus aureus, infection, treatment, clindamycin, man, case reports 3524
  tuberculosis, osteomyelitis, man 9286.
  tuberculosis, treatment, man 3550.
Bone diseases,
  bacteria, treatment, diagnosis, pathology, man 3748.
  Staphylococcus aureus, antibiotic resistance, treatment, pristinamycin, infants, man 999
Bone loss,
  jaw, rats, vaccination, Bacteroides corrodens, effects on 554.
Bone marrow,
  aplasia, association, Shigella sonnei septicemia, intestine perforation, man, case reports 8040.
  bacteria infection, Cyclura cornuta 10700.
  culture, diagnosis, Mycobacterium, infection, man 5445.
  culture, Mycobacterium, mycobacteriosis, diagnosis, lung, man 6973.
  recovery, association, leukocytes (granulocytic) transfusion, treatment, neutropenia, man 9218.

Bones,
infection, bacteria, association, immunodeficiency, man 5391.
Staphylococcus infection, diagnosis, man 5394.
Bonnemaisoniaceae,
extracts, antifungal activity, antibacterial activity, marine environment 1772.
Books,
Aves, wildlife diseases, etiology, aquatic environment 7348.
bacteria contamination, frozen food, counting methods 13538.
bacteria, pathogenicity, Insecta 9497.
bacteria spores, sporicides 12190
bioenergetics, reviews 10823.
clinical microbiology, automated methods 13536.
clinical microbiology, bacteria, infection, diagnosis, serological tests, methodology, man 12192.
clinical microbiology, methodology, isolation, identification 13534.
Clostridium botulinum type E, botulism, fishery products contamination, man 13535.
conferences, bacteria, genetic engineering, plasmids, secondary metabolism 12194.
conferences, bacteria, nitrogen fixation, genetic engineering, transposons, recombination, RNA biosynthesis 10833.
conferences, bacteria, nitrogen fixation, pathogenesis, plants infection 13544.
conferences, bacteria, R factors, antibiotic resistance, genetic analysis 10828.
conferences, biodegradation, xenobiotics, lignin, aromatic compounds, dyes, pesticides 12198.
conferences, heterotrophic bacteria activity, Finland lakes 12197.
conferences, Legionella pneumonia, diagnosis, clinical aspects, man 10843.
conferences, legionnaire's disease, immunodiagnosis, genetic engineering, RNA biosynthesis regulation 10830.
conferences, treatment, infectious diseases, man 13549.
ecological evaluation, microcosms 8248.
heat shock activation, gene expression, Escherichia coli 13537.
ions pumps, membranes, transport, reviews 13533.
nitrogen cycle, ecosystem analysis, Africa, West 8249.
nitrogen fixation, symbionts, host plants, infection, recognition, energetics, conferences 9480
nosocomial infection, nosocomial environments, disease control, immunocompromised hosts, antimicrobial resistance, bacteria, man, conferences 10835.
Pseudomonas aeruginosa infection, clinical aspects, treatment, man 12191.
psychrotrophic bacteria, spoilage, virulence, meat, food, fishery products 9499.
Boophilus decoloratus,
bacteria infection, isolation, pathogens 7293.
Boophilus microplus,
infestation, disease transmission, pest control, livestock, Australia 4549.
Bordetella,
adenylate cyclase activity, repression, association cyclic AMP 9733.
clinical aspects, culture, isolation, identification 10892.
Bordetella bronchiseptica,
+adenovirus (canine) 2, +parainfluenza virus, combined vaccines, treatment, kennel cough, dogs 4345.
animal isolates, domestic animals, antibiotic sensitivity testing, Netherlands 3000
animal isolates, R factors, antibiotic resistance 10008
antibiotic resistance, spectinomycin, ampicillin, R factors, characterization 5938.
atrophic rhinitis, etiology, immune response, pigs 1061.
atrophic rhinitis, histopathology, pigs 3585.
clinical isolates, antibacterial activity, drug sensitivity testing, cats, dogs 1758.
drug resistance, association R factors, isolation pigs juveniles 6850.
effects on respiratory tract ciliary movement, animal models 3345.
experimental infection, pigs, ammonia effects on 1075.
infection, association, Hodgkin's disease, man, case reports 4498.
infection, oxytetracycline treatment, juveniles, pigs 12081.
infection, serological surveys, pigs 4582.
isolates, respiratory tract diseases, antibacterial agents, susceptibility, cats, dogs 7870.
isolation, pigs nose, media (selective) 1255.
killed, vaccines, immunogenicity, mice 9041
peritonitis, opportunistic infection, treatment, chloramphenicol, man, case reports 2296.
pneumonia, epizootiology, lesions, pathology, guinea-pigs 10677.
pneumonia, Phascolarctos cinereus, Australia 1110.
tracheobronchitis, prophylaxis, parainfluenza virus, vaccination, dogs 3645.
vaccination, antibody response, dogs 635.
vaccination, antibody response, pigs 625.
Bordetella like bacteria,
immunization (passive), parents, association, offspring immunity, turkeys 4330.
Bordetella pertussis,
adenylate cyclase, calmodulin stimulation 7581.
antibiotic sensitivity testing, clinical isolates 7769.
antigens, biological properties 526.
antigens, modulation 6051.
combined vaccines, Corynebacterium diphtheriae+Clostridium tetani, vaccination, abscesses complications, injection sites, man 661.
histamine sensitization factors effects on heart, toxicity, vaccines, rats 6092.
histamine sensitization factors, glycerol release induction, adipocytes, rats 11253.
hyperinsulinemia, animal models 993.
infection, man, Australia, disease control, immunization, reviews 9056.
infection, mice, pertussis, characterization 8101.
pertussis, adults, Sweden 4391.
pertussis, association, pregnancy, man 802.
pertussis, children, British Isles 790.
pertussis, children, vaccines characterization 9026.
pertussis, epidemiology, man, British Isles 10476.
pertussis, etiology, man 4493.
pertussis, immunodiagnosis, children 11705.
pertussis, incidence, man, British Isles 6979.
pertussis, man, case surveys 9126.
pertussis, prophylaxis, epidemiology, prognosis, man 1977.
pertussis, symptoms, children, case reports 2000.
pertussis, treatment, antibiotic 6059-S, man 2020.
pertussis, treatment, erythromycin, co-trimoxazole, children, man 4385.
pertussis, treatment, infants, man 6990.
pertussis, vaccination, children 6132.
pertussis, vaccination, efficacy, man 2010.
Bordetella pertussis, (continued)
pertussis, vaccination, immune response, children 7957.
pertussis, vaccination, immune response, children 7957.
pertussis, vaccination, man 13058.
pertussis, vaccination, oral administration, man 13057.
pertussis vaccines, lymphocytosis, sphenomegaly, gnotobiotics, mice 9031.
phages, release, vaccines, production 1650.
plasmids transfer, conjugation, transformation 12843.
toxicity, isolation, structure, characterization, hamsters cells 6869.
vaccination+Clostridium tetani+Corynebacterium diphtheriae, side effects, infants, children, man 3246.
vaccination, adolescents, reviews 611.
vaccination, effects on lipid metabolism, hamsters 1910.
vaccination, neonates, man 637.
vaccination, polymyxin B effects on toxicity 3256.
vaccination, prophylaxis, pertussis, man 9045.
vaccination, thymectomy, association, immune system, mice 6119.
vaccines adjuvanticity, encephalitis side effects, children 6930.
vaccines, vaccination, immunization (passive), man 613.
Boric acid,
antibacterial activity, Pseudomonas aeruginosa, clinical isolates 12898.
effects on dinitrogenase reductase inhibition, Rhodospirillum rubrum 1526.
Boromycin,
biosynthesis, characterization, Streptomyces 5895.
Borrelia,
clinical aspects, diagnosis, culture, man 12020.
Borrelia anserina,
infection, disease transmission, chickens, role, Argas persicus, Argas africolumbae 6356.
spirochetosis, pathogenesis, coagulation, role, chickens 4543.
Borrelia duttoni,
experimental infection, association, endotoxins release, relationship, serum levels, platelets, leukocytes, mice 8978.
Borrelia hermsii,
penicillin, antibacterial activity, characterization 8767.
phagocytosis, leukocytes (polymorphonuclear), opsonization, characterization, man 6112.
Bothrops,
Leptospira infection, agglutination assays, serological surveys 7252.
Botryomycosis,
clinical aspects, man, case reports 4476.
clinical aspects, man, case reports 4476.
Bottle feeding,
sugars liquids, induction dental caries, infants, man 9085.
Bottles,
nursing, dental caries, oral microflora, infants, man 13096.
wine, corks, Bacillus, antimicrobial activity, sulfur dioxide 8837.
Botulism,
aminoglycoside antibiotics stimulation toxicity, children, case reports 6914.
assays, Clostridium botulinum, toxins, man, infants 3414.
association, breast feeding, infants, case reports 5381.
association, salivary gland content, histamine, 5-hydroxytryptamine, rats 1815.
cattle, USA, Oregon 6367.
chickens, case reports, USA, Delaware 6336.
clinical aspects, antibiotics treatment, case reports, infants 11523.
clinical aspects, treatment, infants 881.
Clostridium botulinum, case reports, infants, man 7171.
Clostridium botulinum clinical isolates, toxins variants, infants, man 3140.
Clostridium botulinum, infants, man, case reports, Canada 7026.
Clostridium botulinum, juveniles, horses, case reports 7264.
Clostridium botulinum type E, fishery products contamination, books 13535.
Clostridium botulinum, wound infection, diagnosis, clinical aspects, children, case reports 7102.
diagnosis, detection, Clostridium botulinum toxins, feces, Anas 2366.
epidemiology, relationship, sudden-infant-death syndrome, infants, man 3469.
etiology, diagnosis, clinical aspects, treatment, man 4471.
infants man, immunosuppression, breast milk, cow's milk, comparison 8960.
laboratories diagnosis, use, feces, man 8015.
man, clinical aspects 11913.
man, Clostridium botulinum, diagnosis, epidemiology 7025.
man, effects on neuromuscular junctions 10374.
man, Portugal, epidemiology 9133.
risks, fish, vacuum packaging 5338.
source, ham, man 823.
Bouteloua gracilis,
rhizosphere, Protozoa, fungi, bacteria, observation methods 4621.
roots, exudates, effects on, Arthrobacter, Pseudomonas, streptomycin antibiotic resistance 2444.
Bovine diarrhea-mucosal disease virus,
Mycoplasma bovis, Pasteurella haemolytica, effects on, immune clearance, lung, cattle 10236.
Bovine rhinotracheitis,
shipping fever pneumonia, Pasteurella, interaction, herpesvirus (bovine) 1, pathology, etiology, cattle, reviews 10693.
Bovine rhinotracheitis virus,
infection, effects on, immunity, challenge, Pasteurella haemolytica, Pasteurella multocida, vaccination, cattle 9039.
Bovine serum albumin,
milk levels, Escherichia coli, mastitis, cattle 12069.
Bowel,
Bifidobacterium, Eubacterium, Propionibacterium, Lactobacillus, intestinal microflora, children, cefotiam, effects on 1918.
postoperative infection, Escherichia coli, Bacteroides, man, case surveys 5435.
Whipple's disease, immune response (cell-mediated), etiology, man 2048.
Bracen,
comparison, ampicillin, respiratory tract infection, bacteria, children 9111.
comparison, cotrimoxazole, treatment, respiratory tract infection, bacteria, children 9113.
comparison, penicillin, treatment, respiratory tract infection, bacteria, children 9115.
Brackish water,
coliforms survival, sediments effects on 8241.
estuaries, sediments, survival, Vibrio cholerae, Escherichia coli 8239.
lakes, Vibrio parahaemolyticus, Vibrio alginolyticus, survival 8242.
Brackish water environment,
decomposition, organic matter, bacteria, vertical distribution, Japan 6438.

Brackishwater environment,
  biodegradation organic matter, Vibrio, Acinetobacter 5638.
Bradophen,
  effects on, dental caries, streptococcus mutans, Actinomyces viscosus, animal models 1956.
Brain,
  abscesses, association, bacteria, dental sepsis, treatment, man, case reports 4370
  abscesses, bacteria, man, case reports 5339
  abscesses, brain tuberculosis presentation, man, case reports 2124.
  abscesses, Clostridium perfringens, Clostridium paraputrificum, case reports, man 6236
  abscesses, Fusobacterium nucleatum, man, case reports 5342.
  abscesses, Haemophilus paraphrophilus, children, case reports 3417.
  abscesses, man, bacteria, treatment, surgery 13221
  abscesses, man, tuberculosis, diagnosis, pathogenesis 11837.
  abscesses, Mycoplasma hominis infection, man, case reports 4483
  abscesses, Nocardia, diagnosis, case reports, man 10420
  abscesses, Nocardia otitidis-caviarum, leukocytes (neutrophilic) function association, man, case reports 11941.
  abscesses, Pasteurella multocida, association, otitis, man, case reports 7067.
  abscesses, Proteus mirabilis, neonates, man, case reports 10423
  abscesses, Staphylococcus aureus experimental infection, cats 1069
  abscesses, Staphylococcus aureus, pathology, Macaca mulatta 8108
  Actinomyces israelii, infection, diagnosis, man 4440
  bacteria aneurysm, rupture, association heart surgery, man 6242.
  choline, uptake, in vitro, toxins, Clostridium botulinum type C, Clostridium tetani, effects on 3134.
  Clostridium botulinum, Clostridium tetani toxins effects on acetylcholine, calcium transport, rats 6010.
  empyema, Pasteurella multocida, clinical aspects, diagnosis, treatment, man, case reports 2273
  Escherichia coli endotoxins effects on blood flow, dogs 12984.
  heart infusion, media (culture), Neisseria gonorrhoeae, growth conditions, methodology 12205
  Legionella pneumophila antigens localization, legionnaire's disease, neurological complications, man 10426
  man, abscesses, case surveys, infection, bacteria 10493.
  membranes, binding Clostridium tetani toxins fragments, rats 10094.
  mice, Mycobacterium leprae experimental infection, disease spread, effects on immunity (cell-mediated) 13413
  neurons development, Clostridium tetani toxins receptors, mice 11498
  neurotransmitters, rats, Clostridium botulinum, Clostridium tetani, toxins, effects on 497
  nocardiosis, Nocardia, association, kidney transplantation, case reports, man 6243
  pathology, syphilis, man 3434.
  rabbits, lipoproteins, inactivators, pyrogenicity, Escherichia coli lipopolysaccharides, column chromatography 489.
  rabbits, rats, chickens, lipoproteins, effects on pyrogenicity, Escherichia coli lipopolysaccharides 488.
  Streptococcus abscesses, treatment, syringes aspiration+craniotomy, man, case reports 6241
  surgery, postoperative infection, Bacillus cereus meningitis, man, case reports 884
  synaptosomes, Clostridium botulinum neurotoxins binding, mice 11501.
  tuberculoma, case reports, treatment, man 880
  tuberculoma, man, case reports 2108
  tuberculoma, treatment, antibiotics, diagnosis, man, case reports, reviews 892.
Bramhamella catarrhalis,
  respiratory tract isolates, isolation, media (selective), vancomycin+trimethoprim 3753.
Branchial cleft,
  abscesses rupture, association, thyroid bacteria infection, children, case reports 11895
Branhamella,
  clinical aspects, diagnosis, identification, methodology 10905
  conjunctivitis, etiology, children 2295.
  preservation, gelatin disc drying method, media (transport) 6454.
Branhamella catarrhalis,
  antagonism, genitourinary tract microflora, man, in vitro 2426.
  association, cough, nasopharynx, children 1992.
  clinical aspects, diagnosis, identification, methodology 10905.
  complement Cl$_q$ binding assays, otitis media isolates 607.
  conjunctivitis, diagnosis, neonates, man 2207.
  etiology, respiratory tract infection, man 778.
  isotation, nasopharynx, laryngitis, man 5299.
  ophthalmia, penicillin, antibiotic resistance, children, case reports 7216.
  penicillinase biosynthesis, clavulanic acid effects on 5758
  pneumonia, man, case reports 5298
  role, otitis media, antibody response, children 3313
Branta,
  fecal microflora 13356
Brassica oleracea,
  bacteria infection, herbicides effects on disease resistance 13433.
  Xanthomonas campestris black rot, leaves, wax characterization 5501.
Brassica rapa,
  growth factors, effects on Lactobacillus bulgaricus acid production 12693.
Brazil,
  Akodon arviculoides, Rattus rattus, isolation, Leptospira fluminense sp.nov., Leptospira rio sp.nov. 39.
  anaplasmosis, juveniles, cattle 7245.
  bakery products, Staphylococcus aureus enterotoxins, characterization 5995.
  cattle, anaplasmosis, incidence 7267
  cattle, mastitis, etiology, incidence 7266.
  children, dental plaque, gingivitis, teeth cleaning, fluoride applications, effects on 734.
  children, pharynx isolates, Streptococcus, incidence 5289.
  estuaries, Achromobacter, Myxobacteriales, Pseudomonas, abundance, seasonal variations 1235.
  gastroenteritis, Shigella sonnei, rotavirus, outbreaks, children, man 7991.
  irrigation systems, pollution, association feces indicator organisms, coliforms, streptococcus 7342.
  lakes, nutrient uptake, metabolism, heterotrophic bacteria 12185.
  reservoirs, nitrogen-fixing bacteria, seasonal variations, distribution 5548.
  skin diseases, bacteria, epidemiology, children 11664.
Brazil, (continued)
  Staphylococcus aureus, cattle, cow's milk, drug sensitivity testing, USA, California 7869.
Breast,
  carcinoma, bacteria etiology, man 2243.
  carcinoma, man, immunotherapy, Corynebacterium parvum vaccines 9036.
Breast feeding,
  association, botulism, infants, case reports 5381.
Breast milk,
  contamination, association, Klebsiella pneumoniae bacteremia, man, neonates, hospitals 10538.
  Coxiella burnetii disease transmission, man 1003.
  immunoglobulin A antibody response, Chlamydia trachomatis, man 8965.
  immunosuppression, botulism, infants man, cow's milk comparison 8960.
  man, bacteria, colonization 669
  man, immunological aspects, lactation time effects on 8959.
  man, leprosy, immunoglobulins levels 13084.
Breeding,
  houses, Falco peregrinus, Salmonella infection, incidence, pathogenesis, USA, New York 8100.
  laboratory animals, bacteriology 13373.
Bremia lactucae,
  infection, Lactuca sativa, virulence, USA, New York, 13450.
Brevibacterium,
  amines, effects on, growth 12446.
  comparison, Agromyces, Arthrobacter, Curtobacterium, Corynebacterium, Microbacterium, nucleic acids hybridization 12523.
  man, skin isolates, antibiotics biosynthesis 4148.
  media (isolation) 10854
  media (isolation), methodology 7360
  poultry animal isolates, characterization 4537.
  taxonomic revision, Corynebacterium 10908.
Brevibacterium ammoniagenes,
  biochemical characteristics, taxonomic revision, Corynebacterium 10908.
  deoxyribonuclease II, kinetics, mechanisms 12505.
  fatty acid synthetase, stereochemistry mechanisms comparison Saccharomyces cerevisiae 5738.
  morphology, cell cycle 12313.
Brevibacterium divaricatum,
  batch culture, glutamic acid biosynthesis, computer applications 176.
  glutamic acid biosynthesis, ethanol, association addition, mathematical models 173.
Brevibacterium flavum,
  amino acids biosynthesis 4832.
  biochemical characteristics, taxonomic revision, Corynebacterium 10908.
  chorismate mutase, activity, association, concentration, phenylalanine biosynthesis, tyrosine biosynthesis 3987.
  glucose, transport, phosphorylation 12467.
  glutamic acid biosynthesis, role glutamate dehydrogenase, isocitrate dehydrogenase 7532
  homoserine acetyltransferase, feedback inhibition 3956.
  immobilization, production, glutamic acid 200.
  phosphoenolpyruvate carboxylase, activity 11210.
  production, homoserine, lysine, alanine 12374.
  L-tryptophan biosynthesis 12566.
Brevibacterium fuscum,
  immobilized cells, 12-ketochenodeoxycholic acid biosynthesis 213.
  12-ketochendeoxycholic acid production 11249.
Brevibacterium linens,
  cytoplasmic membranes glycoproteins, isolation, characterization 11099.
  production, antifungal agents, antifungal activity, food contamination fungi 8158.
Brevibacterium stationis,
  biochemical characteristics, taxonomic revision, Corynebacterium 10908.
Breweries,
  bacteria, classification, nomenclature, reviews 1290.
  contamination, Enterobacteriaceae, detection methodology 1300.
Brewing,
  beer, Humulus, antimicrobial activity, bacteria, fungi 7860.
Brines,
  effects on, sulfur bacteria, algae, marine environments 3744.
  isolation, square bacterium, characterization, electron microscopy 77.
Brinjal,
  leaves, Mycoplasma, infection, biochemical analysis 2420.
British Isles,
  Alnus glutinosa, Alnus rubra, symbiosis, nitrogen fixation 3703.
  Asia immigrants, tuberculosis epidemiology 11971.
  Bacillus anthracis, spores distribution 9476.
  case surveys, man, gonorrhea, genital tract infection, treatment, epidemiology 8028
  chickens, pigs, incidence, antibiotic resistance, drug resistance, Escherichia coli 3063
  children, dental caries incidence 737.
  children, dental caries incidence, fluoridation effects on 736.
  children, dental caries, role, drinking water fluoridation 1966.
  children, pertussis, correlation, respiratory tract infection 790.
  Clostridium, enumeration, soil, rhizosphere, association, Daucus carota, root rot 10778.
  disease spread, Neisseria gonorrhoeae penicillinase biosynthesis, plasmids characterization 12235.
  food poisoning, epidemiology, etiology, association, Salmonella, Clostridium perfringens, man 11762.
  freshwater environments, sediments, nitrogen cycle, sulfate reduction, methanogenesis, decomposition, factors affecting 2490.
  freshwater environments, sediments, nitrogen cycle, sulfate reduction, methanogenesis, decomposition, factors affecting 3735.
  gonorrhea epidemiology, Neisseria gonorrhoeae, plasmids characterization, man 13242
  incidence, Vibrio cholerae, aquatic environments, animals, Aves 9493.
  lakes, filamentous microorganisms, sediments, distribution 2487.
  lakes, filamentous microorganisms, sediments, enumeration, seasonal variations 2488.
  lakes, nitrification, microorganisms 7339.
  lakes, nitrogen fixation, bacteria, sediment composition 6432.
  lakes, nitrogen-fixing bacteria, nitrogen fixation, sewage effects on 1243.
  Legionella micdadei, pneumonia, treatment, ampicillin, amoxicillin, man, case

British Isles, (continued)
reports 3334.
man, animals, outbreaks, Salmonella zanzibar infection, disease transmission 3487
man, Campylobacter jejuni enteritis, food-borne diseases, outbreaks 7983
man, homosexuality, association, gastrointestinal tract infection, Protozoa, bacteria 11760
man, meningitis, serotypes incidence 11835.
man, neonates, tetanus, epidemiology 1032.
man, streptococcus group B disseminated infection, epidemiology 8042.
man, toxic shock syndrome, Staphylococcus aureus, incidence 10131.
marine environment, sediments, cellulolytic bacteria enumeration 2498.
mastitis, cattle, case surveys 12054.
Mus musculus, incidence, Leptospira 9336.
mycobacteriosis, lung, man 6164.
Neisseria meningitidis, infection, mortality, man, surveys 7153.
occupational exposure, laboratories, infection, incidence, man 941.
Ochrobium, iron bacteria, ecology, lakes 3737.
pasteurellosis, Pasteurella multocida, epidemiology, Aves 7268.
pertussis, Bordetella pertussis, incidence, man 6979.
pigs, Leptospira interrogans antibodies, incidence, levels 602.
psittacosis, salmonellosis, pertussis, epidemiology, man 10476
Salmonella bovis morbificans infection, outbreaks, cattle 13408.
Salmonella, incidence, epidemiology, isolation 7277.
Salmonella infection, epidemiology, animals, clinical aspects 7243.
salmonellosis pollution source, man, animals 816.
sediments, nitrogen fixation, association sulfate-reducing bacteria 8210.
serological surveys, Leptospira, antibodies, sheep 6353.
sexually-transmitted diseases, females, man, surveys 2150.
Shigella sonnei, isolates typing 2554.
surface water contamination, association, infection, man 3452.
tetanus, surveillance, incidence 11889.
tuberculosis, epidemiology, man 10341.
tuberculosis, Mycobacterium bovis, clinical aspects, treatment, cattle 7284.
Ureaplasma, Acholeplasma laidlawii, isolation, genitourinary tract, sheep 7278.
water resources, Vibrio, distribution, enumeration, factors affecting 10812.

Brochothrix thermosphacta,
growth inhibition, palmitic acid 9665.
nomenclature, spoilage, taxonomy, meat, reviews 8289.

Brombexin,
+amoxicillin, treatment, respiratory tract infection, bacteria, adults, man 3348.
+amoxicillin, treatment, respiratory tract infection, bacteria, children 3349.

Bromide partition test,
use, diagnosis, meningitis, bacteria, children 8017.

Bromine,
effects on γ radiation lethal levels, radiosensitization, Streptococcus faecalis 3103.

2-Bromo-1, 5-dihydroxy-3-pentanone 1,5-bisphosphate,
Rhodospirillum rubrum, affinity labelling ribulosebisphosphate carboxylase, inhibition activity 6638.

2-Bromoacetamido-4-nitrophenol,
alkylation cysteine residues, cytochrome P-450cam, Pseudomonas putida 12479.

2-Bromoethanesulfonate,
use, media (isolation), Methanosarcina resistant mutant 9504.

6-Bromopenicillanic acid,
inhibition, Enterobacteriaceae penicillinase 1713.

N-Bromosuccinimide,
chemical modification tryptophan residues, histidine decarboxylase, Micrococcus 12631.

5-Bromouracil,
elimination, Mycoplasma contamination, cell culture 9531

5-Bromouridine,
alanyl-tRNA synthetase adducts formation, effects on activity, Escherichia coli 9682.

Bronchitis,
bacampicillin treatment, man 13125.
bacteria, antibiotics treatment, man 11747.
cephalexin, cefaclor, treatment, clinical trials, man 1994.
Haemophilus influenzae, Streptococcus pneumoniae, treatment, penicillins, bacampicillin, man 13119.
infection, Streptococcus pneumoniae, Staphylococcus, Haemophilus, immune response, man 599.
respiratory tract microflora, man, cigarette smoking effects on 6143.
sputum, isolation, Streptococcus pneumoniae, Haemophilus influenzae, leukocytes levels, man 763.
treatment, amoxycillin+clavulanic acid, man 9090.
treatment, ampilcillin, talampicillin, man 806.
treatment, bacampicillin, ampicillin, man 13120.
treatment, camphor, citral, glycyrrhizinic acid, azulan, oil of camomile, children 3316.

Bronchopneumonia,
isolation, Mycoplasma bovirhinis, pathogenicity, cattle 13395.
man, immune response, leukocytes (granulocytic) 13041.
Streptococcus zooepidemicus, treatment, horses, case reports 4552.
treatment, cefmetazole, man 777.

Bronchopulmonary infection,
bacteria, antibiotics treatment, man, reviews 13155.
bacteria, cefotaxime± ticarcillin treatment, man, association intensive care units 13117.
bacteria, histopathology, immunity, man 13038.
bacteria, pathophysiology, immune response 11581.
gram-negative bacteria, sisomicin aerosols treatment, man 10352.

Bronchoscopy,
diagnosis, lung tuberculosis, man 4389.
diagnosis, pneumonia, Nocardia asteroides, Mycobacterium tuberculosis, immunocompromised hosts, man 6998.
diagnosis, tuberculosis, man 4402.
diagnosis, tuberculosis, man 9114.

Bronchus,
carcinoma, Corynebacterium parvum vaccination toxicity, man 11635.

Bronopol,
effects on Pseudomonas aeruginosa potassium flux 5613.
pH, temperature, media (culture), effects on stability, activity 5126.

Broth,
glucose, Bacillus cereus, Clostridium perfringens, phospholipase activity 4223.

Brotogeris versicolorus chiriri,
Chlamydia psittaci, psittacosis, treatment, prophylaxis 2362.

Brown holo-membranes,
phase transition, X-ray diffraction, C.D., absorption spectroscopy, Halobacterium halobium 4784.

Brucella,
antibodies, incidence, serum, Artiodactyla, Germany, Fed. Rep. 3637.
brucellosis, antibody response, serum levels, man 13050.
brucellosis, association, arthritis, histocompatibility antigen HLA, man 1010.
brucellosis, clinical aspects, diagnosis, treatment, man 2255.
brucellosis, diagnosis, enzyme-linked immunosorbent assay, man 11535.
brucellosis, diagnosis, incidence, case reports, man 13301.
brucellosis, diagnosis, rose bengal assays, characterization, cattle 12065.
brucellosis, immunodeficiency, suppressor cells, colchicine effects on, man 1873.
brucellosis, immunodiagnosis, Alces alces 10662.
brucellosis, incidence, man, France 7195.
brucellosis, lymphocytes B, lymphocytes T, levels, man 589.
brucellosis, pathology, juveniles, horses 10704.
brucellosis screening, serum agglutination assays, cattle 12064.
brucellosis, serological surveys, cattle, Togo 13376.
brucellosis, serotyping, cattle, Nigeria 7262.
brucellosis, syncerus caffer, serological surveys 6345.
brucellosis, testosterone, serum levels, man, case reports 7210.
brucellosis, treatment, tetracyclines, ± streptomycin, +rifampicin, man 10479.
comparison, Yersinia enterocolitica, haptens, antigenic determinants 13002.
immunoglobulin E, vaccination, immune response, man 10257.
infection, blood donors, infectious diseases, vaccination 12012.
infection, man, kidney diseases, association, glomerulus 10413.
infection, serological surveys, man, abattoirs, occupational exposure 4509.
isolation, identification, clinical aspects 10894.
liver abscesses, man 12019.
macrophages, phagocytosis, ultrastructure 10204.
meningitis, differential diagnosis, Mycobacterium tuberculosis, clinical aspects, man 7063.
Meningomyelitis, man 11842.
osteoarthritis, clinical aspects, man 3546.
role, cervix compression, man, case reports 8036.
serotyping, brucellosis, man, Greece 7382.
taxonomy 8332.
vaccination, association, antibiotics effects on immune response, rabbits 10254.
vaccination, effects on, reproduction, cattle, Ivory Coast 1912.

Brucella abortus,
agglutinins, serum levels, detection, serological surveys, horses 11587.
antibodies, radiometry, hemolysis tests antigens, characterization 6029.
antibody response, Yersinia enterocolitica experimental infection effects on, cattle, juveniles, guinea-pigs 1068.
antigens, characterization, immune response, cattle 6097.
antigens, liposomes, effects on lymphocytes response, phytohemagglutinin, cattle 605.
brucellosis, abortion, cattle 7235.
brucellosis, abortion, goats 7263.
brucellosis card test, immunoglobulin G levels, use, dithiothreitol 7908.
brucellosis, diagnosis, hemolysis, cattle 2341.
brucellosis, horses 10674.
brucellosis, immunity (cell-mediated), assays, lymphocytes, milk, cattle 10137.
brucellosis, occupational exposure, abattoirs, serology, man 6286.
brucellosis, outbreaks, man, abattoirs, Australia 5427.
cross-reactivity, antigenic relationship, Yersinia enterocolitica 13013.
detection, enzyme-linked immunosorbent assay, milk 5187.
detection, milk ring test, cattle 1094.
EDTA immunoglobulin M, Fc receptors binding, agglutination 7909.
experimental infection, Didelphis virginiana, pathogenesis 8118.
experimental infection+vaccination, association, leukocyte migration inhibition, cattle 9037.
extracts, bactericidal activity 7884.
immune response, cattle, immunodiffusion 502.
immune serum, agglutinins, calcium cations, association, agglutination 11572.
incidence, man, Mammalia, Canada 1070.
infection, antibody response, serum levels, man 8954.
infection, bacteria serum levels, placenta, umbilical cord, fetuses, cattle 3613.
infection, epidemiology, wildlife, USA 8120.
intravenous administration challenge, bacteria+infection, mice 12073.
isolates, infection, cattle, penicillin susceptibility 8803.
isolation, abattoirs samples, emulsification, centrifugation 6.
killed, detoxification, antitumor activity 5227.
lipopolysaccharides, effects on cattle macrophages, in vitro 3221.
meningoencephalitis, diagnosis, children, man, case reports 4439.
purification, antigens, antigenic characteristics 4259.
vaccination, antibody response, cattle 7956.
vaccination, cattle, juveniles 4328.
vaccination, lymphocytes immune response, levamisole immunostimulation, cattle 6128.
vaccines, temperature, vacuum, effects on freeze-drying 13052.
viability, stabilization media (culture) 3768.

Brucella canis,
abscesses, uterus, dogs, case reports 2340.
brucellosis, dogs 10678.
brucellosis, pathogenesis, epidemiology, treatment, dogs, man 7285.
brucellosis, seroepidemiology, dogs 9364.
cell walls antigens, role, colonial characteristics 86.
cell walls extracts, antigenic characteristics 4264.
dogs, diagnosis, agglutination assays 5189.
fatty acid composition, identification 6677.
infection, diagnosis, agglutination, dogs 3161.
infection, spermatozoa agglutination, infertility, autoimmunity, dogs 6916.
infection, treatment, clinical trials, dogs 12062.
isolation, Rhipicephalus sanguineus 7292.

Brucella melitensis,
arthritis, man, case reports 3530.
brucellosis, abortion, goats 7263.
brucellosis, cimetidine effects on, case reports, gastrointestinal tract, man 13170.
brucellosis, vaccines production, immunological aspects, sheep, goats 11637.
clinical isolates, antibiotic sensitivity testing in vitro 11383.
endocarditis, immune response (humoral), immune response (cell-mediated),

Brucella melitensis, (continued)
  antibiotics treatment, man, case reports 9238.
  infection, antibody response, serum levels, man 8954.
  isolation, pleural fluid, man 11742
  polysaccharides, purification, use immunodiffusion 8907.
  vaccination, prophylaxis, Brucella ovis, infection, sheep, males 4327.
Brucella ovis,
  epididymitis, immunodiagnosis, enzyme-linked immunosorbent assay, immunofluorescence, complement fixation, sheep 13409.
  infection, isolation, new records, sheep, case reports, Australia 7237.
  infection, prophylaxis, Brucella melitensis, vaccination, sheep, males 4327.
Brucella suis,
  biotypes differentiation, phage typing 8294.
  experimental infection, dogs, Canis lupus, Ursus americanus, Ursus ardros horribilis 1063.
  experimental infection, penicillin treatment, L form isolation, characterization, mice 7213.
  fatty acid composition, identification 6677
  L form, immunogenicity, lymphoid tissue, mice 11595.
  hepatitis, diagnosis, clinical aspects, man, case reports 4533.
  immunity, role histocompatibility antigen H-2, mice 8985.
  infection, antibody response, serum levels, man 8954.
  macrophages, phagocytosis, phagosomes, fusion, lysosomes, mice 11565.
Brucellosis,
  abortion, cattle 7235.
  antibody response, serum levels, man 13050.
  association, arthritis, histocompatibility antigen HLA, man 1010.
  association, spondylodiscitis, man, case reports 5405.
  blood donors, infectious diseases, vaccination 12012.
  Brucella abortus, horses 10674
  Brucella abortus, occupational exposure, abattoirs, serology, man 6286.
  Brucella abortus, outbreaks, man, abattoirs, Australia 5427
  Brucella canis, dogs 10678.
  Brucella canis, pathogenesis, epidemiology, treatment, dogs, man 7285
  Brucella canis, seroepidemiology, dogs 9364.
  Brucella melitensis, Brucella abortus, abortion, goats 7263
  Brucella, syncerus caffer, serological surveys 6345.
  Brucella, testosterone, serum levels, man, case reports 7210.
  cimetidine effects on, case reports, gastrointestinal tract, man 13170.
  clinical aspects, diagnosis, treatment, man 2255.
  clinical aspects, treatment, diagnosis, man, reviews 11974.
  diagnosis, enzyme-linked immunosorbent assay, man 11535.
  diagnosis, hemolysis, cattle, Brucella abortus 2341.
  diagnosis, incidence, case reports, man 13301.
  diagnosis, rose bengal assays, characterization, cattle 12065
  disease transmission, animals, man, disease control 2242
  dogs, Ursus americanus, Canis lupus, Ursus ardros horribilis, experimental infection, Brucella suis 1063.
  immunity (cell-mediated), assays, lymphocytes, milk, cattle 10137.
  immunodeficiency, suppressor cells, colchicine effects on, man 1873.
  immunodiagnosis, Alces alces 10662
  incidence, man, France 7195
  lymphocytes B, lymphocytes T, levels, man 589.
  man, Brucella serotyping, Greece 7382.
  pathology, juveniles, horses 10704.
  sacroileitis, man 5416.
  screening, serum agglutination assays, cattle 12064.
  serological surveys, cattle, Togo 13376
  serotyping, Brucella, Nigeria 7262.
  treatment, tetracyclines, ± streptomycin, +rifampicin, man 10479
  vaccines, bioassays 10275.
  vaccines production, immunological aspects, sheep, goats 11637.
Brucellosis card test,
  immunoglobulin G levels, use, dithiothreitol 7908.
Brush border membranes,
  factors affecting, rabbits, adherence, cell adhesion 2581.
Bryophyta,
  Agrobacterium, isolation, identification 4698.
Bryozoa,
  larvae, symbiosis, bacteria 2399.
Bubalus bubalis,
  antibodies serum levels, Leptospira interrogans, association, abortion 10219.
Budding,
  Acholeplasma laidlawii, membrane structure, release Mycoplasmatales virus-laidlawii 8715.
  Listeria monocytogenes, cytoplasm, morphology, ultrastructure 2596
Budding bacteria,
  Planctomyces, ultrastructure 8388.
Buds,
  Juglans regia, distribution, blight, Xanthomonas juglandis 7304.
Buffalo,
  juveniles, feces, Salmonella, detection, incidence 50.
Buffaloes,
  Pasteurella multocida, isolation, biochemical characteristics, serotyping, Malaysia 34.
  rumen microorganisms, bacteria, growth, relationship, diet 2332.
Buffy coat,
  microscopy, use, bacteremia diagnosis 10484
Bugula neritina,
  larvae, symbiosis, bacteria 2399.
Bugula pacifica,
  larvae, symbiosis, bacteria 2399.
Bugula simplex,
  larvae, symbiosis, bacteria 2399.
Bugula stolonifera,
  larvae, symbiosis, bacteria 2399.
Bugula turrita,
  larvae, symbiosis, bacteria 2399.
Buildings,
  airborne microorganisms, bacteria, vertical distribution, Hungary 10819.
  pigs, airborne microorganisms, fungi, bacteria 3746.
Bulgaria,
  legionellosis, association, Legionella pneumophila isolation, lakes, characterization, serotyping, man, Bulgaria 10931.
Bulgaria (People's Rep.),
  fruit trees, disease resistance, infection, Mycoplasma, viruses, incidence 2417.
Bulgaria, People's Rep.,
  Insectivora, Rodentia, Listeria carriers, serotyping 7385.
Burma,
  Mycobacterium tuberculosis, isolation, colonial characteristics 12350.
Burn infection,
  animal models, Proteus mirabilis, Pseudomonas aeruginosa 945.
  antibacterial agents, Pseudomonas aeruginosa, animal models, mice 13330.
  association, antibodies serum levels, man 10197.
  association, nosocomial environments, Pseudomonas aeruginosa isolation, clinical aspects, case reports, man 8970.
  bacteremia, endocarditis, Serratia marcescens, treatment, cefotaxime, children 685.
  bacteria, adherence, antibiotic therapy, skin, man, reviews 3274.
  bacteria, diagnosis, treatment, man 9270.
  bacteria, treatment, antibiotics, man, reviews 13256.
  burn patients, penicillin antibiotic prophylaxis treatment effects on 6152.
  disease control, prophylaxis, association, antibiotic resistance bacteria, man, hospitals 10550.
  isolates, antibacterial activity, cotrimoxazole, topical application, in vitro 1763.
  isolation, bacteria, man 1929.
  prophylaxis, man, hospitals, USA 11902.
  Proteus mirabilis, experimental infection, pathology, rats 10528.
  Pseudomanas aeruginosa, man 7965.
  Pseudomonas aeruginosa, animal models 1030.
  Staphylococcus, immunotherapy, man 11991.
  treatment, rifamycin, man 982.
Burn patients,
  association, gram-negative bacteria sepsis, gentamicin, serum levels, treatment, man 10505
  bacteremia, Aeromonas hydrophila, water-borne diseases 9212.
  fluidized beds, corn cobs particles, sterility, dehydration, Escherichia coli, Bacillus subtilis 11930.
  immunity (humoral), phagocytes, man, characterization 10237.
  nutritional shifts, role, sepsis diagnosis 11885.
  penicillin antibiotic prophylaxis treatment, effects on cellulitis burn infection 6152.
  Pseudomonas aeruginosa, antibiotic resistance gentamicin, association bedding 6946.
  Staphylococcus aureus, antibiotic resistance, epidemiology, nosocomial environments 8793.
  treatment, use, sterilization environments, nosocomial infection control, man 1041.
Burns,
  skin, effects on lung clearance, Pseudomonas aeruginosa, rats 11728.
  wound infection, animal models, Proteus mirabilis, Pseudomonas aeruginosa 945.
  wound infection, detection, microorganisms, culture, man 699.
Bursectomy,
  chickens, effects on experimental infection, Mycoplasma synoviae 12052.
Bursitis,
  association, erysipelas, Streptococcus pyogenes, case reports, man 6944.
  septicemia, antibiotics treatment, man 11968.
2,3-Butanedione,
  antimicrobial activity, bacteria 11462.
  chemical modification aminopeptidase, effects on activity, Aeromonas 4934.
  inactivation acetate kinase, Escherichia coli 3976.
  inactivation aminopeptidase, Aeromonas 8566.
Butanol,
  +acetone biosynthesis, Clostridium acetobutylicum, continuous culture, association, pH, ammonium 11250.
  biosynthesis, Clostridium acetobutylicum, pH, butyrate, effects on 8645.
  clostridium acetobutylicum, production, hemicellulose biodegradation 9817.
  Clostridium acetobutylicum, production, induction, acetate+butyrate 5810.
L-Butanol,
  biosynthesis, hexoses+pentoses, fermentation, Saccharomyces cerevisiae, Clostridium acetobutylicum 11010.
Butirosin,
  production, Bacillus circulans, association, plasmid pIP850, aminoglycoside 3'-phosphotransferase genes 8727
Buttiauxella gen.nov,
  characterization 12266.
Butylated hydroxyanisole,
  antibacterial activity, food preservatives 7849.
  antibacterial activity, Salmonella typhimurium, characterization 8819.
t-Butylhydroquinone,
  effects on Staphylococcus aureus, Pediococcus pentosaceus, in vitro 3083.
Butyramide,
  Pseudomonas aeruginosa, metabolism, isolation recombination mutants 9837.
Butyrate,
  acetate, induction, acetone, butanol production, Clostridium acetobutylicum 5810.
  Clostridium acetobutylicum, effects on, acetone, butanol, biosynthesis 8645.
  metabolism, microorganisms, anaerobic environments, salt marshes 12713.
Butyribacterium methylotrophicum,
  carbon monoxide, metabolism, characterization 5671.
Butyric acid,
  biosynthesis, Eubacterium limosum, use, betaine 4071
Butyrivibrio fibrisolvens,
  isolation, rumen, sheep 5451.
Butyryl-CoA synthetase,
  purification, characterization, Pseudomonas aeruginosa 6653.
Byssinosis,
  bacteria, books, conferences 13544.
  gram-negative bacteria endotoxins, plants phylloplane, endotoxins 12980
  gram-negative bacteria, etiology, toxins, occupational exposure, Gossypium, man, reviews 9121.

C.D.,
  bacteriopheophytin c, reaction centers, Chlorobium limicola 4779.
  bacteriorhodopsin peptides conformational analysis 11024.
  bacteriorhodopsin, purple membranes, fluorescamine chemical modification, Halobacterium halobium 6560.
  chlorosomes plasma membranes bacteriochlorophyll characterization, Chloroflexus aurantiacus 8479.
  chromatium vinosum, bacteriochlorophyll a proteins complex 3867.

C.D., (continued)
- conformational analysis thioredoxin, Escherichia coli 3942
- conformational analysis, toxins, Clostridium tetani 5153.
- elongation factor Tu, nucleotides binding sites, Escherichia coli 1455.
- enterotoxins secondary structure, Vibrio cholerae 8870.
- enterotoxins, Staphylococcus aureus 5156.
- enterotoxins, Staphylococcus aureus 10064.
- ferredoxin, Clostridium pasteurianum, comparison Chromatium, Desulphovibria gigas, Azotobacter vinelandii 3934.
- initiation factor 1, initiation factor 2, initiation factor 3, Escherichia coli 2739.
- lactose repressors, thermal stability, relationship DNA binding, Escherichia coli 8663.
- nitrogenase, Klebsiella pneumoniae 4876.
- protons pumps, bacteriorhodopsin, purple membranes, Halobacterium halobium 2676.
- purple membranes, brown holo-membranes, phase transition, Halobacterium halobium 4784
- pyocins, Pseudomonas aeruginosa 7709.
- pyruvate oxidase secondary structure, Escherichia coli 11146.
- ribosomal protein S7, secondary structure, tertiary structure, Escherichia coli 4815.
- ribosomal proteins, Bacillus subtilis, Micrococcus lysodeikticus 12550.
- rifampicin binding RNA polymerase, mechanisms, Escherichia coli 7586.
- secondary structure, protein A, Staphylococcus aureus 11125.
- tertiary structure ribosomal protein L29, ribosomal protein L30, Escherichia coli 11113.

C-Reactive protein,
- inhibition complement alternative pathway activation, liposomes, Streptococcus pneumoniae 6096.
- man, binding, Streptococcus pneumoniae 10959
- mice, Streptococcus pneumoniae infection, role, opsonization 6090.
- prognosis indicators, urinary tract infection, cefaclor treatment, man 10402.
- role, complement, immunostimulation, leukocytes (neutrophilic), Streptococcus pneumoniae 11611.
- role, immunity, Streptococcus pneumoniae, mice 11606.
- Streptococcus pneumoniae polysaccharides, complement, induction, precipitation 11576.
- use, bacteria infection detection, association, leukemia, man 12008.

Cabbage,
- juices, use, media (culture), lactic acid bacteria growth 4673.

Cadaverina,
- peptidoglycans complex, biosynthesis, Selenomonas ruminantium 11225.

Cadaverine,
- clinical aspects, vaginitis, Trichomonas vaginalis, diagnosis, biochemical characteristics, man 7041.

Cadavers,
- animals, decomposition, aerobic bacteria, heterotrophic bacteria, marine environments, Japan 8451
- animals, decomposition, association, bacteria, lipolysis, proteolysis, marine environments, Japan 8458.

Cadeguomycin,
- Streptomyces hygroscopicus, production 7712.

Cadmium,
- air pollution effects on, Aureobasidium pullulans, microflora, leaves, Pinus nigra 6410.
- association, spore coats, spores, Bacillus megaterium 5625.
- bacteria resistance, pollution effects, soil 9434.
- drug resistance, Staphylococcus aureus, efflux, role, plasmids 3113.
- drug resistance, Staphylococcus aureus, plasmid IP 983 5034.
- drug resistance, Staphylococcus aureus, plasmids, toxins, production, genetic analysis 1679.
- inhibition, growth, Escherichia coli 11464.
- pollution effects, soil microorganisms, bacteria, growth 1175.
- resistance, plasmid pIP983, Staphylococcus aureus, characterization 12850.
- resistance, role cadmium sulfide formation, Klebsiella aerogenes 12959.
- toxicity, microorganisms, reviews 10038.
- toxicity, Pseudomonas aeruginosa, Aeromonas, adaptations 447.
- toxicity, Staphylococcus aureus, cysteine, sodium selenite, effects on 443.
- transport, cadB gene, cadA gene, plasmids, vesicles, Staphylococcus aureus 6500.
- transport, Staphylococcus aureus, plasmids, role, drug resistance 3106.

Cadmium sulfide,
- formation, Klebsiella aerogenes, role cadmium resistance 12959.

Caecum,
- Escherichia coli, ampicillin antibiotic resistance, pigs 10639.

Caedibacter sp.nov,
- characterization 12266.

Caffeine,
- biodegradation, intestinal microflora, rats 13068.
- DNA biosynthesis, effects on nucleotides levels, relationship, Escherichia coli 8494.
- effects on, Clostridium perfringens, sporulation, enterotoxins biosynthesis 1811.
- effects on methylmethanesulfonate induction his gene reversion, Salmonella typhimurium alkylation, Bacillus subtilis 11256.
- inhibition DNA polymerase I, Escherichia coli, Micrococcus luteus 5753.
- mutagenesis, Streptomyces clavuligerus, mutants, U.V. radiation, sensitivity 9820.

Cajanus cajan,
- Rhizobium inoculation, soil, nutrient deficiencies 1189.
- Rhizobium nodulation, screening, methodology 7334.

Calcium,
- binding proteinase, N.M.R., Bacillus thermoproteolyticus 9762.
- cations, association, agglutination, Brucella abortus, immune serum, agglutinins 11572.
- deprivation, inhibition RNA biosynthesis, Yersinia pestis 5712.
- distribution, Bacillus coagulans spores, electron probe analysis 87.
- effects on aminoglycoside antibiotics antibiotic sensitivity testing, clinical isolates, Pseudomonas aeruginosa 6782.
- effects on, antibiotic sensitivity testing antibacterial activity, Pseudomonas aeruginosa, gentamicin 387
- effects on Escherichia coli enterotoxins acute toxicity, gastrointestinal tract, mice 6023
- effects on, saliva, agglutinins, interaction, Streptococcus serotypes, oral cavity, man 3305.
- effects on, Thermoactinomyces vulgaris, transformation 2884.
- effects on Vibrio cholerae toxins stimulation, cyclic AMP accumulation, glia tumor cells 5169

Calcium, (continued)
- ions, methylation, role, phototaxis, Halobacterium halobium 10949.
- localization, Bacillus megaterium spores 5607.
- overload, heart, association, endotoxemia, Escherichia coli endotoxins, rats 1814.
- regulation, Halobacterium halobium, chemotaxis, membrane proteins methylation 8370.
- role, Clostridium botulinum neurotoxins effects on acetylcholine release, neuromuscular junctions, frogs 11512.
- role, Halobacterium halobium phototaxis 8393.
- role, Pseudomonas exotoxins localization, LM cells 5175.
- serum levels, lung tuberculosis, man 5295.
- transport, chromatophores, Chromatium vinosum, Rhodospirillum rubrum 3819.
- transport, Clostridium botulinum, Clostridium tetani toxins effects on, brain, rats 6010.
- transport, membrane potential, Bacillus megaterium, sporulation 2619.
- transport, membrane potential, role ATP, Bacillus megaterium 2602.

Calcium carbonate,
- effects on, Phaseolus vulgaris, growth, nodulation, soils (acid) 2452.

Calcium glycerophosphate,
- +sodium fluoride, treatment, dental caries, Streptococcus mutans, rats 6958.

Calcium lactate,
- food additives, dental caries prophylaxis, rats 10300.

Calcium peroxide+lime,
- seed treatments, Hordeum vulgare, effects on Gliocladium roseum, Azotobacter chroococcum, inhibition 1145.

Calcium phosphate,
- crystals formation, urine, Escherichia coli, in vitro, role calculus 8651.
- solubilization, association, soil, bacteria, vitamins production 6425.

Calcium sulfate,
- assimilation, selectivity, cystine effects on 7473.

Calcium sulfide,
- inhibition, nitrification, ammonification, microorganisms, soil 10800.

Calculus,
- role Escherichia coli, calcium phosphate, crystals formation, urine, in vitro 8651.

Caldariella acidophila,
- black lipid membranes, membrane capacitance, membrane conductance, configurations 9667

Caldariomyces fumago,
- chloride peroxidase, kinetics chlorite reaction 4908.

Caldolysin,
- immobilized enzymes, biological properties 12603.

Calendula arvensis,
- plant extracts, antibacterial activity, Staphylococcus aureus 1773.

Calendula officinalis,
- plant extracts, antibacterial activity, Staphylococcus aureus 1773.

Calf thymus,
- DNA polymerase I, oligo (T) analogs initiation 6616.

Calliphora erythrocephala,
- insecticides, dieldrin, metabolism, microorganisms, cuticle 8135.

Callistephus chinensis,
- extracts, growth, Mycoplasma, in vitro 3764.

Calmmatobacterium granulomatis,
- granuloma inguinale, pathology, immune response, man 2172.

Calmodulin,
- stimulation adenylate cyclase, Bordetella pertussis 7581.

Calorimetry,
- bacteria, mixed culture, biodegradation, crop residues 10989.
- enthalpy, Escherichia coli, aspartate carbamoyltransferase conformation transition 11136.
- Klebsiella aerogenes, continuous culture 12408.
- Klebsiella aerogenes culture, chemostats 4670.
- lac repressor fragments unfolding, Escherichia coli 4912.
- metabolism, lactates, pyruvates, growth parameters, Desulfovibrio desulfuricans, Desulfovibrio gigas, Desulfovibrio africanus, comparison 6539.

Calummatobacterium granulomatis,
- granuloma inguinale, penis, treatment, cotrimoxazole, man, case reports 2105.

Calvin cycle,
- Thiobocillus neapolitanus, enzymes, carboxysomes, function, models 5773.

Calymmatobacterium granulomatis,
- granuloma inguinale, epidemiology, etiology, clinical aspects, treatment, reviews, man 6248.
- granuloma inguinale, man, case reports, Europe 2149.
- granuloma inguinale, transmission, homosexual behavior, man 2175.
- sexually-transmitted diseases, isolation, identification, characterization 11854.

Calystegia,
- parabiosis, Agrobacterium, cell culture methodology 4671.

Camelus dromedarius,
- rumen microorganisms, fermentation, metabolism 7226.

CAMP test,
- gram-positive bacteria, identification, clinical microbiology 5578.
- hemolysis, Listeria monocytogenes, taxonomic revision 10923.
- Streptococcus group B, identification 2534.

Camphor,
- +bacteria cytochrome P-450, U.V. radiation reduction, mechanisms 12480.
- inhibition, Photobacterium fischeri bioluminescence, effects on, luciferase 7488.
- treatment, bronchitis, children 3316.

Campylobacter,
- antibiotic sensitivity testing, antibiotic resistance, rosaramicin, erythromycin 4182.
- bacteria Shigella, fluids, rehydration, diarrhea, treatment, 10363.
- clinical aspects, isolation, identification 10899.
- DNA characterization, comparison, strains 4804.
- drug sensitivity testing, nifuroxazide 5130.
- enteritis, clinical aspects, epidemiology, treatment, infants, man 3360.
- enteritis, clinical aspects, etiology, epidemiology, man 7993.
- Enteritis, clinical aspects, treatment, epidemiology, man 9142.
- enteritis, differential diagnosis, Salmonella, rotavirus, children 5311.
- enteritis, dogs, cats, transmission, man 1114.
- etiology, diarrhea, cattle, juveniles 1066.
- etiology, enteritis, children, Australia 3355.
- fatty acid composition, biochemical characteristics, identification, taxonomy 1302.
- infection, animals, man, epidemiology 4578.
- infection, effects on, pregnancy, man 2245.

Campylobacter, (continued)
- infection, man, animals, reviews 9209
- isolation, feces, dogs 1113
- isolation, periodontitis, Macaca fascicularis 2364
- media (culture), effects on growth 5563.
- typhoid fever, enteritis, diarrhea, carriers rate, man 10376
- ultrasound effects on 715

Campylobacter coli,
- isolation, media (selective), man feces 7358

Campylobacter fecalis,
- enteritis, experimental infection, pathology, cattle 2369.

Campylobacter fetus,
- abortion, cattle 7235
- campylobacteriosis, prophylaxis, vaccination, efficacy, males, cattle 3259.
- endocarditis, man, case reports 7145
- gastroenteritis, diagnosis, methodology 6203
- infection, association, Cholecystitis, diagnosis, man, case reports 4472.
- isolation, blood, culture, lymphoma, man 2545
- media (isolation), media (enrichment), clinical isolates 5556.
- subsp jejuni, persistent infection, man, case reports 2045
- traveller's diarrhea, incidence, Panama man, Mexico travel 3371.
- ulcerative colitis, pathology, clinical aspects, man, case reports 838.
- vaccination, cattle 622
- vaccination, detection, Tritrichomonas foetus, agglutinins, cattle 4334

Campylobacter fetus subsp. jejuni,
- colitis, Mustela putorius, laboratory animals 9368

Campylobacter fetus subsp.coli,
- enteritis, isolation, intestine, pigs, characterization 6375
- etiology, diarrhea, man, adults 814

Campylobacter fetus subsp.fetus,
- Campylobacteriosis, etiology, clinical aspects, immune response, immunization, cattle, reviews 6923
- campylobacteriosis, incidence, cattle, males, Germany, Fed. Rep. 7282.
- genital tract infection, incidence, cattle, Germany, Fed. Rep. 5460.
- infection, diagnosis, artificial insemination, cattle 10682
- tetracycline resistance Campylobacter fetus subsp.jejuni transfer plasmids 287

Campylobacter fetus subsp.intestinalis,
- hippurate hydrolysis, triphenyltetrazolium chloride drug resistance, comparison, Campylobacter fetus subsp.jejuni 3109.
- infection, association, sheep abortion, Mexico 10664
- infection, diagnosis, complement fixation, man 504
- pericarditis, association, hypothyroidism, man, case reports 5367

Campylobacter fetus subsp.jejuni,
- anorectal infection, homosexuality, man 5345
- antibacterial activity, nimidazole, comparison, metronidazole 10040
- antibiotic resistance, association, diarrhea, children 5957
- antibiotic sensitivity testing, dilution tests 6779
- antibiotic sensitivity testing, in vitro 9926
- colitis, association, diarrhea, treatment, children, case reports 11774.
- colonial characteristics, morphology, media (culture) moisture effects on 3822.
- colonization, gastrointestinal tract, mice, neonates 1086.
- Crohn's disease, clinical aspects, pathology, children, case reports 13185.
- diarrhea, clinical aspects, diagnosis, treatment, children, case reports 11767.
- diarrhea, clinical aspects, man, case surveys 818.
- diarrhea, isolation, pathogenicity, juveniles, cattle, sheep 3597.
- diarrhea, man 13183.
- enteritis, animal models 821
- enteritis, association, arthritis, man 819.
- enteritis, cats, case reports 7286.
- enteritis, children, case surveys 7007
- enteritis, clinical aspects, rectum pathology, man 9141.
- Enteritis, clinical aspects, treatment, epidemiology, man 9142.
- enteritis, clinical isolates incidence, Norway, children, man 11789
- enteritis, clinical isolates, USA, Colorado 6206
- enteritis, diagnosis, microscopy, man 3353
- enteritis, epidemiology, man 10358.
- enteritis, epidemiology, pathogenesis, diagnosis, treatment, man, reviews 7022
- enteritis, epidemiology, pathology, diagnosis, man 2024
- enteritis, presentation, abdomen pain, man 7024
- etiology, diarrhea, man, adults 814.
- etiology, gastroenteritis, children, Trinidad 5312.
- excretion, association, food hypersensitivity, milk, children, case reports 832.
- excretion, feces, diarrhea erythromycin treatment effects on, man 3364
- gastroenteritis, characterization, erythromycin treatment, man 6209.
- gastroenteritis, diagnosis, incidence, man, Saudia Arabia 2025
- gastroenteritis, diagnosis, symptoms, treatment, man 835
- gastroenteritis, neonates, man, case surveys 3373.
- gastroenteritis, outbreaks, association, contamination, water supplies, man 11763
- hippurate hydrolysis, triphenyltetrazolium chloride drug resistance, comparison, Campylobacter fetus subsp intestinalis 3109
- incidence, Aves microflora 12030
- incidence, livestock, food, Finland 7275.
- infection, antibodies serum levels, agglutination, complement fixation, immunofluorescence, comparison, man 8912.
- infection, diagnosis, complement fixation, man 504
- infection, diagnosis, dogs 10665.
- infection, man, diarrhea, case reports 13180.
- infection, microflora, inhibition, chickens 13396.
- infection, outbreaks, antibody response, serotypes, epidemiology, man, institutions 3352.
- isolates, pathogenicity mechanisms, animals, man 11972.
- isolation, animals, atmospheric conditions, oxygen tension 2512.
- isolation, animals, zoological gardens, USA, Colorado 8114.
- isolation, feces, carriers, pigeons 4556.
- isolation, media (enrichment) 2507.
- isolation, media (enrichment) 4655.
- isolation methodology, CampyPak II 2505.
- isolation methodology, mutton 5553
- Reiter's disease, association, enteritis, pathology, treatment, man, case reports 824
- respiration, association, hydrogen atmosphere 12451.
- septicemia, association, abortion, man, case reports 976.
- serotyping 12274.
- survival, heat resistance, poultry 8832.
- tetracycline resistance, transfer plasmids, Campylobacter fetus subsp.fetus 287.

Campylobacter fetus subsp.venerealis,
- vaccination, immunity, cattle 11646.

Campylobacter fetus supsp.jejuni,
- carriers, diarrhea, epidemiology, Aborigines, Australia 7019
- lipopolysaccharides, isolation, chemical composition 9795.

Campylobacter jejuni,
- bacteremia, opportunist infection, association, histiocytic medullary reticulosis, man 13313.
- colitis, pathogenesis, animal models, gnotobiotics, dogs 12079.
- diarrhea, clinical aspects, case reports, man 13172.
- enteritis, clinical trials, erythromycin, man 9134.
- enteritis, food-borne diseases, outbreaks, man, British Isles 7983
- enteritis, infants, man, case reports 10370.
- enteritis, outbreaks, relationship, milk contamination, children, institutions 4417.
- infection, domestic animals, association zoonoses 8110
- infection, man, epidemiology, serotyping methodology 7912.
- infection, man, etiology, pathogenicity, reviews 9258.
- infection, treatment, cefotiam, children 2248
- isolation, media (selective), man feces 7358.
- recurrent infection, association diarrhea, man 7989.
- sodium chloride effects on 5985.
- toxicity, food contamination, man, reviews 13164.
- traveller's diarrhea, clinical aspects, diagnosis, man 10369.

Campylobacter sputorum subsp.mucosalis,
- hemorrhagic enteritis, isolation, identification, pigs 13386
- oral cavity infection, pathogenesis, juveniles, pigs 7232.

Campylobacteriosis,
- Campylobacter fetus subsp.fetus, etiology, clinical aspects, immune response, immunization, cattle, reviews 6923.
- incidence, cattle, males, Germany, Fed. Rep. 7282.
- prophylaxis, vaccination, efficacy, males, cattle 3259.

Canada,
- bacteria wilt, Agrostis palustris 9392.
- bacterioplankton, marine microorganisms, heterotrophy, fresh water effects on 2482.
- botulism, Clostridium botulinum, infants, man, case reports 7026.
- cattle, mastitis, incidence 8111.
- cattle, Mephitis mephitis, disease transmission, Leptospira interrogans ser. pomona 3623.
- children, factors affecting morbidity, bacteria respiratory tract infection 10326.
- crop fields, soil microorganisms, population dynamics, nitrogen cycle 13474.
- forests, Alnus rubra, Alnus sinuata, nitrogen fixation, nodules, biomass 3693.
- hospitals, gram-negative bacteria, antibiotic resistance, amikacin, gentamicin, tobramycin 1753.
- man, gas gangrene, Clostridium, pathology, mortality 3456.
- man, incidence, Streptococcus pneumoniae serotypes 1014.
- man, Mammalia, Brucella abortus, Francisella tularensis, incidence 1070.
- man, pigs, throat microflora, incidence, Yersinia enterocolitica, serotypes 4540.
- man, toxic shock syndrome, incidence 10099.
- Neisseria gonorrhoeae, penicillinase biosynthesis, antibiotic resistance, penicillins, plasmids characterization, Canada 276.
- outbreaks, speck, Pseudomonas tomato, Lycopersicon esculentum 9404.
- penicillinase positive Neisseria gonorrhoeae incidence 5364.
- pigs, neonates, coccidiosis, isolation, Escherichia coli, viruses 8088.
- rivers, bacterioplankton, pulp wastes, pollution effects 2494.
- rivers, hydrocarbons, biodegradation, heterotrophic microorganisms, sediments 8223
- Salmo salar, incidence, Renibacterium salmoninarum, kidney infection, carriers 3598
- sheep, Haemophilus ovis isolation, vagina discharges 7234.
- soil microorganisms, bacteria, population density, relationship, 2,4-D biodegradation 1194.

Canada, Alberta,
- oil sand, biodegradation, hydrocarbons, bacteria 8360.

Canals,
- Netherlands, surface water, incidence, Listeria monocytogenes 12177.

Cancer patients,
- antibiotic therapy, bacteremia, Staphylococcus aureus, man 9245.
- bacteria, infection, diagnosis, treatment, children, man 4463.
- BCG immunotherapy, antibody response 4280.
- catheters contamination, bacteriuria 11808.
- dental plaque, immunoglobulin A levels, Streptococcus mutans infection 718.
- fecal microflora, bacteria, characterization 9071.
- gram-negative bacteria infection, treatment, ticaricillin, cotrimoxazole 9296.
- immunocompromised hosts, chemotherapy, bacteria opportunist infection 11922.
- moxalactam, treatment, anaerobic bacteria infection 11982.
- neutropenia, piperacillin± amikacin, ticarcillin± amikacin, treatment, bacteria infection 9205
- Pseudomonas aeruginosa, Escherichia coli, Klebsiella pneumoniae, infection, prophylaxis, children, man 4464.
- Pseudomonas aeruginosa infection, proteinase, exotoxin A, antibody response 3190.
- radiotherapy, association, dental caries, Streptococcus mutans, man 724.
- tuberculosis, herpes zoster, incidence, man 3455

Candida,
- antimicrobial activity, synergisidin 1797.
- candidiasis, diagnosis, sex differences, man 2136.
- sterols, biosynthesis, drug sensitivity testing effects on, mixed culture, +bacteria 5988
- urinary tract infection, man, characterization 11803.

Candida albicans,
- adherence, vagina epithelium cells in vitro 4721.
- antimicrobial activity, S,S'-dialkyldithiomethylene malonodinitriles, structure-activity relationships 5977.
- diazachalcones, 2-pyrazoline derivatives, antimicrobial activity 422.
- inhibition, anaerobic bacteria, Streptococcus salivarius, Streptococcus miteor, oral microflora, mice, in vitro 1051.
- mice disease resistance, association N-acetylmuramyl-L-alanyl-D-isoglutamine analogs, immunostimulation 6118.
- paronychia, etiology, children 2211.
- secondary infection, association, Mycobacterium tuberculosis, meningitis, man, case reports 2107.

Candida parapsilosis,
- isolation radioresistance bacteria, textiles 5978.
- metabolites biosynthesis, association, Bacillus stearothermophilus, mixed

Candida parapsilosis, (continued)
culture, alkanes media 8435.
mixed culture, alkanes media, Bacillus, growth characterization, association, myristic acid 8423.
mixed culture, Bacillus, growth, alkanes, nutrient sources, characterization 7443
myristic acid, utilization, Bacillus stearothermophilus, mixed culture 7441.
Candida podzolica,
lysis, role, soil microorganisms 12153.
Candida tropicalis,
diazachalcones, 2-pyrazoline derivatives, antimicrobial activity 422.
Candida utilis,
comparison, Bacillus megaterium, electropotential, mobility, electrophoresis 12300
Candidiasis,
concurrent infection, Corynebacterium vaginale, vagina, man 3391.
diagnosis, sex differences, man 2136.
respiratory tract diseases, treatment, flucloxacillin, children 3315.
Candiplanecin,
antifungal activity, biosynthesis, Ampullariella regularis subsp.mannitophila subsp.nov. 4160.
biosynthesis, isolation, characterization, antifungal activity, Ampullariella regularis subsp.mannitophila subsp.nov. 4153.
Canine distemper virus,
growth, Vero cells, Mycoplasma orale effects on 7470.
Canis lupus,
Brucella suis, experimental infection 1063.
Canker,
Fraxinus excelsior, Pseudomonas syringae subsp.savastanoi pv.fraxine 3670.
Prunus persica, infection, meloidogyne, Pseudomonas syringae, Cytospora, Leucostoma persoonii, Leucostoma cincta, characterization 9407.
Pseudomonas syringae subsp.savastanoi, Fraxinus excelsior 8137.
Pseudomonas viridiflava, symptoms, Euphorbia pulcherrima, characterization 9403.
Canned food,
preservatives, emulsifiers, antibacterial activity, anaerobic bacteria 12940.
tomatos, Clostridium botulinum metabolism, Bacillus licheniformis effects on 9424
Capetimycin,
antibacterial activity, clinical isolates 8768.
Capnocytophaga,
antibacterial activity, antibiotics, antimicrobial agents, sensitivity 308.
identification, API test 1303.
isolation, periodontitis, Macaca fascicularis 2364.
oral cavity isolates, identification methodology, API ZYM test 2543.
periodontal diseases, inactivation, immunoglobulin A, virulence, characterization 6043.
taxonomy, chemical analysis, relationship, Bacteroides 10880.
taxonomy, identification keys, computer programs 12264.
Capnocytophaga gingivales,
ultrasound effects on 715.
Capnocytophaga ochracea,
bacteremia, immunocompromised hosts, clinical aspects, man 8035.
Capnocytophaga ochraceus,
cell adhesion, hydroxyapatite, association saliva, tetracycline effects on 8401.
plasmid pGD10, incompatibility, host range 11306.
Capnocytophaga sp.nov,
characterization 12266.
Capnocytophaga sputigena,
septicemia, pathology, treatment, man, case reports 5355.
Capping,
lymphocytes Thy-1 antigen, Mycoplasma, mitogenicity, immunostimulation 10238.
Capreolus capreolus,
feces, Mycobacterium isolation, characterization 10710.
serum, incidence, Brucella, antibodies, Germany, Fed. Rep. 3637.
Capsicum frutescens,
Pseudomonas solanacearum, infection, seed-borne diseases, soil-borne diseases, factors affecting 3668.
Capsids,
phage ΦX174, packaging, plasmids DNA 7694.
Capsules,
Bacillus anthracis, antibodies detection, enzyme immunoassay, fluorescent antibody test, anthrax, man 12997.
Bacteroides fragilis virulence, resistance leukocytes (neutrophilic), phagocytosis, rabbits 7916.
Escherichia coli, embedding effects on, electron microscopy 53.
Escherichia coli, strains, virulence, bacteremia, neonates, rats 8942
Haemophilus influenzae, polysaccharides, structure 5797.
Klebsiella, antisera, lymphocytes cytotoxicity, association, ankylosing spondylitis, man 3204.
Klebsiella, polysaccharides, depolymerization, use, phages enzymes 4945.
Klebsiella, polysaccharides, structure 1562.
Klebsiella, polysaccharides, structure 7626.
Mycoplasma gallisepticum, function, characterization 5620.
polysaccharides, Bacteroides fragilis, immune response (cell-mediated), mice 11574.
polysaccharides, Neisseria meningitidis vaccines, immune response, man 6129.
polysaccharides structure, Streptococcus pneumoniae 5798.
Staphylococcus aureus, proteins, amino acid composition, hydroxyproline 2740.
Streptococcus group B, role lymphocytes phagocytosis 8976.
Streptococcus pneumoniae, activation, binding, complement C1q 5224.
Streptococcus pneumoniae, polysaccharides, characterization 4073.
Streptococcus pneumoniae, polysaccharides, structure 217.
Streptococcus pneumoniae, polysaccharides, structure 8630.
Captafol,
soil microorganisms, effects on carbon dioxide fixation 6833.
Captan,
antibacterial activity, Escherichia coli, effects on RNA biosynthesis 8500.
effects on, soil microorganisms, growth, biomass 8188.
enhancement, Escherichia coli RNA biosynthesis 163.
inhibition RNA polymerase, mechanisms, Escherichia coli 4855.
seed treatments, lens esculenta, effects on Rhizobium leguminosarum nodulation, yield 1164.
Caragana arborescens,
nodulation induction, Rhizobium inoculation, semiarid environments 12145.
Carassius auratus,
Bacteroides, intestinal microflora, identification 6476.
Carassius carassius,
intestinal microflora, Pseudomonas, hibernation, aquaculture 9329.
Carbamate kinase,
kinetics, mechanisms, Streptococcus faecalis 4034.
Pseudomonas aeruginosa, purification, function, regulation 12679.
Carbamoyl phosphate,
biosynthesis, Ectothiorhodospira shaposhnikovii, Rhodospirillum rubrum 12560.
Carbamoyl phosphate synthetase,
pyrimidines biosynthesis, Bacillus subtilis 8615.
Carbamoyl-phosphate synthetase (glutamine-hydrolysing),
Escherichia coli, UMP, IMP analogs, effects on activity 4066.
glycerol allosteric activation, Escherichia coli 12580.
Carbamyl phosphosphate,
feedback inhibition, nitrogenase, Azotobacter vinelandii, Klebsiella pneumoniae, Clostridium pasteurianum 2808.
Carbaril,
resistance, development, Rhizobium meliloti, Rhizobium 1219.
Carbaryl,
effects on, Escherichia coli, Streptococcus faecalis, growth, indicator species, water pollution 5981.
toxicity, Escherichia coli, Streptococcus faecalis, Salmonella typhimurium, Staphylococcus aureus, indicator species 5144.
water, effects on bacteria growth, indicator species 7423.
Carbenicillin,
aerosols, treatment, man, cystic fibrosis, infection, Pseudomonas aeruginosa 9261.
± aminoglycoside antibiotics, prophylaxis infection, neutropenia, man 7119.
antibacterial activity, association, acetylcysteine, Pseudomonas aeruginosa 11398.
antibacterial activity, bactericidal activity, gram-negative bacteria 1707.
antibacterial activity, Pseudomonas aeruginosa 6797.
antibacterial activity, Pseudomonas aeruginosa 11396.
antibacterial activity, Pseudomonas aeruginosa, clinical isolates 12898.
antibacterial activity, Pseudomonas, gram-negative bacteria, in vitro 356.
antibiotic resistance, Enterobacteriaceae, nosocomial environments isolates, role, R factors 5956.
antibiotic resistance, Klebsiella clinical isolates, hospitals patients 9998.
antibiotic resistance mutants, Escherichia coli, porins levels 246.
antibiotic resistance, Pseudomonas aeruginosa, plasmids 10002.
antibiotic sensitivity testing, gram-positive bacteria, Haemophilus influenzae, in vitro 9924.
antibiotic sensitivity testing, Pseudomonas aeruginosa, antibiotic resistance, pencillinase 3029.
antibiotic sensitivity testing, Pseudomonas, Enterobacteriaceae, Staphylococcus aureus, methodology 391.
antibiotic synergism, amikacin± gentamicin, antibacterial activity, Pseudomonas aeruginosa 12889.
comparison, antibacterial activity, sodium hydrogen 3-(N-hydroxyformamido)propylphosphonate, in vitro, in vivo 1765.
comparison, furbenicillin, bactericidal activity, Pseudomonas, Providencia 7778.
derivatives, treatment, prostatitis, bacteria, man 2084.
disc-diffusion test, quality control 6807.
Escherichia coli, Klebsiella, antibiotic resistance 384.
R factors transduction, Pseudomonas aeruginosa, conjugation, phages 11295.
infection, penicillins treatment, man 11940.
kanamycin, antibiotic sensitivity testing, antibiotic synergism, Pseudomonas aeruginosa, mutants 4170.
prophylaxis, postoperative infection, head and neck, surgery, man 937.
Pseudomonas aeruginosa, antibiotic resistance, penicillinase, isoenzymes, electrophoresis, characterization 1723.
resistance, population studies, Escherichia coli, Enterobacter cloacae 12926.
resistance, Pseudomonas aeruginosa, role, cell membranes, penicillin-binding protein 9991.
+tobramycin treatment, cystic fibrosis, Pseudomonas aeruginosa infection, man 12026.
± tobramycin, treatment, Providencia stuartii experimental infection, mice 8054.
treatment, bacteria infection, man, comparison, mezlocillin 10595.
treatment, pneumonia, children, institutions 5304.
N-Carbobenzoxy-L-pyroglutamyl diazomethyl ketone,
affinity labelling, inactivation pyroglutamyl aminopeptidase, Bacillus amyloliquefaciens 8581.
Carbofuran,
effects on, Nitrosomonas, oxidation, ammonia compounds, rhizosphere, Oryza sativa 8211.
Carbohydrate analysis,
cell walls peptidoglycans, bacteria 12706.
Carbohydrate composition,
antigens, Mycobacterium avium-intracellulare-scrofulaceum 6888.
Bacillus polymyxa polysaccharides, production 9794.
glycolipids, Thermus, characterization 5807.
Halobacterium halobium, glycoproteins, structure 5805.
Klebsiella pneumoniae ribosomes 1444.
lipopolysaccharides, Vibrionaceae, 2-keto-3-deoxyoctonate 9796.
media (culture), Kovac's test, identification, Vibrio 12246.
polysaccharides, antigenic characteristics, Eubacterium saburreum 4262.
polysaccharides, antigenic characteristics, Haemophilus influenzae 4261.
polysaccharides, biosynthesis, Streptococcus mutans, serotypes 4072.
Pseudomonas aeruginosa, antigen O, polysaccharides 10163.
Carbohydrate metabolism,
association, defoliation, Lotus corniculatus, Medicago sativa 5542.
chickens, Escherichia coli, endotoxins, effects on 4236.
Salmonella typhimurium, phosphoenolpyruvate-fructose phosphotransferase regulation 8464.
Streptococcus mutans, manganese effects on 12400.
Carbohydrates,
antigens, Streptococcus mutans cell walls, lymphocytes B polyclonal activators, immune response, mice 6114.
binding, lectins, Streptomyces 4837.
bioaccumulation, Escherichia coli, association, growth, water activity 11224.
biodegradation, Neisseria identification 2553.
effects on fungi patulin antibacterial activity, Streptococcus bovis 12951.
fermentation, sheep juveniles, large intestine 12039.
hydrolysis, bacteria, dental plaque isolates, man 10982.
media, association, polysaccharides degradation enzymes biosynthesis, bacteria rumen microorganisms 9780.

Carbohydrates, (continued)
  media, effects on enzymes glycosylation activity, rumen microorganisms bacteria isolates 9789.
  metabolism, Escherichia coli, Alcaligenes faecalis 12397.
  oxidation, microtube test detection, association, non-fermentative gram-negative bacteria identification 2556.
  plant extracts, Phaseolus vulgaris, agglutination, Pseudomonas phaseolicola, virulence 2544
  residues, plants, microorganisms, comparison, soil types 10788.
  Rhizobium meliloti, mutants, characterization 8708.
  side chains, role phospholipase B activity, Penicillium notatum 3973.
  synthetic antigens, Salmonella specificity 11544.
  transport, Clostridium pasteurianum 6491.
  transport, enzymes, biosynthesis, adenylate cyclase, Escherichia coli 4732.
  transport, phosphotransferase, purification, characterization, Escherichia coli 1541.
  utilization, Corynebacterium diphtheriae, association, identification 8282.
  utilization tests, Neisseria, clinical isolates, identification 1304.
Carbon,
  assimilation, ribulose-1,5-biphosphate carboxylase, Methylococcus capsulatus, characterization 5762.
  isotopes fractionation, methane oxidation, Methylomonas methanooxidans, use, chemical analysis, ground water 7428.
  metabolism, Methylophilus methylotrophus 12453.
  metabolism, Spartina alterniflora, nitrogen-fixing bacteria 5531.
  methanol, distribution, association, oxidative metabolism, Pseudomonas 9636.
  mineralization, lakes 3736.
  nutrient cycles, soil microorganisms 5526.
  nutrient requirements, association, amino acids, Frankia isolation, Alnus viridis 10981.
  nutrient sources, Azotobacter vinelandii, alginate production 7
  uptake, heterotrophic bacteria, phytoplankton photosynthesis, lakes, Sweden 12167
Carbon cycle,
  association, lignin biodegradation, fungi, Actinomycetes, reviews 12361
  intertidal environment, biodegradation, detritus, bacteria, Ecklonia maxima 12156.
Carbon dioxide,
  anaerobic conditions, Bacteroides fragilis, Fusobacterium, erythromycin antibacterial activity, effects on 6813.
  assimilation, respiration, winter, heterotrophic bacteria, Finland lakes 12182.
  effects on, Streptococcus bovis, continuous culture, pigments, production 11033.
  evolution, soil microorganisms, relationship, decomposition, cellulose 3722.
  +hydrogen, metabolism, media (culture) nutrient requirements, Eubacterium limosum 115.
  limitations, continuous culture, association, Anabaena, syngergism, Zoogloea 9426.
  measuring techniques, anaerobic environments, aquatic environment 8222.
  photosynthesis gas exchange, Pisum sativum, selection, association, growth, nitrogen fixation 8169.
  production, use, cellulose, Acetivibrio cellulyticus± Methanosarcina barkeri± Desulfovibrio 3859.
  requirements, association, Rhizobium japonicum nitrogenase activity 12685.
  uptake, nodules, Glycine max, association, amino acids biosynthesis, Rhizobium japonicum 6422.
Carbon dioxide fixation,
  Beggiatoa alba 4772.
  soil microorganisms, fungicides, effects on 6833.
Carbon dioxide reductase,
  activity, Chromatium vinosum, comparison, Rhodopseudomonas capsulata, Oscillatoria tenuis, cladophora fracta 12594.
Carbon monoxide,
  association, bacteria cytochrome P-450 reduction, proteins conformation role 12495.
  binding, cytochrome o, I.R. spectroscopy, Vitreoscilla 5688.
  Butyribacterium methylotrophicum, metabolism, characterization 5671.
  dehydrogenase, nickel, association, Clostridium pasteurianum, Clostridium thermoaceticum, characterization 6625.
  Escherichia coli, binding, cytochrome a_1, light effects 2689
  inhibition nitrogenase, Clostridium pasteurianum 3974.
  Pseudomonas carboxydohydrogena, oxidation, electron transport chain 2687.
Carbon monoxide:methylene blue oxidoreductase,
  purification, characterization, Pseudomonas carboxydovorans 7588.
Carbon sources,
  acetylene, denitrification, soil properties 13475.
  Alcaligenes eutrophus, valeramidase, formamidase, metabolism, regulation 1553.
  aminopyrine, biodegradation, Phenylobacterium immobilis, characterization 5675.
  bacteria isolates, lakes, metabolism, growth 2640.
  dimethyl ether, Methylococcus capsulatus growth conditions, effects on methane metabolism 5644.
  effects on, alginic acid, biosynthesis, enzymes, Azotobacter vinelandii 12703.
  effects on, Bacillus licheniformis, growth, sporulation, bacitracin, proteinase, biosynthesis 1409.
  effects on growth, phospholipid composition, Escherichia coli, fatty acids auxotrophs 3856.
  effects on, metabolism, bacteria, marine environment isolates 4746.
  effects on, Rhizobium, bacteroids, nitrogen fixation, leghemoglobin 3694.
  effects on, Rhodopseudomonas capsulata, Citrobacter freundii, Thiocapsa roseopersicina, superoxide dismutase, catalase, activity 11140.
  D-galactose, Pseudomonas tomato, media (culture), cultural characteristics 8258.
  glucose, α-amylase, secretion, Alteromonas rubra, characterization 9735.
  glycerol, growth, Klebsiella pneumoniae, glycerol dehydratase 8623.
  industrial effluents, biodegradation, Salmonella enteritidis, Pseudomonas aeruginosa, Escherichia coli 9628.
  liquid culture, Mycobacterium, growth patterns, comparison 8262.
  media (culture), effects on Pseudomonas aeruginosa, fatty acids, polymyxin susceptibility 2833.
  metabolism, Thiobacillus competition heterotrophic bacteria, chemostats 11011.
  Methanococcus voltae, nutrient requirements, amino acids, metabolism 6537.
  methanol, metabolism, enzymes, Blastobacter viscosus 12463.
  methanol, Pseudomonas, media (culture) 12.
  organic acids, oxidation, Rhizobium leguminosporum 5794.
  pH, effects on, Coxiella burnetii, energy charge, ATP biosynthesis 2670.
  Pseudomonas aeruginosa, growth, liquid culture, media (culture) 12352.
  Pseudomonas, effects on arylsulphatase activity 7603.
  Pseudomonas taxonomy 4684.

Carbon sources, (continued)
  relationship, growth, Pseudomonas aeruginosa, drinking water 12392.
  relationship, surface activity, surfactants biosynthesis, Mycobacterium, Pseudomonas, in vitro 241.
  santonin, intermediates, Pseudomonas cichorii 12420.
  soil bacteria, seeds germination exudates 13500
  Streptomyces galilaeus, effects on anthracycline biosynthesis 8749.
  succinate, Escherichia coli, pyruvate, excretion 8459.
  utilization, identification, Neisseria gonorrhoeae, Neisseria meningitidis, comparison, fluorescent antibody test, agglutination 3787.
  Vibrio parahaemolyticus, extracellular enzymes, effects on proteinase production, growth rate correlation 12618
  Zea mays, roots exudates, plant breeding, rhizoplane, nitrogen-fixing bacteria 12119.
Carbon tetrachloride,
  rifampicin, treatment, Mycobacterium avium, experimental infection, rabbits 3615.
Carbonyl compounds,
  levels, Streptococcus lactis subsp.diacetylactis, Lactobacillus casei, Lactobacillus bulgaricus, mutants 1627.
Carbonyl sulfide,
  detection, cysteine decomposition, paddy fields, soils 7328.
2-Carboxyarabinitol bisphosphate,
  interaction ribulose bisphosphate carboxylase, Chromatium vinosum 4923.
Carboxylase,
  Serratia marcescens, activity, glucose, glycerol 12650.
Carboxylesterase,
  Streptomyces capillispira sp.nov., purification, characterization, cephalosporins modification 7561.
Carboxylic acids,
  esters, hydrolysis, Bacillus subtilis var.niger, Mycobacterium smegmatis 3851.
Carboxylmethylation,
  chemoreceptors, association chemotaxis, Salmonella typhimurium, Escherichia coli 5602.
5-Carboxymethyl-2-hydroxymuconate isomerase,
  purification, characterization, Escherichia coli 2818.
5-Carboxymethyl-2-oxo-hex-3-ene-1,6-dioate decarboxylase,
  purification, characterization, Escherichia coli 2818.
Carboxymethylcellulose,
  tampons biodegradation, toxic shock syndrome, Enterobacteriaceae, man 13270.
Carboxymethylisoborneol,
  biosynthesis, actinomycetes, soil microorganisms, soil 1579.
4-Carboxymuconolactone decarboxylase,
  Pseudomonas putida, structure, amino acid sequence 5747.
Carcasses,
  bone, association, wound infection, Streptococcus pyogenes, Staphylococcus aureus, occupational exposure, abattoirs, man 4358.
  chickens, food contamination, Salmonella, relationship, processing methodology 10654
  chickens, incidence, Salmonella, most probable number 10655.
  Hirondellea gigas, Isolation, bacteria, pressure tolerance, deep sea 10805.
  pigs, incidence, bacteria abscesses, abattoirs 1093.
Carcinogenesis,
  aromatic amines, derivatives, toxicity testing, Salmonella typhimurium, mice 4094.
  colon, man, microflora, reviews 13159.
  1,2-dimethylhydrazine, induction, relationship, intestinal microflora, bacteria, rats 5448.
Carcinogenicity testing,
  Streptococcus, oral cavity isolates, gnotobiotics, rats 3647.
Carcinogens,
  bacteria, mutagenesis, toxicity testing, reviews 5827.
Carcinoids,
  Nocardia asteroides+Pneumocystis carinii pneumonia, pathology, man, case reports 1969.
Carcinoma,
  association, Staphylococcus pneumoniae, bacteremia, man 4531.
  association, Streptococcus bovis, meningitis, colon, man, case reports 902
  breast, bacteria etiology, man 2243.
  breast, man, immunotherapy, Corynebacterium parvum vaccines 9036.
  bronchus, Corynebacterium parvum vaccination toxicity, man 11635.
  carrageenan induction, role intestinal microflora, gnotobiotics, rats 10723.
  cecum, association, bacteria, gas gangrene, man, case reports 2047
  cervix, immunotherapy, Corynebacterium parvum, man 4284.
  dental plaque isolates induction, gnotobiotics rats 2036.
  head and neck, Streptococcus pneumoniae vaccination antibody response, 658.
  kidney, association, kidney abscesses, incidence, Escherichia coli, hematuria, man, case reports 4429.
  larynx, Pseudomonas putrefaciens infection, man 13141.
  larynx tuberculosis presentation, pathology, man, case reports 804.
  man, treatment, prophylaxis effects on microflora 9067.
  pancreas, Clostridium novyi isolation, liver, dogs 6368.
  presentation tuberculoma, urinary bladder, Mycobacterium tuberculosis, man 5335.
  presentation, tuberculosis, Mycobacterium tuberculosis, man, case reports 7203.
  radiation treatment, dental caries prophylaxis, man 13107.
  respiratory tract, association, lung tuberculosis, diagnosis, man 1 703.
  surgery, postoperative infection, prophylaxis, adriamycin, urinary bladder, man 3399.
  tumors, fats dietary intake, bacteria, viruses, fungi, immune system, animal models, man, reviews, conferences 13265.
  urinary bladder, etiology, role intestinal microflora metabolism benzidine dyes 13064
Carcinoscorpius rotundicauda,
  lectins, use, detection, 2-keto-3-deoxyoctonic acid, Escherichia coli, Salmonella minnesota 11243.
Carcinus maenas,
  experimental infection, Bacillus cereus, Moraxella, nephrocytes, role, defense mechanisms, phagocytosis 2401.
Cardiac muscle,
  toxic shock syndrome, staphylococcus aureus, effects on 8010.
Cardiobacterium hominis,
  septicemia, man, case reports 2308.
Cardiovascular system,
  Escherichia coli endotoxins effects on, colibacillosis, pigs 11494.
Carfecillin,
  treatment, urinary tract infection, man 7037.

Caribbean Is.,
  Leptospira interrogans isolates, check lists 10708.
Cariogenicity,
  invert sugars, animal models 705.
  palatinit, sugar comparison, rats, Streptococcus, oral microflora, acid production 7968.
  Streptococcus mutans, biochemical characteristics, serotypes specificity 10148.
  Streptococcus salivarias, Streptococcus milleri, gnotobiotics, rats 4376.
Carminomycin,
  inhibition, DNA polymerase I, Escherichia coli 12622.
Carminomycin I,
  Streptomyces peucetius subsp.caesius, conversion, adriamycin 2969.
β-Carotene,
  reconstitution, vesicles, rhodopsin, Raman spectroscopy, membrane potential, Halobacterium halobium 6546.
Carotenoids,
  absoprtion, membrane potential, Rhodopseudomonas capsulata, kinetics 8474.
  biosynthesis, association, nitrogen fixation, Azospirillum 1430.
  configurations, Raman spectroscopy, reaction centers, Rhodopseudomonas sphaeriodes 8470.
  Corynebacterium poinsettiae, Micrococcus luteus, stereochemistry 4792.
  Micrococcus luteus, deficient mutant, photosensitivity, relationship, menaquinone destruction 1418.
  Mycobacterium smegmatis, biosynthesis, light effects 1428.
  photosynthesis, Rhodopseudomonas sphaeroides, Raman spectroscopy, methodology 12487
  Staphylococcus aureus, biosynthesis 149
  Staphylococcus aureus, characterization 148
Carpetimycin,
  stability, dipeptidase 11353.
Carpets,
  disinfectants, antibacterial activity, Pseudomonas aeruginosa, nosocomial environments 8818.
Carrageenan,
  induction carcinoma, role intestinal microflora, gnotobiotics, rats 10723.
Carrageenins,
  gels, use, bacteria immobilization 179.
Carriage,
  Neisseria gonorrhoeae, throat, man 918.
  Streptococcus group B, genitourinary tract, effects on fetuses, birth, man 6222.
  Streptococcus group B, vagina, pregnancy, man 970.
Carriers,
  Campylobacter fetus supsp.jejuni, diarrhea, epidemiology, Aborigines, Australia 7019.
  contagious equine metritis, bacteria, diagnosis, methodology, horses 7242.
  Haemophilus influenzae, Streptococcus pneumoniae, screening, antibiotic resistance, man 6829.
  infection, Staphylococcus, nasopharynx, treatment, rifampicin, man 2008.
  Leptospira interrogans ser.hardjo, cattle 1084.
  Neisseria gonorrhoeae, females, man 13237.
  pigeons, Campylobacter fetus subsp.jejuni isolation, feces 4556.
  Renibacterium salmoninarum, kidney infection, incidence, Salmo salar, Canada 3598.
  Salmonella, Macaca fascicularis, incidence, imported diseases 6378.
  salmonellosis, Salmonella typhimurium, outbreaks, salad dressings, eggs, man 2049.
  Streptococcus group A, role, respiratory tract infection, treatment, antibiotics, man 1981.
  Streptococcus group B, antibody response, pregnancy, man 576.
  Streptococcus group B, rectum, incidence, relationship, menstrual cycle, contraceptives, Neisseria gonorrhoeae infection, man 829.
  Streptococcus pneumoniae, nasopharynx, antibody response, infants, man 3200.
  Yersinia enterocolitica, Salmonella, isolation, feces, man 4410.
Carthamus lanatus× Carthamus tinctorius,
  disease resistance, Pseudomonas 3656.
Carthamus tinctoria,
  Microplasma phyllody, disease transmission, Neolaiturus fenestratus 12097.
Carthamus tinctorius,
  infection, Mollicutes transmission, role, Neolaiturus fenestratus 7295.
Carthamus tinctorius× Carthamus lanatus,
  disease resistance, Pseudomonas 3656.
Cartilage,
  localization, Mycoplasma pulmonis infection, rats 4525.
Case report,
  man, neonates, meningitis, Acinetobacter calcoaceticus var.anitratus 13214.
  Salmonella enteritidis, isolation, sputum, septicemia, diagnosis, man 3293.
Case surveys,
  bacteremia, clinical aspects, man, Streptococcus group D 939.
  bowel postoperative infection, Escherichia coli, Bacteroides, man 5435.
  Campylobacter fetus subsp.jejuni diarrhea, clinical aspects, man 818.
  Campylobacter fetus subsp.jejuni enteritis, children 7007.
  Campylobacter fetus subsp.jejuni gastroenteritis, neonates, man 3373.
  dental hygiene, dental manipulation, relationship endocarditis, bacteremia, man 6260.
  diarrhea, association, pathogens, Escherichia coli, Shigella, Vibrio cholerae, incidence, children 7014.
  eye diseases, bacteria distribution, drug sensitivity testing 7111
  eye diseases, bacteria distribution, screening 6852.
  food poisoning, bacteria, man 3366.
  infectious diseases, interaction, nutritional status, Escherichia coli, Shigella, role, children 7160.
  joints infection, staphylococcus, Mycobacterium tuberculosis, man 5408.
  man, β-lactam antibiotics, treatment, bacteria infection, side effects 9314.
  man, antibiotics association colitis, Clostridium difficile, clinical aspects 9137.
  man, appendectomy, surgery complications, surgery 10621.
  man, arthritis, Yersinia enterocolitica, clinical aspects, Sweden 4520.
  man, balanoposthitis, association, Gardnerella vaginalis infection 8006.
  man, brain abscesses, infection, bacteria 10493.
  man, chancroid, Haemophilus ducreyi, thiamphenicol treatment 9190.
  man, diarrhea, Clostridium difficile 7013.
  man, gonorrhea, genital tract infection, treatment, epidemiology, British Isles 8028.
  man, lung tuberculosis, association, aspergilloma 13136.
  man, meningitis, Haemophilus influenzae, predisposing factors, diagnosis 9174.
  man, neutropenia, association, bacteria infection 7220.

Case surveys, (continued)
  man, salpingitis, diagnosis, treatment 10392.
  man, syphilis, treatment, penicillin 7082.
  man, toxic shock syndrome, clinical aspects, pathology, USA, Minnesota 10116.
  man, toxic shock syndrome, pathology 10115.
  man, toxic shock syndrome, psychological aspects, neurological complications 10117.
  man, toxic shock syndrome, Staphylococcus aureus, clinical aspects 11864.
  man, typhoid fever, relationship, duodenum intubation 7984.
  man, uveitis, association, syphilis 9199.
  mastitis, cattle, Netherlands, British Isles 12054.
  meningitis, Listeria, Neisseria, gram-negative bacteria, man 3407.
  mycobacteriosis, Mycobacterium avium-intracellulare, lung, man, USA, Wisconsin 6167.
  neurosyphilis, clinical aspects, diagnosis, man 911.
  nosocomial infection, hospitals, incidence, variation, man 2326.
  pertussis, man 9126.
  pharynx gonorrhea, man 5303.
  plague, lung, radiology, man 743.
  rheumatic fever, man, long-term effects 11892.
  Salmonella infection, man, hospitals, clinical aspects 9299.
  Salmonella typhimurium infection, nosocomial environments, gastroenteritis, meningitis, septicemia 6264.
  shigellosis, shigella, pediatrics, treatment, children 13177.
  Staphylococcus aureus bacteremia, antibiotic resistance, methicillin, man 3472.
  Staphylococcus aureus, postoperative infection, risks, man 10568.
  Staphylococcus aureus toxic shock syndrome, man, USA, Iowa 7184.
  Streptococcus pneumoniae infection, man, hospitals, incidence 9255.
  Streptococcus pyogenese, infection, throat, respiratory tract, man 7978.
  tetanus, man 878.
  tetanus toxoids, vaccination, hypersensitivity (delayed), man 5259.
  tonsil abscesses, treatment, children 6199.
  toxic shock syndrome, Staphylococcus, incidence, association, tampons, man 3377.
  tuberculosis, man 11908.
  tuberculosis, Mycobacterium, dialysis, immunocompromised hosts, man 7186.
  urinary tract infection, man, diagnosis, treatment 11800.
  zoonoses incidence, occupational exposure, veterinary medicine 13267.
Casein,
  biodegradation, Caseobacter polymorphus 12380.
  hydrolysis, Bacillus subtilis, role proteinase 12569.
  inhibition, Clostridium perfringens, growth, proteinase biosynthesis 4769.
  isolation, Salmonella, comparison, media (enrichment), standards 3758.
  regulation, Streptomyces viridochromogenes sporulation, aerial mycelia formation 6526.
  Salmonella isolation methodology 4661.
  sugars, man, effects on, Bifidobacterium bifidus, growth 1395.
Caseobacter polymorphus,
  casein biodegradation 12380.
Casuarina,
  actinomycetes nodules, incidence, Pakistan 1217.
  rhizosphere microorganisms symbiosis, nodules, nitrogen fixation 8198.
Catabolism,
  Aerobacter, Klebsiella, pentoses, pathways, regulation 9798.
  arginine, Lactobacillus buchneri, ornithine carbomyltransferase, enzymatic activity 3951.
  aromatic compounds, Nocardia erythropolis 12404.
  bile acids, Pseudomonas, Actinomycetes 12431.
  ethylene glycol, bacterium T-52, in vitro 110.
  galactonate, saprophytes, Mucobacterium 122.
  glycerol, Pseudomonas aeruginosa, role, glycerol kinase, glycerol-3-phosphate dehydrogenase 3861.
  naphthalene, naphthalenesulfonic acid, Pseudomonas 114.
  Pseudomonas aureofaciens, tryptophan 1397.
  Pseudomonas, products, bile, cattle 2656.
  thymine, uracil, Escherichia coli, regulation 234.
  transport, Rhizobium meliloti mannose 12439.
  trimethylamine, methanol, methylamine, methanogenesis, Methanosarcina barkeri 238.
Catabolite activator protein,
  binding double-stranded DNA, cyclic AMP modulation, Escherichia coli 11180.
  +cyclic AMP, Escherichia coli, role transcription modulation 7502.
  cyclic nucleotides binding, N.M.R., Escherichia coli 11117.
  Escherichia coli, role, malT gene regulation 8679.
  interaction DNA double-stranded, electron microscopy, Escherichia coli 11056.
  role regulation maltose operon, Escherichia coli 6693.
  tertiary structure role recognition double-stranded, comparison lactose repressor, galactose repressor, Escherichia coli 8512.
Catabolite repression,
  adenylate cyclase regulation, Escherichia coli 12660.
  effects on Bacillus subtilis transketolase deficient mutant enzymatic synthesis 2805.
  effects on Escherichia coli pili formation 12349.
  effects on mer operon, Escherichia coli 5831.
  enzymes, Escherichia coli, cyclic AMP effects on 8617.
  Escherichia coil, enzymes biosynthesis, induction, association, cyclic AMP 8622.
  glutamate, Bacillus subtilis, glutamate dehydrogenase ($NADP^+$), enzymatic activity 2809.
  Salmonella typhimurium resistant mutant, phosphoenolpyruvate-fructose phosphotransferase characterization 8698.
  Streptomyces venezuelae, β-D-galactosidase, chloramphenicol, cyclic AMP, induction 7446.
Catalase,
  activity, Propionibacterium, strains, respiration 12666.
  activity, Pseudomonas putida 11209.
  activity, Rhodopseudomonas capsulata, Citrobacter freundii, Thiocapsa roseopersicina, carbon sources effects on 11140.
  dissociation sodium dodecyl sulfate, Micrococcus lysodeikticus 8565.
  effects on Streptococcus faecalis subsp.zymogenes growth, glycerol media (culture) 1383.
  Leptospira, activity 3985.
  mediation, peroxidase, antibacterial activity, Mycobacterium tuberculosis 1782.
  Mycobacterium intracellulare, Mycobacterium scrofulaceum, identification 5595.
  Neisseria gonorrhoeae, enzymatic activity, comparison, differentiation, Neisseria 10887.
  Pseudomonas fluorescens, enzymatic activity, induction 1530.
  role, Shigella flexneri, Shigella sonnei, survival, macrophages 13051.

Catalase, (continued)
- sodium nitrite+pH, inhibition, bacteria 11135.

Catalysis,
- genes mutation effects on, Escherichia coli, asparate carbomoyltransferase 12812.
- NAD^+ nucleosidase hydrolysis, kinetics, enterotoxins, Staphylococcus aureus 4231.
- tricarboxylic acid cycle, succinyl-CoA synthetase (ADP-forming), citrate (si)-synthase, bacteria, reviews 9732.

Catalysts,
- removal, manganese, oxidation, bacteria, coastal waters 7477
- Vibrio cholerae, toxins, ADP-ribosylation, proteins 10072

Catamine AB,
- antibacterial activity 11452.

Cataract,
- surgery, postoperature infection, Staphylococcus epidermidis ophthalmitis, man, case reports 954.

Cataracts,
- exotoxin A, Pseudomonas aeruginosa, mice 6008

Catechol oxidase,
- secretion, Streptomyces glaucescens, molecular weight, activity, genetic analysis 8599.

Catechol 1,2-dioxygenase,
- characterization, Phenylobacterium immobilis 11191.

Catechol 2,3-dioxygenase,
- 4-chloropyrocatechol, inhibition, Alcaligenes faecalis 12684.

Catharanthus,
- Mycoplasma, infection, virescence, cytokinins, levels 3671.

Cathartes aura,
- intestinal microflora, gram-negative bacteria 9316.

Catheterization,
- association, Streptococcus group D endocarditis, man, case reports 953.
- heart, association, Peptostreptococcus endocarditis, treatment, clinical aspects, man. case reports 2266
- heart neonates, man, association, necrotizing enterocolitis 10360.
- subclavin vein, association, sepsis, man 7090.

Catheters,
- +antibiotics, treatment, postoperative infection, man, abdomen 12024.
- association, urinary tract infection, nosocomial infection, risk factors, females, man 10405
- bacteria colonization, association neonates man 6295
- contamination, bacteriuria, man 11808.
- contamination, Pseudomonas aeruginosa, Escherichia coli, Proteus mirabilis, nosocomial infection, geriatrics 10529.
- intravenous administration, association, meningitis, Staphylococcus aureus nosocomial infection, man, case reports 4438.
- monitoring, role, detection, nosocomial infection, urinary tract infection, man, hospitals 2078.
- Staphylococcus epidermidis, contamination, infections, urogenital tract, man 3383
- teflon, comparison, steel syringes, complications, risk factors, nosocomial infection, man 11875.
- treatment, ointments, disease control, nosocomial infection, man 11870.

Cathoranthus roseus,
- Spiroplasma citri infection, virus-like particles effects on symptoms 12089.

Cationomycin,
- Actinomadura azurea sp.nov, biosynthesis, structure 2966

Cations,
- Bacillus megaterium, levels, spore germination, pH effects 1369.
- calcium, association, agglutination, Brucella abortus, immune serum, agglutinins 11572.
- effects on, antibacterial activity, ceftazidime, Pseudomonas aeruginosa, Pseudomonas 5094
- effects on, chloramphenicol drug resistance, growth, Pseudomonas aeruginosa 9993.
- probes, membrane potential, Bacillus subtilis, assays, fluorescence 5617.
- Pseudomonas aeruginosa, lipid composition, polymyxin, effects on 2837.
- role, elongation factor Tu hydrolysis GTP, Escherichia coli 9686.
- role, Thermoactinomyces vulgaris, phosphatase, enzymatic activity, heat tolerance 2763.
- Salmonella typhimurium, mutants, lipids, outer membranes, resistance 2624.
- transport, Bacillus subtilis, effects on, dicarboxylic acids transport 1422.

Cats,
- abscesses, brain, experimental infection, Staphylococcus aureus 1069.
- animal models, bacteria, dental roots, growth, experimental infection 1960.
- animals bites, wound infection Pasteurella multocida, man 6302.
- bacteria isolation, characterization, soft tissues infection 9570.
- Bordetella bronchiseptica, clinical isolates, antibacterial activity, drug sensitivity testing 1758.
- Bordetella bronchiseptica, isolates, respiratory tract diseases, antibacterial agents, susceptibility 7870.
- Campylobacter, enteritis, transmission, man 1114.
- case reports, granuloma lesions, association, Bacillus 10719.
- Chlamydia psittaci, infection, isolation, Iran 4589.
- endotoxin shock, bacteria endotoxins antibodies, immunization (passive) 664.
- enteritis, Campylobacter fetus subsp.jejuni, case reports 7286.
- feces, incidence, Yersinia enterocolitica 2359.
- feline urological syndrome, bacteria, epidemiology, etiology, case reports, clinical aspects 10718.
- gas gangrene, clostridium perfringens, association, aorta embolism, case reports 9363.
- lymphadenitis, Streptococcus, pathogenesis 8117.
- myositis, Clostridium chauvoei, Clostridium septicum, clinical aspects, case reports 6358.
- Pasteurella multocida infection, disease resevoirs, cats 9361.
- plague, Yersinia pestis, man, case reports 6173.
- pneumonitis Chlamydia psittaci, vaccines, immunity 13063.
- Veterinary medicine hopsitals, Serratia marcescens nosocomial infection, Epidemiology 4565.

Cattle,
- abortion, association, Leptospira interrogans ser.pomona, isolation, histopathology 12070.
- abortion, bacteria 7235.
- abortion, etiology 1096.
- abortion, leptospirosis, Leptospira interrogans ser.hardjo, serology 6351.
- Anaplasma marginale antibodies, detection, use, agglutination, complement fixation 1840.
- Anaplasma marginale experimental infection, immune response (cell-mediated) 3228.

Cattle, (continued)
- Anaplasma marginale, experimental infection, treatment, oxytetracycline 13387.
- Anaplasma marginale, infection, diagnosis, latex agglutination 4245.
- Anaplasma marginale infection effects on blood gases, pH, electrolyte balance 13391.
- Anaplasma marginale, transmission, blood sucking Arthropoda, reviews 9374.
- anaplasmosis, disease control, imidocarb 10670.
- anaplasmosis, incidence, Brazil 7267.
- animal isolates, Pasteurella haemolytica, biotyping, serotyping 9538.
- animal isolates, Streptococcus group B, identification, phage typing, hyaluronidase, pathogenicity 3805.
- animal wastes, methanogenesis, fatty acids oxidation, methanogenic bacteria 4760.
- annual ryegrass toxicity, Lolium, Corynebacterium infection, pathology, South Africa 8099
- anthrax, epidemiology, case reports 10651.
- anthrax, outbreaks, antibiotics treatment 12066
- Babesia divergens, Ehrlichia phagocytophila, detection, blood, babesiosis 1115.
- Bacillus cereus, mastitis, diagnosis 3641.
- bacteria, mastitis, disease control 3608.
- bacteria mastitis, factors affecting, drugs treatment 13381.
- bacteria mastitis, milk production, diploidy enumeration 13398.
- bacteria, pathogens infection, reviews 9349.
- bedding, incidence, Klebsiella, coliforms 10656.
- bile, Pseudomonas, catabolism, products 2656.
- blood vessels, Dermatophilus congolensis, dermatophilosis, effects on 4559.
- botulism, USA, Oregon 6367.
- bronchopneumonia, isolation, Mycoplasma bovirhinis, pathogenicity 13395.
- Brucella abortus brucellosis, diagnosis, hemolysis 2341.
- Brucella abortus immune response, immunodiffusion 502.
- Brucella abortus, vaccination, antibody response 7956.
- Brucella abortus, vaccination, juveniles 4328.
- Brucella abortus vaccination, lymphocytes immune response, levamisole immunostimulation 6128.
- brucellosis diagnosis, rose bengal assays, characterization 12065.
- brucellosis screening, serum agglutination assays 12064.
- brucellosis, serological surveys, Togo 13376.
- brucellosis, serotyping, Nigeria 7262.
- Campylobacter fetus subsp.fetus genital tract infection, incidence, Germany, Fed. Rep. 5460.
- Campylobacter fetus subsp.fetus infection, diagnosis 10682
- Campylobacter fetus vaccination 622.
- Campylobacteriosis, Campylobacter fetus subsp.fetus, etiology, clinical aspects, immune response, immunization, reviews 6923.
- cecum, Yersinia enterocolitica isolation, Chile 7230.
- Chlamydia antibodies incidence, Hungary 5464.
- Chlamydia, disease transmission, Ornithodoros coriaceus vectors 10711.
- Chlamydia infection, immunodiagnosis, complement, assays 1850.
- Chlamydia, mastitis, diets 4545.
- citric acid levels, milk, Staphylococcus aureus experimental infection effects on 7283.
- Clostridium haemolyticum, toxoids, experimental infection, immune response 1831.
- colibacillosis, vaccination, Escherichia coli, bacterin, clinical aspects 10262.
- colostrum proteins, Streptococcus lactis fermentation effects on 12416.
- Corynebacterium equi, experimental infection, pathology 4557.
- cow's milk, Staphylococcus aureus, drug sensitivity testing, Brazil, USA, California 7869
- dermatitis, mastitis, Staphylococcus aureus, prophylaxis, teat dips, hygiene 7279.
- Dermatophilus congolensis vaccination, antibody response 5261.
- diarrhea, Escherichia coli, antibiotic resistance, drug resistance 4195.
- dietary intake effects on bacteria protein biosynthesis 10638.
- diseases, Clostridium sordelli, sodium chlorate intoxication 4575.
- endothelium cell culture, Haemophilus somnus effects on 9659.
- enteritis, experimental infection, Campylobacter fecalis, pathology 2369.
- enzyme-linked immunosorbent assay, serum, association, resistance, susceptibility, Mycoplasma bovis challenge 8975.
- erythrocytes membrane protein, Anaplasma marginale effects on infection 7240.
- Escherichia coli, infection, leukocytes, immunoglobulins, levels, intramammary device, effects on 4274.
- Escherichia coli, isolation, abattoirs 3604.
- Escherichia coli, mastitis, mammary gland, epithelium regeneration, ultrastructure, experimental infection 2365.
- ± Fasciola hepatica infection, effects on Salmonella dublin experimental infection 1118
- feeding trials, effects on rumen microorganisms fermentation, association, Sorghum vulgare silage, lasalocid 12040.
- fetuses, leptospirosis, Leptospira interrogans ser.hardjo, pathology, clinical aspects 7265.
- fetuses, Mycoplasma isolation characterization 6347.
- gastrointestinal tract infection, scours, mixed infection, rotavirus, Escherichia coli, pathology 12048.
- gastrointestinal tract, lymph nodes, incidence, Salmonella, abattoirs 3638.
- genital diseases, mycoplasmosis, reviews 6365.
- genital microflora, Propionibacterium granulosum, Haemophilus somnus, Streptococcus, Staphylococcus aureus 9326.
- genital tract, Ureaplasma experimental infection 3591.
- gut, isolation, hydrogen peroxide production lactobacillus lactis 8648.
- Haemophilus somnus, genitourinary tract infection 9353.
- heart, coupling factor B, immunoassays 4250.
- heart, cytochrome c oxidase, structure, reaction mechanisms 185.
- immune response, Brucella abortus antigens characterization 6097.
- immunity (cell-mediated), vaccination, Salmonella dublin 624.
- incidence, microflora, bacteria, reproductive organs 12043.
- infection, Brucella abortus, isolates, penicillin susceptibility 8803.
- infection farms, Coxiella burnetii, Chlamydia, serological surveys, Czechoslovakia, 4489.
- infection, Haemophilus somnus, immunity (humoral), antibody response 8993.
- infection, Mycoplasma, Ureaplasma, Acholeplasma, Spiroplasma, Anaeroplasma, reviews 6364.
- infectivity, vaccines, Anaplasma marginale subsp.centrale, association, cryopreservation 9047.
- intestinal microflora, competition, Streptococcus bovis, Megasphaera elsdenii 7222.
- isolates, Pasteurella multocida, characterization 94.
- isolates, Salmonella typhimurium, drug resistance, incidence, R factors 3112.
- isolates, Streptococcus group B, serotyping, phage typing 2550.

Cattle, (continued)
  isolation, Leptospira serotypes 9339
  isolation, Salmonella, role, disease transmission, India 2352.
  juveniles, anaplasmosis, Brazil 7245.
  juveniles, Brucella abortus, antibody response, Yersinia enterocolitica experimental infection effects on 1068.
  juveniles, Chlamydia psittaci, etiology, polyarthritis 3643.
  juveniles, coliforms population levels, acidic hay effects on, feces 9325.
  juveniles, diarrhea, Campylobacter fetus subsp.jejuni, isolation, pathogenicity 3597.
  juveniles, diarrhea, detection, Escherichia coli, methodology 3162.
  juveniles, diarrhea, Escherichia coli pathogenicity 9338.
  juveniles, diarrhea, etiology, diagnosis 1066.
  juveniles, diarrhea, pathogenesis, fluids treatment 10661.
  juveniles, diarrhea, treatment, association, liquids intake 10646.
  juveniles, disease transmission, Anaplasma marginale, infection, Cricetomys gambianus, Nigeria 3631.
  juveniles, enteritis, treatment, neomycin, bacitracin 5480.
  juveniles, Escherichia coli, antigen K99, antibiotic resistance, incidence 11445.
  juveniles, Escherichia coli serotypes isolation 4707.
  juveniles, Escherichia coli+rotavirus, immunization (passive), maternal transfer, antibody response 9054.
  juveniles, feeding regimes, colostrum, colonization, intestine walls, electron microscopy 4542.
  juveniles, hemoglobinuria, association, necrobacillosis 5456.
  juveniles, hemoglobulinuria, Clostridium novyi, Clostridium hemolyticum, Fusobacterium necrophorum, case reports 8113.
  juveniles, incidence, rotavirus+Escherichia coli, mixed infection 12049.
  juveniles, infection, Babesia bovis, Anaplasma marginale, antibody response, Bolivia 11578
  juveniles, intestinal microflora, colostrum diets effects on 1054.
  juveniles, intestinal microflora, sucrose diets effects on 1045.
  juveniles, intestine, Escherichia coli, Salmonella typhimurium, H2 plasmid transfer 9897
  juveniles, leukocytes (mononuclear), activity, levels, association, Corynebacterium parvum 10216.
  juveniles, Maraxella bovis, keratoconjunctivitis, vaccination, immune response 9050
  juveniles, meningoencephalitis, Mycobacterium tuberculosis, India, case reports 3620.
  juveniles, Mycobacterium, paratuberculosis, pathogenicity, immune response (cell-mediated) 6062.
  juveniles, Pasteurella, infection, prophylaxis, vaccination 4344.
  juveniles, Pasteurella, respiratory tract diseases, incidence, clinical aspects 4555.
  juveniles, Pasteurella, viruses, respiratory tract diseases, incidence 4585.
  juveniles, respiratory syncytial virus vaccination, antibody response, infection prophylaxis 4350.
  juveniles, Salmonella dublin experimental infection, association, inoculum size 3626.
  juveniles, Salmonella dublin salmonellosis, control 6373.
  juveniles, Salmonella infection, epidemiology 10659.
  juveniles, Salmonella typhimurium, experimental infection, immune response, antigen O 9021.
  juveniles, Salmonella typhimurium salmonellosis, treatment, apramyan 5461.
  juveniles, septicemia, Mycoplasma 9337.
  juveniles, serum+culture (media) effects on Chlamydia trachomatis 5559.
  juveniles, serum resistance, induction, Neisseria gonorrhoeae, culture (media) 5986.
  juveniles, zinc, plasma levels, symptoms, Salmonella dublin, experimental infection 1102.
  keratoconjunctivitis, cornea pathology, Moraxella bovis 1059.
  keratoconjunctivitis Moraxella bovis, association Musca autumnalis 6366.
  keratoconjunctivitis, Moraxella bovis, epizootiology, risk factors 4592.
  keratoconjunctivitis, Moraxella bovis vaccination 636.
  lameness, role, Chlamydia 2357.
  Leptospira, infection, diagnosis, incidence, Bolivia 4554.
  Leptospira interrogans, ser. hardjo, ser. pomona, infection, incidence, diagnosis, USA, Florida 2381.
  Leptospira interrogans ser. pomona, Mephitis mephitis, disease transmission, Canada 3623.
  Leptospira interrogans ser.hardjo infection, carriers 1084.
  Leptospira interrogans ser.hardjo infection, seroepidemiology, USA, Colorado 8115.
  Leptospira interrogans vaccination, leptospirosis 11650.
  leptospirosis, abortion, diagnosis, agglutination 1062.
  leptospirosis, Leptospira interrogans ser.hardjo 9373.
  leptospirosis, Leptospira var.hardjo, var. szwajizak, pathogenesis 9354.
  leukocyte migration inhibition, association, Brucella abortus experimental infection+vaccination 9037.
  leukocytes (neutrophilic), infection, Staphylococcus aureus, antibacterial activity, cloxacillin, role, lysostaphin 8773.
  leukocytes (neutrophilic), Pasteurella haemolytica cytotoxicity 559.
  leukocytes, Pasteurella haemolytica cytotoxicity 6005.
  leukocytes (polymorphonuclear), bactericidal activity, Escherichia coli, Staphylococcus aureus 1898.
  listeriosis, diagnosis, treatment, clinical aspects 6361.
  lymphangitis, Pasteurella pseudotuberculosis, Actinobacillus lignieresii, media (isolation), identification 12260.
  lymphocyte transformation, Mycoplasma arthritidis, mitogens, antigenic characteristics, specificity 6887.
  lymphocytes, response, phytohemagglutinin, Brucella abortus antigens effects on 605.
  macrophages, Brucella abortus lipopolysaccharides effects on, in vitro 3221.
  males, campylobacteriosis, incidence, Germany, Fed. Rep. 7282.
  males, campylobacteriosis, prophylaxis, vaccination, efficacy 3259.
  males, genital tract infection, Mycoplasma bovigenitalium 9372.
  males, Mycoplasma bovis, infection, treatment, hygiene 3579.
  mammary gland epithelium cells, cell adhesion, Streptococcus agalactiae 12051.
  mammary gland, Streptococcus agalactiae, Staphylococcus aureus, Staphylococcus hyicus, infection, aflatoxin, effects on 1097.
  mastitis 13402.
  mastitis, arthritis, association, Mycoplasma agalactiae subsp.bovis, Germany, Fed. Rep. 5486.
  mastitis, association, Aeromonas hydrophila 3642.
  mastitis, association, Escherichia coli toxins 4567.

Cattle, (continued)
  mastitis, case surveys, Netherlands, British Isles 12054.
  mastitis, clinical isolates, Klebsiella, Escherichia coli, Staphylococcus aureus, antibiotic resistance 5107.
  mastitis, control, Netherlands 1058.
  mastitis, control programs, Czechoslovakia 2383.
  mastitis, control programs, Netherlands 7259.
  mastitis, cow's milk, disease transmission, Streptococcus zooepidemicus, infection, chickens 4574.
  mastitis, diagnosis 13389.
  mastitis, diagnosis, cells enumeration 7274.
  mastitis, diagnosis, milk, electrical conductance 10657.
  mastitis, diagnosis, use, mannitol media (culture) 16.
  mastitis, disease control 12050.
  mastitis, disease control, reviews 9348.
  mastitis, disease control, teat dips 1074.
  mastitis, effects on milk production, mathematical models 2337.
  mastitis, Escherichia coli 13383.
  mastitis, Escherichia coli, factors affecting 1120.
  mastitis, Escherichia coli, milk, levels, glucocorticoids, bovine serum albumin 12069.
  mastitis, etiology, Bacteroides fragilis, Peptococcus indolicus, Eubacterium lentum, Eubacterium aerofaciens, Propionibacterium granulosum, Streptococcus, role 3635.
  mastitis, etiology, incidence, Brazil 7266.
  mastitis, hygiene, conferences 10826.
  mastitis, incidence 7255.
  mastitis, incidence, Canada 8111.
  mastitis, isolates, Staphylococcus aureus, coagulase negative Staphylococcus, antibiotic sensitivity testing 385.
  mastitis, milk isolates, Nocardia asteroides, Mycobacterium 2387.
  mastitis, milking machines, disinfection, Staphylococcus aureus, Pseudomonas, Proteus, Streptococcus, detection 2347.
  mastitis, Mycoplasma bovis 8106.
  mastitis, pathogenesis role Streptococcus group G antigens 8109.
  mastitis prophylaxis, vaccination 7244.
  mastitis, Proteus mirabilis, pathology, case reports 7246.
  mastitis, relationship, Escherichia coli, phage typing 10877.
  mastitis, role, milking machines 3586.
  mastitis, role milking machines 10683.
  mastitis, role milking machines contamination 10671.
  mastitis, role milking machines, vacuum 10673.
  mastitis, role rumen absorption, Escherichia coli endotoxins, mastitis 11492.
  mastitis, role straw hygiene, coliforms, housing 10666.
  mastitis, Serratia liquefaciens etiology 5462.
  mastitis, Staphylococcus aureus isolates, methicillin, antibiotic resistance 5106.
  mastitis, Staphylococcus aureus, milking machines, vacuum, effects on 4570.
  mastitis, Staphylococcus aureus, Streptococcus, epidemiology 13399.
  mastitis, Staphylococcus aureus, Streptococcus, treatment, prophylaxis, antibiotics 5483.
  mastitis, Staphylococcus, treatment, spiramycin, pharmacokinetics 3634.
  mastitis, Streptococcus agalactiae, milk yield 5465.
  mastitis, Streptococcus agolactiae, Staphylococcus aureus, antibiotic resistance, streptomycin, neomycin 10019.
  mastitis, Streptococcus, disease control 2339.
  mastitis, Streptococcus isolates, penicillin antibacterial activity 5105.
  mastitis, subclinical infection, diagnosis, pathology 7248.
  mastitis, treatment, antibiotics 2358.
  mastitis, treatment, penicillin, Staphylococcus aureus 1067.
  mastitis, udder, pathology 5485.
  microflora, vagina, cervix, association, ovulation detection 10642.
  milk, blood, leukocytes (neutrophilic), antibacterial activity, Staphylococcus aureus, inhibition, cream 4544.
  milk, citric acid, levels, mastitis, effects on 3622.
  milk lymphocytes, immunity (cell-mediated), assays, brucellosis 10137.
  milk production, Staphylococcus aureus, mastitis, teat, udder, morphology, relationship 3581.
  milk ring test, detection, Brucella abortus 1094.
  mixed infection, parainfluenza virus 3+Pasteurella haemolytica, Corynebacterium parvum effects on lung bacteria immune clearance 13034.
  muscle attachment, Pseudomonas fragi 9604.
  Mycobacterium avium serotypes, pathogenicity, experimental infection, tuberculosis 7238.
  Mycobacterium bovis detection, enzyme-linked immunosorbent assay 501.
  Mycobacterium, isolation, characterization, antigenic relationship, Mycobacterium paratuberculosis 45.
  Mycobacterium paratuberculosis, lymphocyte transformation tests, diagnosis 2385.
  Mycoplasma agalactiae subsp.bovis, immunoglobulin G, detection, enzyme-linked immunosorbent assay 1843.
  Mycoplasma bovis, infection, clinical aspects, treatment, Germany, Fed. Rep. 3576.
  Mycoplasma bovis infection, complement activation, antibacterial activity, association, immunoglobulin G, immunoglobulin M 9012.
  Mycoplasma bovis, mastitis, reviews 10698.
  Mycoplasma infection, immunodiagnosis 10706.
  Mycoplasma, mastitis, diagnosis, disease transmission 3573.
  Mycoplasma mycoides subsp.mycoides infection, cattle, antibodies detection, passive hemagglutination 11628.
  neonates, colibacillosis, Escherichia coli, small intestine, ultrastructure, electron microscopy 6352.
  neonates, diarrhea, Escherichia coli incidence, sulfonamide, +colistin treatment 11768.
  neonates, enteritis, Escherichia coli, etiology, prophylaxis, reviews 4568.
  neonates, epidemics, mixed infection, coccidiosis+rotavirus+Escherichia coli 4590.
  neonates, Escherichia coli, diarrhea, intestinal microflora, redox potential 3614.
  neonates, Escherichia coli, immunization (passive) 9063.
  neonates, scours, Escherichia coli, pathology, disease control 10721.
  nose microflora, incidence, Mycoplasma, Chlamydia 13365.
  paratuberculosis, Corynebacterium equi effects on complement fixation tests 7924.
  paratuberculosis, Mycobacterium paratuberculosis, diagnosis, lymphocytes stimulation 1117.
  Pasteurella haemolytica abortion, case reports 1121.
  Pasteurella haemolytica, effects on, immune clearance, Mycoplasma bovis, bovine

attle, (continued)
diarrhea-mucosal disease virus, lung 10236
Pasteurella multocida, hemorrhagic septicaemia, diagnosis, incidence, clinical aspects, South Africa 3639
Pasteurella multocida, isolation, biochemical characteristics, serotyping, Malaysia 34.
placenta, umbilical cord, fetuses, Brucella abortus infection, bacteria serum levels 3613
pneumonia, immunodiagnosis, infection, Mycoplasma, Ureaplasma 10707.
pneumonia, pathology, Pasteurella haemolytica, interaction, parainfluenza virus 3, mixed infection 10692
postparturition, uterus, infection, Fusobacterium necrophorum, Corynebacterium pyogenes, synergism 2371.
Pseudomonas aeruginosa, mastitis, outbreaks, case reports 3568
redwater, Clostridium hemolyticum vaccination, immune response 628.
reproduction, Brucella, vaccination, Ivory Coast, effects on 1912.
reproduction, streptotrichosis, Dermatophilus congolensis, effects on 2367.
reproductive systems, Pasteurella haemolytica, incidence 4536
rumen, bacteria, growth, nitrogen sources, effects on 3562.
rumen microorganisms, biodegradation, proteins, juveniles 3563
rumen microorganisms, transformation, Solanum tuberosum glycoalkaloids 2328
rumen spirochaeta, biochemical characteristics, morphology, role digestion 12033.
Salmonella bovis morbificans infection, outbreaks, British Isles 13408
Salmonella dublin oral infection, Fasciola hepatica infection effects on 7273
Salmonella infection, immune response detection, use, hypersensitivity (delayed) skin tests 8906
Salmonella mbandaka infection, transmission, association, food contamination 10667.
Salmonella typhimurium vaccines, salmonellosis, immunity 13060.
salmonellosis, animal models, relationship, treatment, trimethoprim, sulfadiazine 2363
salmonellosis, animal models, relationship, treatment, antibacterial agents 2370.
Salmonellosis, epidemiology 13410
salmonellosis, immunity induction, killed Salmonella dublin injection 9040.
salmonellosis, Salmonella anatum, hay contamination, cattle 1116.
scours, Escherichia coli, disease control, prophylaxis, vaccines 10276
semen, bacteria isolates, antibiotic sensitivity testing 5047.
semen, isolation, Haemophilus somnus, epizootiology 9355.
Serratia marcescens mastitis, teat dips, antibiotics treatment, case reports 13393.
serum, stimulation, Escherichia coli, Salmonella typhimurium, growth, role, iron, siderophores 2673
shipping fever pneumonia, bovine rhinotracheitis, Pasteurella, interaction, herpesvirus (bovine) 1, pathology, etiology, reviews 10693
somatotropin genes cDNA, gene expression, Escherichia coli 8667.
Staphylococcus aureus, mastitis, experimental infection, histopathology 2393.
Staphylococcus aureus mastitis incidence, Norway 5482.
Staphylococcus aureus, mastitis, leukocytes (polymorphonuclear) migration, mammary gland 8951.
Staphylococcus aureus mastitis, prophylaxis, teat dips, chlorhexidine digluconate+glycerin 5453.
Stomoxys calcitrans, Hippobosca rufipes, disease transmission, anaplasmosis 3594.
Streptococcus group B, experimental infection, mastitis, glucose, albumin, somatic cells, levels 3624
Streptococcus uberis contamination 5479.
streptotrichosis, Dermatophilus congolensis antibodies, serum levels, detection, milk 1906
streptotrichosis, Dermatophilus congolensis, treatment terramycin 7269.
sulfur granules induction, Pseudomonas aeruginosa 2342
teat, Escherichia coli, experimental infection, relationship, milking 3621.
Tritrichomonas foetus, agglutinins, detection, Campylobacter fetus, vaccination 4334.
tropical environments, parasitic diseases effects on public health 13369.
tuberculin skin tests, association, Mycobacterium, contamination, milk 4561
tuberculosis, diagnosis, comparison, tests 12077.
tuberculosis, eradication 2334.
tuberculosis, incidence, India 3618
tuberculosis, man, disease transmission 4560
tuberculosis, Mycobacterium bovis, clinical aspects, treatment, British Isles 7284
udder, Staphylococcus aureus subclinical infection 7231
Ureaplasma, characterization, role antisera 5574.
urinary tract infection, relationship, infertility, housing, age, effects on 3578.
USA, incidence, clostridium septicum infection 10705.
vaccination, Campylobacter fetus subsp.venerealis, immunity 11646.
vaccination, Pasteurella haemolytica, Pasteurella multocida, challenge immunity, bovine rhinotracheitis virus infection effects on 9039
vesicular gland, experimental infection, Mycoplasma bovis, pathogenicity 10648.
wound infection, association tails 6344.
Yersinia enterocolitica, infection, detection, serological surveys 3632.

Cattle mastitis,
antibiotic therapy, glucose+ 3570.

Caulobacter,
cell division, septation, morphology 12332.
halophilic bacteria, marine environment 5546.
interspecific relationships, symbiosis, Cryptomonas 8157.
taxonomy, phages, ecology, nutrition, culture, structure, reviews 3795.
tuf gene, duplication, gene mapping 2871.

Caulobacter crescentus,
cell division, differentiation role, cell surfae structure localization 8439.
deoxyribonuclease activity 1509.
developmental stages, relationship, protein biosynthesis 64.
exodeoxyribonuclease V, purification, characterization 4878.
fatty acids, biosynthesis, utilization, composition 12718.
flagella morphogenesis, role flagellin 4740.
flagella, morphology, structure, models 8386.
flagella, proteins, genes, gene expression, peptide mapping 12751.
flagellin, multiple forms comparison, peptide mapping, N-terminus amino acid sequence 8537.
flagellin, multiple forms, peptide mapping, amino acid sequence 8517.
gene mapping 6704.
nucleoids, morphology, sedimentation, centrifugation, electron microscopy 9579.
nucleoids, RNA, transcription, translation 8506.
penicillin-binding protein, characterization 5732.
phage ΦCr30T, temperature-sensitive mutant, transduction 2886.

Caulobacter crescentus, (continued)
pili production, association growth stage 5628.
transposon Tn5, transposon Tn7, insertion, mutagenesis 6767.

Caulobacter vibrioides,
RP1 plasmid, pili, effects on, phage PRR1 infection, conjugation 1675.

Cavitation,
lung tuberculosis pathology, man 781.
pneumonia, Legionella pneumophila, diagnosis, treatment, man 803.

Cecitis,
Clostridium difficile, suppression, intestinal microflora, antibiotic therapy, hamsters 3603.

Cecititis,
hamsters, Clostridium difficile, toxin A, toxin B, effects on 6866.

Cecropin A,
peptide synthesis, antibacterial activity 12911.

Cecropins,
Hyalophora cecropis, antibacterial activity 8853.

Cecum,
bacteria, glycosidases, isolation, role, glycoprotein degradation, rats 2331.
carcinoma, association, bacteria, gas gangrene, man, case reports 2047.
cattle, Yersinia enterocolitica isolation, Chile 7230.
Lohita grandis, symbiosis, bacteria 6386.
microflora, erythrosine, antibacterial activity, rats 6322.
Salmonella paratyphi, competition, Lactobacillus, chickens 6328.

Cefaclor,
antibacterial activity, Haemophilus influenzae, comparison, cephalosporins 6790.
bactericidal activity, Enterobacteriaceae 6812.
bronchitis, treatment, cephalexin, clinical trials, man 1994.
prophylaxis, Haemophilus influenzae infection, association, saliva, serum levels, man 11990.
treatment, bacteria, respiratory tract infection, otitis media, man 4382.
treatment, bacteria, urinary tract infection, respiratory tract infection, man 4420
treatment, otitis media, children 13129.
treatment, otitis media, Haemophilus influenzae, children 13153.
treatment, respiratory tract infection, man 6991.
treatment, Streptococcus, otitis media, pharyngitis, skin infection, man 13264.
treatment, urinary tract infection, prognosis indicators, C-reactive protein, antibody-coated bacteria, man 10402.

Cefadroxil,
antibacterial activity, in vitro, Escherichia coli, Staphylococcus aureus, Klebsiella pneumoniae, in vivo 354.
antibacterial activity, in vitro, treatment, bacteria infection, man 3016.
antibacterial activity, Staphylococcus aureus, Streptococcus pyogenes, Escherichia coli, in vitro, treatment, infection, man 3015.
antibacterial activity, treatment, infection, children 5063.
comparison, cefaclor, antibacterial activity, Haemophilus influenzae 6790.
powder, treatment, infection, children 1007.
treatment, bacteria, infection, side effects, children, man 4479.
treatment, bacteria, infection, side effects, children, man 4534.
treatment, bacteria, respiratory tract infection, side effects, children, man 4407
treatment, bacteria, respiratory tract, urinary tract, infection, side effects, children, man 4404.
treatment, infection, children 5379.
treatment, infection, children, pharmacokinetics 5417.
treatment, pharyngitis, children, streptococcus 747.
treatment, pharyngitis, Streptococcus group A, children 10336.
treatment, Streptococcus group A respiratory tract infection, man 9087.

Cefamandole,
antibacterial activity 9965.
antibacterial activity, Chlamydia trachomatis 6806.
antibacterial activity, Nocardia asteroides 8776.
antibacterial activity, Staphylococcus aureus 6803.
antibiotic resistance, bacteria, development, association, treatment, man 3062.
Enterobacter cloacae antibiotic resistance, association penicillinase 12917.
prophylaxis, bacteria, postoperative infection, heart surgery, man 2252.
treatment, bacteremia, Haemophilus influenzae, children, case reports 11937.
treatment, Haemophilus influenzae infection, children, infants 2217
treatment, Haemophilus influenzae infection, meningitis complications, children 2216.
treatment, pneumonia, Haemophilus influenzae, Streptococcus pneumoniae, man 7001.
treatment, pneumonia, man 801.
treatment, Salmonella bacteremia, man 7152.
treatment, shigellosis, man 3437.

Cefaperazone,
treatment, urinary tract infection, bacteria, man 8002.

Cefapirin,
prophylaxis, bacteria, postoperative infection, heart surgery, man 2252.

Cefatrizine,
antibacterial activity, treatment, oral infection, man 329.
comparison, cefaclor, antibacterial activity, Haemophilus influenzae 6790.

Cefazedone,
prophylaxis, bacteria, postoperative infection, heart surgery, man 2252.

Cefazolin,
antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa 1708.
antibacterial activity, Klebsiella pneumoniae, comparison, temocillin 9943.
antibacterial activity, Streptococcus pyogenes, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 1720.
antibacterial activity, ultrastructure, Klebsiella pneumoniae, in vitro, in vivo 336.
antibiotic resistance, Pseudomonas aeruginosa, Enterobacteriaceae, antibacterial activity, cephalosporins 5082.
comparison, cefazolin+metronidazole, colon surgery, complications, antibiotic prophylaxis, man 10498.
+dicloxacillin treatment, bacteria urinary tract infection, man 10393.
peritonitis, bacteria, treatment, man, clinical trials 2321.
prophylaxis, postoperative infection, Staphylococcus aureus, gram-negative bacteria, Bacteroides melaninogenicus, man 13259.
toxicity testing, Staphylococcus aureus, endophthalmitis, rabbits, animal models 11873.
treatment, urinary tract infection, adults, man 7999.
treatment, urinary tract infection, man, comparison, cefuroxime 10411.

Cefazoline,
  prophylaxis, postoperative infection, biliary tract surgery, cefazoline 4503.
  prophylaxis, postoperative infection, heart, surgery, timing, man 3513.
  treatment, urinary tract infection, man 3401.
Cefmenoxime,
  antibacterial activity, Escherichia coli, Serratia marcescens, morphology 3027.
  antibacterial activity, Haemophilus influenzae, Haemophilus parainfluenzae 9942.
  antibacterial activity, Neisseria gonorrhoeae, comparison, cefotaxime, cefoxitin, penicillin, in vitro 3006.
  antibacterial activity, penicillinase, stability 9961.
  +cefsulodine, antibacterial activity, Serratia marcescens, antibiotic sensitivity testing, antibiotic synergism 3018
  effects on, morphology, Escherichia coli, Serratia marcescens 4177
  stability, antibacterial activity, penicillinase 346.
Cefmenoximine,
  antibacterial activity, Enterobacteriaceae, Staphylococcus aureus, Bacteroides fragilis, Haemophilus influenzae, Neisseria gonorrhoeae 6810.
Cefmetazole,
  antibacterial activity 8775.
  antibacterial activity, comparison cephazolin, Escherichia coli experimental infection, rats 5923
  antibacterial activity, Klebsiella pneumoniae, Escherichia coli, Staphylococcus aureus, infants, man 1710.
  antibacterial activity, serum levels, man, high-performance liquid chromatography 9947.
  antibacterial activity, Streptococcus pyogenes, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 1720.
  prophylaxis, treatment, uterus infection, pregnancy, effects on fetuses, man 869.
  treatment, bronchopneumonia, man 777.
  treatment, infection, respiratory tract, urinary tract, meningitis, septicemia, infants, man 985.
  treatment, sepsis, infection, escherichia coli, infants, man 996.
Cefodizime,
  antibacterial activity 11409
  antibacterial activity, Enterobacteriaceae, Streptococcus, Haemophilus, Neisseria, Proteus morganii, Proteus vulgaris, Staphylococcus aureus, Pseudomonas aeruginosa, Bacillus cereus, Acinetobacter 6809.
Cefonicid,
  Streptococcus group B, bactericidal activity 6795.
  treatment, pneumonia, Haemophilus influenzae, Streptococcus pneumoniae, man 7001.
Cefoperazone,
  antibacterial activity 347.
  antibacterial activity 9970.
  antibacterial activity, antibiotic resistance, gram-negative bacteria, clinical isolates, gram-positive bacteria 9934.
  antibacterial activity, antibiotic sensitivity testing, bacteria 7786.
  antibacterial activity, antibiotic sensitivity testing, Clostridium difficile 8763.
  antibacterial activity, Bacteroides fragilis 6789.
  antibacterial activity, Bacteroides fragilis 6799
  antibacterial activity, characterization 5924.
  antibacterial activity, clinical isolates 12900.
  antibacterial activity, clinical isolates, Enterobacteriaceae, Pseudomonas, non-fermentative gram-negative bacteria 7792.
  antibacterial activity, clinical isolates, Enterobacteriaceae, Staphylococcus aureus 11406.
  antibacterial activity, clinical trials, infection, bacteria, man 8046.
  antibacterial activity, Lactobacillus, Bacteroides fragilis, Veillonella, comparison, ceftizoxime, cefoxitin, in vitro 3005.
  antibacterial activity, man clinical isolates, man serum effects on 9935.
  antibacterial activity, man, in vitro 4176.
  antibacterial activity, pharmacokinetics, use, antibiotic therapy, reviews 4171.
  antibacterial activity, Pseudomonas aeruginosa 5064.
  antibacterial activity, Pseudomonas aeruginosa 6797.
  antibacterial activity, Pseudomonas aeruginosa 6811.
  antibacterial activity, Staphylococcus aureus 6803.
  antibacterial activity, Streptococcus pneumoniae 12904.
  antibacterial activity, treatment infection, man, conferences 10847.
  antibiotic resistance, Escherichia coli, Klebsiella, Salmonella, penicillinase 7823.
  antibiotic sensitivity testing, Campylobacter fetus subsp.jejuni, in vitro 9926.
  antibiotic sensitivity testing, clinical isolates 7784.
  antibiotic sensitivity testing, gram-negative bacteria clinical isolates 11375.
  antibiotic sensitivity testing, regression analysis 9956.
  antibiotic synergism, penicillinase inhibitors 345.
  antibiotic synergism ticarcillin, antibacterial activity, gram-negative bacteria 9933.
  association, penicillanic acid,1,1-dioxide, antibacterial activity, Haemophilus influenzae 332.
  Bacteroides antibiotic resistance, ± penicillinase inhibitors, effects on 9994.
  clinical trials, gastrointestinal tract infection, wound infection, bacteria, man 7986.
  clinical trials, respiratory tract infection, Haemophilus influenzae, Enterobacteriaceae, man 7970.
  clinical trials, septicemia, bacteria, man 8050.
  comparison, antibacterial activity, N-formimidoyl thienamycin 337.
  comparison, N-formimidoyl thienamycin, antibacterial activity 9938.
  comparison, penicillins, gentamicin, treatment, meningitis, animal models 11847.
  penicillinase stability, antibacterial activity, Enterobacteriaceae 11410.
  treatment, bacteria infection, man 7091.
  treatment, bile duct infection, man 1002.
  treatment, biliary tract infection, man 10616.
  treatment, effects on, fecal microflora, man 11656.
  treatment, Enterobacteriaceae meningitis, pharmacokinetics, rabbits 7066.
  treatment, genital tract infection, urinary tract infection, man 843.
  treatment, infection, gram-negative bacteria, gram-positive bacteria, clinical trials, man 10619.
  treatment infection, man 10608.
  treatment, meningitis, Haemophilus influenzae, Streptococcus pneumoniae, animal models 7073.
  treatment, meningitis, Klebsiella pneumoniae, man, case reports 10429.
  treatment, pneumonia, pyelonephritis, man 10347.
  treatment, Pseudomonas aeruginosa infection, man 10582.
  treatment, respiratory tract infection, man 10349.
  treatment, urinary tract infection, pneumonia, renal failure, man 10601
Cefoperazone, (continued)
  urinary tract infection, bacteria, clinical trials, man 7996.
Ceforanide,
  comparison, cephalothin, prophylaxis, infection association vagina hysterectomy, man 11987.
  treatment, pneumonia, man 782.
  treatment, Streptococcus pneumoniae, Haemophilus influenzae, pneumonia, man 331
Cefotaxime,
  +amikacin, treatment, gram-negative bacteria infection, immunocompromised hosts, leukemia, man 6277.
  ± ampicillin, antibacterial activity, Streptococcus group B 334.
  antibacterial activity 1724.
  antibacterial activity 9208.
  antibacterial activity, aerobic bacteria, anaerobic bacteria, clinical isolates 6796.
  antibacterial activity, antibiotic sensitivity testing, Clostridium difficile 8763.
  antibacterial activity, Bacillus fragilis, Pseudomonas cepacia 2060.
  antibacterial activity, Bacteroides fragilis 6789.
  antibacterial activity, binding affinity penicillin-binding protein, Escherichia coli, Pseudomonas aeruginosa, morphology 5916.
  antibacterial activity, clinical isolates 12900.
  antibacterial activity, clinical isolates, Enterobacteriaceae, Pseudomonas, non-fermentative gram-negative bacteria 7792.
  antibacterial activity, Enterobacteriaceae, cephalothin resistance, treatment, man, pneumonia, septicemia, urinary tract infection 8772.
  antibacterial activity, Enterobacteriaceae, penicillinase, biosynthesis, in vitro 360.
  antibacterial activity, Enterobacteriaceae, Pseudomonas 4178.
  antibacterial activity, Escherichia coli, Streptococcus faecalis 12903.
  antibacterial activity, gram-negative bacteria 5915.
  antibacterial activity, gram-negative bacteria 12901.
  antibacterial activity, gram-negative bacteria, Enterobacteriaceae, infection, man 8074.
  antibacterial activity, gram-negative bacteria, gram-positive bacteria, clinical isolates 9934
  antibacterial activity, gram-negative bacteria, stability, penicillinase, comparison N-formimidoyl thienamycin 12906.
  antibacterial activity, gram-positive bacteria 1716.
  antibacterial activity, Haemophilus, infection, children 8076.
  antibacterial activity, Haemophilus influenzae, Haemophilus parainfluenzae 9942.
  antibacterial activity, in vitro 1718.
  antibacterial activity, in vitro, comparison cephalosporins 7794.
  antibacterial activity, intestinal microflora, children 6139.
  antibacterial activity, Neisseria gonorrhoeae 1725.
  antibacterial activity, Neisseria gonorrhoeae, comparison, cefmenoxime, cefoxitin, penicillin, in vitro 3006.
  antibacterial activity, Pseudomonas aeruginosa 5064.
  antibacterial activity, Pseudomonas aeruginosa 6797.
  antibacterial activity, Pseudomonas aeruginosa 6811.
  antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 12905.
  antibacterial activity, Pseudomonas aeruginosa, Serratia marcescens, Klebsiella pneumoniae, Providencia stuartii 4166.
  antibacterial activity, respiratory tract bacteria, man 805.
  antibacterial activity, Staphylococcus aureus 6803.
  antibacterial activity, treatment, bacteria infection, man 1730.
  antibiotic resistance, Enterobacter cloacae, Pseudomonas aeruginosa, role, cephalosporinases, binding 8800.
  antibiotic resistance, sepsis, gram-negative bacteria, clinical trials, man 7155.
  antibiotic sensitivity testing, gram-negative bacteria, clinical isolates 5057.
  antibiotic sensitivity testing, Pseudomonas aeruginosa, antibiotic resistance, pencillinase 3029.
  ± azlocillin± amikacin, antibiotic synergism 1704.
  ± azlocillin, antibacterial activity, clinical isolates, Pseudomonas aeruginosa, Streptococcus faecalis 7765.
  clinical trials, treatment, bacteria infection, man 11969.
  comparison, antibacterial activity, N-formimidoyl thienamycin 337.
  comparison, cefuroxime, clinical trials, urinary tract infection, man 6228.
  comparison, N-formimidoyl thienamycin, antibacterial activity 9938.
  derivatives, structure-activity relationships, antibacterial activity, gram-negative bacteria, gram-positive bacteria 5058.
  desacetyl-cefotaxime, antibiotic synergism, antibacterial activity, penicillinase stability 9969.
  Enterobacteriaceae, antibacterial activity 5914.
  gram-negative bacteria, antibacterial activity, structure-activity relationships 5913.
  penicillinase, hydrolysis, immunological aspects, Proteus vulgaris, Pseudomonas cepacia 1514.
  penicillinase stability, antibacterial activity, Enterobacteriaceae 11410.
  ± ticarcillin treatment, bacteria bronchopulmonary infection, man, association intensive care units 13117.
  tissues concentration, treatment, genital tract infection, man 2094.
  ± tobramycin, serum bactericidal activity, Pseudomonas aeruginosa, Staphylococcus aureus, man 313.
  treatment, bacteria infection, children 6267.
  treatment, bacteria infection, recommendations, man, reviews 7182.
  treatment, biliary tract infection, bacteria, man 3511.
  treatment, burn infection, bacteremia, endocarditis, Serratia marcescens, children 685.
  treatment, Enterobacteriaceae infection, intensive care units, man 6281.
  treatment, Enterobacteriaceae infection, man 6265.
  treatment, Enterobacteriaceae meningitis, pharmacokinetics, rabbits 7066.
  treatment, Enterobacteriaceae septicemia, man 6269.
  treatment, gastrointestinal tract infection, man 6207.
  treatment, genital tract infection, aerobic bacteria, anaerobic bacteria, females, man 2100.
  treatment, genital tract infection, association, pregnancy, man 2102.
  treatment, genital tract infection, females, man 1724.
  treatment, genital tract infection, females, man 2060.
  treatment, genital tract infection, females, man 2099.
  treatment, genital tract infection, females, man 2101.
  treatment, gonorrhea, man 6244.
  treatment, gram-negative bacteria infection, children 6296.
  treatment, gram-negative bacteria infection, man 6272.
  treatment, gram-negative bacteria infection, man 6280.
  treatment, gram-negative bacteria meningitis, pharmacokinetics, children 6232.

efotaxime, (continued)
treatment, gram-negative bacteria septicemia, antibiotic resistance, man 6268.
treatment, gram-negative bacteria septicemia, man 6270.
treatment, gram-negative bacteria urinary tract infection, man 6213.
treatment, infection, clinical trials, bacteria, 4532
treatment, infection, man 938.
treatment, meningitis, Enterobacter, Haemophilus influenzae, children 6238.
treatment, meningitis, Staphylococcus epidermidis, Streptococcus, Haemophilus, Escherichia coli, children 895.
treatment, meningitis, ventriculitis, Escherichia coli, man 8013.
treatment, pelvic inflammatory disease, man, Neisseria gonorrhoeae 7079.
treatment, pneumonia, Streptococcus pneumoniae, Haemophilus influenzae, man 7002.
treatment, respiratory tract infection, man 6176.
treatment, septicemia, man 7121
treatment, urinary tract infection, man 3401.
efotetan,
antibacterial activity, clinical isolates 5926.
efotiam,
antibacterial activity 341.
antibacterial activity 347.
antibacterial activity, Escherichia coli, Klebsiella pneumoniae, Proteus inconstans, Pseudomonas aeruginosa, Serratia marcescens, Enterobacter cloacae, Citrobacter freundii, Acinetobacter calcoaceticus 6800
antibacterial activity, Pseudomonas aeruginosa 5064.
antibacterial activity, Staphylococcus aureus, Escherichia coli, Klebsiella pneumoniae, treatment, bacteria infection, man 2191.
antibacterial activity, Streptococcus pyogenes, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 1720.
antibacterial activity, treatment, bacteria infection, mice, rats, guinea-pigs 6798
antibacterial activity, treatment, infection, children 1719.
antibacterial activity, treatment, infection, children 1726.
antibacterial activity, treatment, infection, man 1721.
antibacterial activity, ultrastructure, Klebsiella pneumoniae, in vitro, in vivo 336
+cefsulodine, antibacterial activity, Serratia marcescens, antibiotic sensitivity testing, antibiotic synergism 3018.
effects on, Bifidobacterium, Eubacterium, Propionibacterium, Lactobacillus, intestinal microflora, bowel, children 1918.
Neisseria gonorrhoeae, antibiotic sensitivity testing 1728.
treatment, bacteria infection, children 1025.
treatment, bacteria, infection, children 2223.
treatment, bacteria, infection, children 2306.
treatment, bacteria infection, children 7136.
treatment, infection, children 3541.
treatment, infection, pharmacokinetics, children 3539.
treatment, infection, respiratory tract, urinary tract, bacteria, children 3339.
treatment, pneumonia, cervix, , infection, tonsillitis 3344.
treatment, pneumonia, meningitis, infection, respiratory tract, urinary tract, man 794.
treatment, Streptococcus pyogenes, Streptococcus pneumoniae, Staphylococcus aureus, Haemophilus influenzae, Escherichia coli, Salmonella typhi, Campylobacter jejuni, infection, children 2248.
Cefoxitin,
anaerobic bacteria, antibiotic resistance 11439.
antibacterial activity, anaerobic bacteria, clinical isolates 6794.
antibacterial activity, Bacteroides fragilis 3010
antibacterial activity, Chlamydia trachomatis 6806
antibacterial activity, gram-negative bacteria 9933.
antibacterial activity, gram-negative bacteria, stability, penicillinase, comparison N-formimidoyl thienamycin 12906.
antibacterial activity, Lactobacillus, Bacteroides fragilis, Veillonella, comparison, ceftizoxime, cefoperazone, in vitro 3005.
antibacterial activity, Neisseria gonorrhoeae, comparison, cefmenoxime, cefotaxime, penicillin, in vitro 3006.
antibacterial activity, Nocardia asteroides 8776.
antibiotic prophylaxis, cesarean section postoperative infection, man 6314.
antibiotic resistance, Bacteroides thetaiotaomicron, R factors transfer 11429
antibiotic sensitivity testing in vitro, Brucella melitensis clinical isolates 11383.
antibiotic synergism, antibiotics, antibacterial activity, Enterobacteriaceae 362.
Bacteroides fragilis, 327.
± benzylpenicillin, treatment, endocarditis, Streptococcus sanguis, rabbits 330.
clinical isolates, Bacteroides fragilis, antibiotic sensitivity testing 11386.
effects on, microflora, colonization, mouth, colon, throat, man 10282.
prophylaxis, bacteria, postoperative infection, heart surgery, man 2252.
Staphylococcus aureus, antibiotic resistance 11441.
treatment, bacteria, respiratory tract infection, side effects, man 4403.
treatment, effects on, immune response, Enterobacter cloacae experimental infection, mice 13370.
Cefsulodin,
antibacterial activity, anaerobic bacteria, clinical isolates 6794.
antibacterial activity, Pseudomonas aeruginosa 5064
antibacterial activity, Pseudomonas aeruginosa 6797.
antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 12905.
antibacterial activity, Pseudomonas aeruginosa, Serratia marcescens, Klebsiella pneumoniae, Providencia stuartii 4166.
antibacterial activity, Pseudomonas aeruginosa, Staphylococcus aureus, antibiotic sensitivity testing 1715.
antibacterial activity, Pseudomonas aeruginosa, ticarcillin antibiotic resistance 5081
antibacterial activity, Staphylococcus aureus 6803.
antibiotic resistance, Pseudomonas aeruginosa, strains, characterization 12922.
± ticarcillin, ± mezlocillin, antibacterial activity, Pseudomonas aeruginosa, Serratia marcescens, in vitro 359.
treatment, nosocomial infection, Pseudomonas aeruginosa, man 7168.
treatment, nosocomial infection, Pseudomonas aeruginosa, man 8037.
treatment, Pseudomonas aeruginosa, infection, man 1035.
treatment, Pseudomonas aeruginosa, infection, tissues penetration, man 363.
treatment, Pseudomonas aeruginosa, septicemia, man 1036.
Cefsulodine+β-lactam antibiotics,
antibacterial activity, antibiotic sensitivity testing, Serratia marcescens 3018.
Cefsulodine,
+β-lactam antibiotics, antibacterial activity, antibiotic sensitivity testing, antibiotic synergism, Serratia marcescens 3018.
Cefsulodine, (continued)
treatment, Pseudomonas aeruginosa, meningitis, ventriculitis, levels, ventricles, man 3479.
Ceftazidime,
antibacterial activity 341.
antibacterial activity, antibiotics treatment, toxicity, pharmacokinetics, immunosuppression, conferences 5549.
antibacterial activity, bacteria, clinical isolates 5066.
antibacterial activity, bacteria clinical isolates, disc-diffusion test standards 5089.
antibacterial activity, bacteria, disc-diffusion test standards 5090.
antibacterial activity, bioassays, Bacillus subtilis, Proteus 5093.
antibacterial activity, clinical isolates, Enterobacteriaceae, Pseudomonas aeruginosa 5079.
antibacterial activity, clinical isolates, gram-negative bacteria 5088.
antibacterial activity, clinical isolates, Pseudomonas aeruginosa 5080.
antibacterial activity, clinical isolates, Pseudomonas aeruginosa, Pseudomonas cepacia 5086.
antibacterial activity, comparison, β-lactam antibiotics, gram-negative bacteria, gram-positive bacteria, Haemophilus influenzae 5073.
antibacterial activity, comparison, β-lactam antibiotics, gentamicin, gram-negative bacteria, gram-positive bacteria, experimental infection, mice 5438.
antibacterial activity, comparison β-lactam antibiotics, antibiotic resistance, role, penicillinase 5067.
antibacterial activity, comparison β-lactam antibiotics, aminoglycoside antibiotics, cephalosporins, clinical isolates, gram-negative bacteria 5071.
antibacterial activity, comparison β-lactam antibiotics, ceftriaxone, clinical isolates, gram-negative bacteria, gram-positive bacteria 5072.
antibacterial activity, comparison cephalosporin antibiotics, clinical isolates, gram-negative bacteria, gram-positive bacteria 5068.
antibacterial activity, comparison cephalosporins, antibiotic resistance, clinical isolates, Enterobacteriaceae 5075.
antibacterial activity, comparison cephalosporins, clinical isolates, gram-negative bacteria, gram-positive bacteria 5069.
antibacterial activity, comparison cephalosporins, clinical isolates, anaerobic bacteria 5078.
antibacterial activity, comparison, gentamicin, cephalosporin antibiotics, clinical isolates, gram-negative bacteria, gram-positive bacteria 5910.
antibacterial activity, disc-dilution test, clinical isolates, gram-negative bacteria, gram-positive bacteria 5091.
antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa, antibiotic resistance role penicillinase biosynthesis 5124.
antibacterial activity, gram-negative bacilli, nosocomial environments 324.
antibacterial activity, gram-negative bacteria 5076.
antibacterial activity, gram-negative bacteria clinical isolates 5077.
antibacterial activity, gram-negative bacteria clinical isolates 5108.
antibacterial activity, gram-negative bacteria, gram-positive bacteria 5065.
antibacterial activity, gram-negative bacteria, gram-positive bacteria 5074.
antibacterial activity, gram-negative bacteria, gram-positive bacteria 5084.
antibacterial activity, gram-negative bacteria, gram-positive bacteria, antibiotic sensitivity testing 5092.
antibacterial activity, growth curves, Escherichia coli, Pseudomonas aeruginosa 5083.
antibacterial activity, inactivation penicillinase, antibiotic resistance, Pseudomonas aeruginosa 5123.
antibacterial activity, Pseudomonas aeruginosa 5064
antibacterial activity, Pseudomonas aeruginosa 6811.
antibacterial activity, Pseudomonas aeruginosa, Enterobacteriaceae, cefazolin antibiotic resistance 5082
antibacterial activity, Pseudomonas aeruginosa, pharmacokinetics models 5085.
antibacterial activity, Pseudomonas aeruginosa, Pseudomonas, cations effects on 5094.
antibacterial activity, Pseudomonas aeruginosa, ticarcillin antibiotic resistance 5081.
antibacterial activity, Pseudomonas, Enterobacteriaceae, Klebsiella, Serratia, Proteus, Staphylococcus aureus, in vitro 357.
inactivation, penicillinase, kinetics, gram-negative bacteria 5120.
inactivation, penicillinase, role antibiotic resistance 5121.
treatment, bacteria infection, man 5439.
treatment, bacteria infection, man 5443.
treatment, bacteria, respiratory tract infection, man 5300.
treatment, bacteria, respiratory tract infection, man 5301.
treatment, bacteria, respiratory tract infection, man 5302.
treatment, Haemophilus influenzae meningitis, pharmacokinetics, rats 5344.
treatment, infection, gram-negative bacteria, man 5441.
treatment, infection, gram-negative bacterial, man 5440.
treatment, Pseudomonas aeruginosa experimental infection, pyelonephritis, rats 5332.
treatment, Pseudomonas aeruginosa infection, man 5442.
treatment, Pseudomonas aeruginosa infection, man, animals 1037.
treatment, Pseudomonas aeruginosa, urinary tract infection, man 5333.
Ceftezole,
treatment, respiratory tract infection, man 10325.
Ceftizomine,
antibacterial activity, gram-negative bacteria 12901.
Ceftizoxime,
antibacterial activity 341.
antibacterial activity, Bacteroides fragilis 3010.
antibacterial activity, Bacteroides fragilis 6789.
antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa 1708.
antibacterial activity, Haemophilus influenzae, Haemophilus parainfluenzae 9942.
antibacterial activity, Lactobacillus, Bacteroides fragilis, Veillonella, comparison, cefoperazone, cefoxitin, in vitro 3005.
antibacterial activity, Neisseria gonorrhoeae 1725.
antibacterial activity, Pseudomonas aeruginosa 6811.
antibacterial activity, Pseudomonas cepacia, Flavobacterium meningosepticum, Alcaligenes faecalis, Acinetobacter calcoaceticus, Pseudomonas aeruginosa, Pseudomonas putida, in vitro 328.
antibacterial activity, Streptococcus pyogenes, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 1720.
peritonitis, bacteria, treatment, man, clinical trials 2321.
Streptococcus group B, bactericidal activity 6795.
treatment, clearance bacteria, biliary tract, choledochlithiasis, man 10545.

Ceftriaxon,
  penicillinase stability, antibacterial activity, Enterobacteriaceae 11410.
Ceftriaxone,
  antibacterial activity 9216.
  antibacterial activity, anaerobic bacteria, comparison, β-lactam antibiotics 9945.
  antibacterial activity, comparison ceftazidime, β-lactam antibiotics, clinical isolates, gram-negative bacteria, gram-positive bacteria 5072.
  antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa, treatment infection, man 7789.
  antibacterial activity, gram-negative bacteria 12901.
  antibacterial activity, Pseudomonas aeruginosa 6811.
  antibacterial activity, treatment, experimental infection, gram-positive bacteria, gram-negative bacteria, mice 3567.
  antibiotic resistance, Enterobacter cloacae, Pseudomonas aeruginosa, role, cephalosporinases, binding 8800.
  bactericidal activity levels, cerebrospinal fluid, association, meningitis, man 11845.
  treatment, bacteria infection, man 8047
  treatment, bacteria infection, man 8051.
  treatment, gonorrhea, man 11853
Cefuroxim,
  treatment, neoplasia, bacteria, infection, man 12011.
Cefuroxime,
  ampicillin+chloramphenicol, treatment comparison, chloramphenicol meningitis, man 13218.
  antibacterial activity, Chlamydia trachomatis 6806.
  antibacterial activity, Escherichia coli, Klebsiella 6801.
  antibacterial activity, gram-negative bacteria 9933.
  antibacterial activity, Neisseria gonorrhoeae 418.
  antibacterial activity, Staphylococcus aureus, Escherichia coli, Proteus, in vitro, in vivo 7777.
  comparison, cefotaxime, clinical trials, urinary tract infection, man 6228.
  comparison, ceftazidime, antibacterial activity, Pseudomonas, Enterobacteriaceae, in vitro 358.
  penicillinase, hydrolysis, immunological aspects, Proteus vulgaris, Pseudomonas cepacia 1514
  treatment, bacteria infection, neonates, man 8075.
  treatment, Chlamydia trachomatis, Neisseria gonorrhoeae, mixed infection, genitourinary tract, children, case reports 2151.
  treatment, respiratory tract infection, children 3325
  treatment, respiratory tract infection, man 9096.
  treatment, urinary tract infection, association, renal failure, man 861.
  treatment, urinary tract infection, man, comparison, cefazolin 10411.
  use, prophylaxis, postoperative infection, man 10444.
Celiac disease,
  association farmer's lung, man 5238.
Cell adhesion,
  bacteria, hydroxyapatite association saliva, tetracycline effects on 8401.
  Escherichia coli, erythrocytes, infants man, diarrhea 7027.
  Streptococcus agalactiae, cattle mammary gland epithelium cells 12051.
  Streptococcus mutans defective mutants, isolation, characterization 8659.
  Streptococcus, role, saliva 8399.
  Streptococcus sanguis, hydroxyapatite 8398.
  Vibrio, starvation effects on 12359.
Cell agglutination,
  Escherichia coli, role, pili 6485
Cell aggregation,
  Streptococcus mutans defective mutants, isolation, characterization 8659.
  Streptococcus, role, saliva 8399.
Cell culture,
  Acholeplasma laidlawii, Mycoplasma hyorhinis, detection, autoradiography 1282.
  adherence, Streptococcus group A, influenza A virus infection 12395.
  bacteria, embedding, electron microscopy 5573.
  cattle endothelium, Haemophilus somnus effects on 9659.
  contamination, Mycoplasma, detection 9530.
  contamination, Mycoplasma, elimination, 5-bromouracil 9531.
  embryos lung fibroblasts, man, Mycoplasma hominis growth characterization 8443.
  filtrates, Mycoplasma salivarium, inactivation role 10862.
  Glycine max, glyceollin biosynthesis, induction, Pseudomonas syringae 12110.
  hamsters, infection, herpes simplex virus, deoxyctidine deaminase, association, Mycoplasma contamination 4682.
  HeLa cells, Escherichia coli enterotoxins effects on 1826.
  Lactobacillus delbrueckii, temperature, effects on Lactobacillus delbrueckii adaptability 7425.
  Leptospira infectin, supernatants antitumor activity, hamsters 10500.
  McCoy cells, Chlamydia trachomatis, Chlamydia psittaci, antigens, localization, outer membranes, immunofluorescence 3178.
  McCoy cells, treatment, emetine, growth, Chlamydia psittaci, Chlamydia trachomatis 3763.
  methodology, Agrobacterium, parabiosis, Calystegia 4671.
  minks lung, cytomegalovirus, varicella-zoster virus, plaque formation, Mycoplasma hyorhinis contamination, effects on 3776.
  monkeys, chickens, man, Legionella micdadei growth 20.
  Mycoplasma arginini contamination, effects on toxicity testing, hepatoma, rats 12226.
  Mycoplasma arginini effects on feline sarcoma virus 2425.
  Mycoplasma pneumoniae contamination, cytolysis 9529.
  rabbits, toxicity, enterotoxins, Salmonella wien 12982.
  Spiroplasma growth 5567.
  spleen, chickens immune response, Salmonella paratyphi 10217.
  Streptococcus faecalis, growth conditions effects on pyrolysis gas chromatography 9512.
  Treponema pallidum, adherence, effects on cells morphology 9578.
  Treponema pallidum, subculture, survival 8266.
Cell cycle,
  Bacillus subtilis, respiration, variation, synchronous culture, centrifugation 2680.
  bacteria, growth, gene regulation, chronobiology, reviews 10978.
  Brevibacterium ammoniagenes, morphology 12313.
  Caulobacter crescentus, cell division, differentiation role, cell surfae structure localization 8439
  effects on, Corynebacterium mediolanum, 21-acetate-3β,17α, 21-trihydroxy-5-pregnenone-20 conversion 12373.
  effects on, Escherichia coli, F plasmid, replication 2931.
  Escherichia coli, association, cytochromes characterization 12501.
Cell cycle, (continued)
  Mycobacterium avium, nutrient sources effects on 5650.
  septation, gene products, role, Bacillus subtilis, mutants 6533.
  Streptococcus pneumoniae, correlation, clearance, phagocytosis, opsonization 557.
Cell death,
  association, Klebsiella aerogenes, 3':5'-cyclic AMP phosphodiesterase, characterization 12688.
  Leishmania donovani, oxygen role, association, macrophages 11593.
  Salmonella minnesota resistance, association, complement components 10202.
Cell density,
  HeLa cells, effects on interaction Escherichia coli, Staphylococcus aureus 22.
  Rhodopseudomonas sphaeroides, growth rate, turbidity, measurements 10987.
  Thiobacillus acidophilus, Thiobacillus ferrooxidans, identification 4689.
Cell division,
  association, plasmolysis, Escherichia coli 12316.
  Bacillus subtilis, cell walls, assembly, ultrastructure, mathematical models 1362.
  bacteria, growth rate, marine environments, mathematical models 3733.
  bacteria, metabolism, growth, conferences 13543.
  Caulobacter crescentus, differentiation role, cell surfae structure localization 8439.
  Caulobacter, septation, morphology 12332.
  Escherichia coli, amino acid starvation effects on cell size 12428.
  Escherichia coli, cyclic AMP effects on 83.
  Escherichia coli, defective mutant, polysaccharides accumulation 84.
  Escherichia coli, DNA biosynthesis, length regulation 12357.
  Escherichia coli, radiation, effects on 95.
  Escherichia coli, relationship DNA biosynthesis, thymine starvation 8457.
  membrane proteins biosynthesis, kinetics, inhibition, Escherichia coli 8437.
  Mycobacterium avium, growth, macromolecules biosynthesis 5659.
  Proteus mirabilis, association, peptidoglycans biosynthesis 4078.
  Pseudomonas aeruginosa, association, flagella biosynthesis 5606.
  rates, association, Salmonella mutants, antibiotic resistance 10963.
  Streptococcus faecium, morphology, growth, relationship, surface properties, effects on 1333.
  Yersinia enterocolitica, endotoxins levels, temperature effects on 11484.
Cell envelopes,
  Escherichia coli, growth, role, cyclic AMP 2603.
  Escherichia coli, lipoproteins, transport mechanisms, association peptidoglycans 8515.
Cell fusion,
  Bacillus subtilis protoplasts, plasmid pUB110 transfer 12852.
  Bacillus subtilis, protoplasts, plasmid pUB110 transfer 12853.
  viruses, induction, Acholeplasma laidlawii, mobility, antibodies, cell surface 12285.
Cell lines,
  Clostridium oncolyticum, culture 11.
  Escherichia coli transformation, gene tk, phenotypes expression 7643.
  leukemia, cytotoxicity, macrophages, Corynebacterium parvum activation, mice 4296.
  mammalian cells, contamination, Mycoplasma hyorhinis, antibiotics treatment 8281.
  mice, membranes receptors, binding, enterotoxins, Escherichia coli, Vibrio cholerae 11499.
  Mycoplasma arthritidis, activation, macrophages, mice 9023.
  neuroblastoma cells, contamination, Mycobacterium hyorhinis, elimination, passage, mice 12220.
  use, isolation methodology, Chlamydia trachomatis 1252.
Cell membranes,
  Acholeplasma laidlawii, structure, Mycoplasmatales virus-laidawii 3 infection effects on 4992.
  adenylate cyclase regulation, Escherichia coli 12660.
  autolysis, uncouplers, starvation, ionophores, effects on, Bacillus subtilis 93.
  Bacillus megaterium, antibacterial activity, chlorhexidine diacetate 10039.
  bacteria, role pathogenesis, man, reviews 10154.
  Bacterionema matruchotii, electron transport chain 1419.
  cytochromes, Campylobacter fetus subsp.jejuni, respiration, association, hydrogen atmosphere 12451.
  Escherichia coli, nitrate reductase, processing, assembly 2798.
  Escherichia coli, proteins, comparison 8534.
  Escherichia coli, proteins structure 8553.
  Escherichia coli, structure, gene lamB proteins, phage λ receptors 8535.
  Escherichia coli, thermal injury, induction, formation, vesicles, blebs 12328.
  gram-negative bacteria, cephalosporin, oxacephalosporin, penetration, role, antibacterial activity 6496.
  heat shock, fluorescent probe, 1-anilino-8-napthalensulfonic acid, Escherichia coli 8365.
  invaginations, transport pathway, toxins, tetanus, cholera 6018.
  Neisseria gonorrhoeae, antigens, virulence, antibodies effects on 5198.
  permeability, role magnesium, Halobacterium halobium 7400.
  proteins function, Escherichia coli, conjugation deficient mutant 12556.
  proteins, insertion models, association, translation 8536.
  proteins, Streptococcus faecium, role, β-lactam antibiotics resistance 9990.
  proteins transport 8541.
  Pseudomonas aeruginosa, role, carbenicillin resistance 9991.
  Saccharomyces cerevisiae, fungi, cytolysis, N,-N-dimethyl-1-methyldodecylamine oxide 10937.
  Salmonella typhimurium, lipopolysaccharides, proteins, role, conjugation 1342.
  Shigella flexneri, protein compostion 8363.
  Staphylococcus aureus, glycoprotein composition, antigens, mitogenicity, mice, hypersensitivity (delayed) 5219.
  streptococcus, binding, lymphocytes T surface markers, poststreptococcal glomerulonephritis, man 1881.
  Streptococcus pyogenes, pharynx epithelium cells, antibiotics effects on, in vitro 5051.
  Ureaplasma, strains, proteins, electrophoresis 12568.
  Xanthomonas campestris pv.campestris, isolation, characterization 12346.
Cell number,
  bacteria, relationship, wounds infection, man, reviews 5433.
  diploidy, relationship, mammary gland infection, Staphylococcus aureus, goats 10672.
Cell proliferation,
  Escherichia coli, enterotoxins, effects on, in vitro 12983.
  plaque-forming cells, mice, spleen, Staphylococcus aureus protein A, effects on 8974.
Cell recognition,
  Rhizobium, infection, lectins, legumes 2466.

- **ell shape,**
  - morphology, halophilic bacteria isolation, USA, California, Mexico 12327.
- **ell size,**
  - amino acid starvation effects on Escherichia coli 12428
- **ell surface,**
  - Acetivibrio cellulolyticus, ultrastructure 8389
  - adherence, streptococcus mutans, glucan biosynthesis 9592
  - antibodies, mobility, viruses, induction, cell fusion, Acholeplasma laidlawii 12285.
  - antigens, Bacteroides fragilis subsp.vulgatus, characterization 6044.
  - antigens, development, Streptococcus group B infection, rabbits 11550.
  - antigens, mice cerebellum, expression, localization 8932
  - bacteria, host-pathogen interactions, role, infection, immune response, reviews 8964.
  - Escherichia coli, phage λ receptors, proteins, characterization 1636.
  - Escherichia coli, radiation, effects on 95
  - Escherichia coli, relationship, growth, mathematical models 3843.
  - glycoproteins, immunoglobulin G, antigen-antibody interactions, rabbits cold agglutinins Streptococcus group C 6113
  - localization, Myxococcus xanthus hemagglutinins, association, developmental stages 5194.
  - Mycoplasma adherence mechanisms, models 9600
  - Mycoplasma, complement lysis, immune response 10240.
  - Mycoplasma pulmonis glycoproteins, binding mammalian cells receptors, role virulence 10169
  - Neisseria gonorrhoeae, lipopolysaccharides, interaction, Pyocin 103, Pseudomonas aeruginosa, lectins, agglutinins, plants 2831.
  - pathogens, mutants, virulence, Pseudomonas aeruginosa, Galleria mellonella 6390.
  - peptidoglycans, Mycobacterium phlei, Mycobacterium smegmatis, Mycobacterium microti, characterization, Mycobacterium bovis 2828
  - polysaccharides, Rhizobium, Leguminosae, symbiosis, nodulation, reviews 13490.
  - polysaccharides, Salmonella anatum, adsorption phage ε15 6725.
  - Propionibacterium acnes, chemical modification, effects on splenomegaly, mice 9331.
  - protein M secondary structure, comparison tropomyosin, Streptococcus 1470.
  - proteins, Haemophilus influenzae, identification, antibodies, radioactive labelling+immunoprecipitation 525
  - proteins, Streptococcus sanguis, role, adherence, saliva, coatings, surfaces 2617.
  - Pseudomonas DNA-binding protein, association flocculation 12565.
  - Salmonella anatum, adsorption phage ϵ^{15}, pH effects on 7681
  - Salmonella typhimurium, physicochemical properties, Immunoglobulin A, dinitrophenol, binding, effects on 1330.
  - Staphylococcus aureus, leukocytes (eosinophilic) peroxidase, effects on phagocytosis, rabbits 5209
  - Streptococcus, protein M, conformational analysis 4844
  - Xanthomonas malvacearum, slimes, role, Gossypium hirsutum blight 9409.

  - Caulobacter crescentus, structure localization, differentiation, role, cell division 8439.
- **Cell volume,**
  - diploidy, relationship, mammary gland infection, Staphylococcus aureus, goats 10672.
  - Escherichia coli, relationship, growth, mathematical models 3843.
- **Cell wall,**
  - chemical composition, gram-positive bacteria, clinical isolates, leprosy, man 8387.
  - structure, proteins, growth, Bacillus sphaericus 8383.

  - Arachis hypogaea, biodegradation, Bacteroides enzymes 7430.
  - autolysis, sucrose induction, production, protoplasts like cells, characterization, Clostridium saccharoperbutylacetonicum 138.
  - Bacillus brevis, morphology, proteins secretion, factors affecting 1370.
  - Bacillus, mannosamine, distribution 5803.
  - Bacillus subtilis, assembly, cell division, ultrastructure, mathematical models 1362.
  - Bacillus subtilis, biosynthesis, relationship, DNA biosynthesis, initiation, synchronous culture 2594.
  - Bacillus subtilis, Staphylococcus aureus, mitogenicity, lymphocytes 6922.
  - Bacillus subtilis, temperature-sensitive mutant, morphogenesis, cocci formation 1338.
  - Bacillus subtilis, temperature-sensitive mutant, morphology, spore outgrowth, electron microscopy 2593.
  - Bacillus subtilis var.niger, continuous culture, chemical composition, pyrolysis products 4075.
  - bacteria, antigens, detection, radioimmunoassay, arthritis, rats 10138.
  - bacteria, effects on ileum contractility, guinea-pigs 4950.
  - bacteria, mass spectroscopy, levels, acetamide, propionamide 9589.
  - binding, chloropentaammineosmium(III) chloride, Bacillus subtilis, electron microscopy 9580.
  - biosynthesis, penicillin effects on, bacteria 5919.
  - Brucella canis, antigens, role, colonial characteristics 86.
  - carbohydrates antigens, Streptococcus mutans, lymphocytes B polyclonal activators, immune response, mice 6114.
  - components, bacteria, effects on, hematopoietic cells precursors, mice 12736.
  - Corynebacterium parvum, vaccines, biological activity 11634.
  - crown gall tumors, antigens sites 3661.
  - envelopes, proteins characterization, Bacillus brevis 12567.
  - Eragrostis tef, biodegradation, rumen microorganisms 5680.
  - Erwinia amylovora, receptors, Malus agglutinins, characterization 4944.
  - Escherichia coli, biosynthesis inhibition, lipopeptin A 4957.
  - extracts, antigenic characteristics, Brucella canis 4264.
  - Fusobacterium nucleatum, hemagglutinins, isolation, characterization 12558.
  - growth, chromosomes, replication, coupling, gram-positive bacteria 1345.
  - Klebsiella pneumoniae mutants, elongation, relationship, DNA replication, mecillinam effects on 4172.
  - Lactobacillus buchneri, subunits, proteins, arrangement, characterization 1364.
  - Leguminosae, biodegradation, Rhizobium 5519.
  - lipoteichoic acid binding, protein M, Streptococcus pyogenes 6672.
  - Micrococcus luteus, teichuronic acids, characterization, use, N.M.R. 1558.
  - Mycobacterium avium, structure, association, drug resistance 4221.
  - Nocardia asteroides, deficiency, association, growth, characterization 3830.
  - Nocardia asteroides, L form, chemical composition, morphology, growth stage 2616.
  - peptidase localization, Streptococcus cremoris 5786.
  - peptidoglycans, analysis, I.R. spectroscopy, bacteria 10960.
  - peptidoglycans, bacteria, carbohydrate analysis 12706.
- **Cell walls, (continued)**
  - peptidoglycans, bacteria, N-acetyl glucosamine, chemical analysis 12705.
  - peptidoglycans, cross-linking, amino acid analysis, bacteria 7403.
  - peptidoglycans, precursors, 2-acetamido-2-deoxy-D-glucose, Streptococcus mutans, characterization 6666
  - pili, Neisseria gonorrhoeae, antigenic characteristics 3185.
  - plants, biodegradability, role rumen microorganisms 6324.
  - plants, biodegradability, rumen microorganisms, feeding trials 5645.
  - plasma membranes, freeze-thawing, peptidoglycans biosynthesis, Aerococcus viridans 6675.
  - Populus, ultrastructure, chemical analysis, lignin, biodegradation, cellulose, Pseudomonas 1385.
  - Propionibacterium acnes, biosynthesis, relationship, reticuloendothelial system stimulation 3818.
  - proteinase, characterization, Streptococcus cremoris 5787.
  - proteins, antigens, Streptococcus salivarius, purification, function, adherence, characterization 10167.
  - proteins, permeability, Bacillus subtilis, Streptococcus pneumoniae, deficient mutant, autolysis, effects on 1377.
  - psychrophilic bacteria, bioluminescence, morphology 12326.
  - Rhizobium japonicum, lectins receptors sites, localication 7416.
  - role, lignin, forage, rumen microorganisms digestion, scanning electron microscopy 6327.
  - spore germination, Myxococcus xanthus, β-lactam antibiotics, antibacterial activity 2587.
  - Staphylococcus, I.R. radiation spectroscopy 12296.
  - Staphylococcus aureus, Staphylococcus epidermidis, proteins, binding, fibronectin 1331.
  - Staphylococcus, Peptidoglycans, spatial distribution 8631.
  - Streptococcus agalactiae, polysaccharides, antigens, immunoelectron microscopy 4256.
  - Streptococcus, effects on complement, rats 4312.
  - Streptococcus group B, polysaccharides antigens, purification, characterization 4258.
  - Streptococcus group B, structure 5601.
  - Streptococcus pneumoniae, activation, binding, complement C1q 5224.
  - Streptococcus pneumoniae, characterization 6501.
  - Streptococcus pneumoniae, chemical composition 6514.
  - Streptococcus pneumoniae, effects on leukocytes (granulocytic), rabbits 1895.
  - Streptococcus pneumoniae, teichoic acids polymers, activation, complement C3b, alternative pathway 3186.
  - Streptomyces, antibiotics biosynthesis, detection methodology, antibacterial activity 9980.
  - Streptoverticillium cinnamoneum, Staphylococcus aureus, infection, mice, 13390.
  - structure, Clostridium polysaccharolyticum comb.nov., relationship, taxonomy 1349.
  - subunits identification, segregation analysis, Bacillus subtilis 5635.
  - teichoic acids characterization, Lactobacillus plantarum, Streptococcus mutans, chemostats culture 11230.
  - teichoic acids, characterization, lipids precursors, isolation, Bacillus subtilis 1569.
  - ultrastructure, Thiobacillus ferrooxidans 12339
- **Cell-free system,**
  - Acinetobacter calcoaceticus, emulsifiers biosynthesis, characterization 8646.
  - Bacillus subtilis, Escherichia coli, translation mRNA, phage Φ29 5708.
  - Clostridium thermoaceticum extracts, hydrogenase activity 5774.
  - Escherichia coli, Pseudomonas aeruginosa, replication R factor RSF1010 DNA 9905.
  - Escherichia coli, recognition replication origin, single-stranded closed-circular DNA, yeasts 7494.
  - fructokinase, biosynthesis, Streptomyces violaceoruber, mRNA 5768.
  - media (isolation), isolation, Spiroplasma, infection, Haemaphysalis leporispalustris 6384.
  - mice, assays, ethanol, acetone, effects on, mutagenesis, N-nitrosodimethylamine 1603.
  - oxidation, ammonia, Nitrosomonas europaea 5670
  - plasmids DNA replication, Staphylococcus aureus 5869.
  - protein biosynthesis, polyamines deficient mutant, Escherichia coli 6577.
  - supernatants, Escherichia coli enterotoxins, assays, association diethyl ether 7878.
  - transcription, biotin operon, gene regulation, Escherichia coli 11069.
  - translation, poly(A), poly(U), comparison eukaryotes, Escherichia coli 8495.
  - translation, rabbits reticulocytes, comparison tRNA Lys isoacceptors activity, Bacillus subtilis 7509.
  - translation, ribitol dehydrogenase mRNA, Klebsiella aerogenes 11076.
- **Cellulase,**
  - activity, rumen microoganisms, phelonic acid effects on 11017.
  - bacteria, assays, β-D-glucans staining 8606.
  - biosynthesis, Thermomonospora 12600
  - Cellulomonas flavigena, biosynthesis, activity 3853.
  - purification, characterization, Clostridium thermocellum 204.
  - purification, characterization, Ruminococcus albus 9777.
  - role, stability, Bacteroides succinogenes 7587.
  - rumen microorganisms, bacteria, biosynthesis, enzymatic activity 1504.
  - Trichoderma reesei, bagasse hydrolysis, methodology 7463.
- **Cellulitis,**
  - association, gas gangrene, bacteria, morbidity, mortality, treatment, prophylaxis, man 10600.
  - association, Yersinia enterocolitica septicemia, man, case reports 2181.
  - bacteria, etiology, man 11674.
  - burn patients, penicillin antibiotic prophylaxis treatment effects on 6152.
  - children, clinical aspects, treatment, Haemophilus influenzae type b 679.
  - Haemophilus influenzae, treatment, ampicillin, chloramphenicol, man, case reports 689.
  - Haemophilus influenzae, treatment, man 13127.
  - Staphylococcus, acetaminophen treatment, man 10588.
  - wound infection Pasteurella multocida, animals bites, man 6302.
- **Cellulolytic bacteria,**
  - Cellulomonas, Pseudomonas, activated sludge isolates, enumeration 3792.
  - enumeration, media (culture), reservoirs 10861.
  - enumeration, sediments, marine environment, British Isles 2498.
- **Cellulolytic enzymes,**
  - Acetivibrio cellulolyticus, enzymatic activity 1492.
- **Cellulolytic microorganisms,**
  - activity comparison, Cellulomonas 8620.
  - herbicides, effects on, soils 8171.
  - synergism, Rhizobium leguminosarum, growth, soil 12141.

Cellulomonas,
cellulolytic bacteria, activated sludge isolates, enumeration 3792.
cellulolytic microorganisms, endo-1,3-β-D-xylanase, exo-1,4-β-D-xylosidase, activity comparison 8620.
cellulose, biodegradation 4749.
cellulose biodegradation, single-cell protein production, chemical modification, bagasse 3852.
taxonomic revision, relationship Oerskovia 12268.
Cellulomonas flavigena,
nutrition, growth, cellulase, biosynthesis, activity 3853.
Cellulomonas uda,
1,4-β-glucanase, β-glucosidase, biosynthesis, localization, regulation 8556.
Cellulose,
biodegradation, bacteria, bagasse isolates 4752.
biodegradation, Cellulomonas 4749.
biodegradation, ethanol production, technology, reviews 8409.
biodegradation, fungi, rumen microorganisms, sheep, methanogenic bacteria, effects on 3679.
biodegradation, lignin, Pseudomonas, cell walls, chemical analysis, ultrastructure, Populus 1385.
biodegradation, nutrient dynamics, phosphate effects on, soil 2434.
biodegradation, rumen microorganisms, amines effects on 1050.
biodegradation, rumen microorganisms, methanogenesis 12037.
biodegradation, Ruminococcus albus, phenylpropanoic acid stimulation 7461.
biodegradation, single-cell protein production, Cellulomonas, chemical modification, bagasse 3852.
biodegradation, Streptomyces badius, nutrient sources effects on 103.
content, Acetobacter aceti subsp.xylinum pellicle 10956.
conversion, ethanol, mesophilic bacteria, mixed culture, anaerobic microorganisms 7462.
decomposition, carbon dioxide, evolution, soil microorganisms, relationship 3722.
digestion, association, antibiotics effects on Mysis stenolepsis microflora 12036.
digestion, gut microflora, bacteria, Orthoporus ornatus, Comanchelus 10733.
fermentation, Clostridium thermocellum, ethanol production, continuous culture 2839.
fermentation, ethanol biosynthesis, thermophilic bacteria 125.
fermentation, methanogenesis, mixed culture, Methanosarcina barkeri, Methanobrevibacter, fungi 8429.
levels, feeds, effects on intestinal microflora, bacteria, helminths, mice 1048.
mineralization, soil microorganisms, thidiazuron effects on, crops 2456.
mutants, Acetobacter xylinum, characterization 12789.
purification, characterization, Clostridium thermocellum 2747.
Streptomyces afghaniensis, characterization 210.
use, production, methane, carbon dioxide, Acetivibrio cellulyticus± Methanosarcina barkeri± Desulfovibrio 3859.
Central nervous system,
Bacteriodes corrodens infection, man, case reports 13216.
Citrobacter diversus, infection, symptoms, neonates, man, case reports 3406.
incidence, Mycoplasma, laboratory animals 3569.
infection, Listeria monocytogenes, diagnosis, clinical aspects, man 8014.
man, empyema, Pasteurella multocida infection 8023.
shunts infection, diagnosis, man, case reports, Propionibacterium acnes 883.
Central nervous system diseases,
bacteria infection, cerebrospinal fluid cells, morphology, function, man 9179.
Listeria monocytogenes infection, septicemia, man, case reports 6235.
Centrifugation,
density gradients, isolation, Rickettsia-like organisms, phony disease, plant extracts, Prunus persica 5503.
density gradients, purification, Rickettsia tsutsugamushi 7373.
density gradients, Rickettsia prowazekii, isolates, infectivity, purification 2607.
effects on, Escherichia coli, Yersinia enterocolitica, infectivity cells 6881.
Escherichia coli nucleoids, effects on sedimentation 6525.
isolation, Brucella abortus, abattoirs samples 6.
nucleoids, Caulobacter crescentus, sedimentation 9579.
soil microorganisms, suspended matter, isolation, density gradients 8172.
synchronous culture, Bacillus subtilis, respiration, variation, cell cycle 2680.
Centrosema pubescens,
Rhizobium, acid, alkaline, reactions, biochemical analysis 2579.
Centrosema virginianum,
nitrogen fixation, Rhizobium 1196.
Cephacetrile,
prophylaxis, bacteria, postoperative infection, heart surgery, man 2252.
Cephalexin,
alafosfalin, antibiotic synergism, antibacterial activity 1732.
antibacterial activity, Staphylococcus aureus, Escherichia coli, Proteus, in vitro, in vivo 7777.
antibiotic sensitivity testing, Mycobacterium, clinical isolates 8756.
bronchitis, treatment, cefaclor, clinical trials, man 1994.
+cephalothin, treatment, peritonitis, children 5404.
comparison, antibacterial activity, sodium hydrogen 3-(N-hydroxyformamido)propylphosphonate, in vitro, in vivo 1765.
comparison, cefaclor, antibacterial activity, Haemophilus influenzae 6790.
+flucloxacillin, antibacterial activity, treatment, infection, man 6793.
treatment, bacteria pneumonia, dogs 8093.
treatment, bacteria, respiratory tract infection, otitis media, man 4382.
treatment, bacteria, urinary tract infection, respiratory tract infection, man 4420.
treatment, otitis media, administration routes effects on man 756.
Cephaloridine,
antibacterial activity, Staphylococcus aureus, Escherichia coli, Proteus, in vitro, in vivo 7777.
antibiotic resistance, Staphylococcus aureus, burn patients 8793.
comparison, mecillinam, treatment, pyelonephritis, Escherichia coli, man 10514.
Neisseria gonorrhoeae, antibiotic sensitivity testing, Nigeria 1731.
Salmonella typhimurium, antibiotic resistance, role lipopolysaccharides, membrane permeability 10005.
treatment, bacteria pneumonia, dogs 8093.
Cephalosporanic acid amidase,
isolation, activity, Pseudomonas putida, Pseudomonas mutants 5746.
Cephalosporin,
penetration, gram-negative bacteria cell membranes, role, antibacterial activity 6496.
Cephalosporin antibiotics,
antibacterial activity, comparison ceftazidime, gentamicin, clinical isolates, gram-negative bacteria, gram-positive bacteria 5910.
Cephalosporinase,
Serratia marcescens, purification, chracterization 5756.

binding, role, antibiotic resistance, cefotaxime, ceftriaxone, Enterobacter cloacae, Pseudomonas aeruginosa 8800.
Cephalosporins,
+aminoglycoside antibiotics, septicemia, treatment, antibiotic resistance, neonates, man 7131.
analogs, antibacterial activity, structure-activity relationships 3020.
analogs, structure-activity relationships 2956.
analogs, structure-activity relationships, antibacterial activity 3019.
antibacterial activity 1727.
antibacterial activity 7776.
antibacterial activity, anaerobic bacteria 3014.
antibacterial activity, antibiotic resistance, Streptococcus group A 1747.
antibacterial activity, Bacteroides 8778.
antibacterial activity, Bacteroides fragilis 6789.
antibacterial activity, ceftazidime, comparison β-lactam antibiotics, aminoglycoside antibiotics, clinical isolates, gram-negative bacteria 5071.
antibacterial activity, clinical isolates 12900.
antibacterial activity, comparison, ceftazidime, antibiotic resistance, clinical isolates, Enterobacteriaceae 5075.
antibacterial activity, comparison ceftazidime, clinical isolates, gram-negative bacteria, gram-positive bacteria 5069.
antibacterial activity, comparison cephalosporins, clinical isolates, anaerobic bacteria 5078.
antibacterial activity, comparison, N-formimidoyl thienamycin, ureidopenicillins, Serratia marcescens 5928.
antibacterial activity, Enterobacteriaceae 5911.
antibacterial activity, Enterobacteriaceae, clinical isolates 9952.
antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa, antibiotic resistance role penicillinase biosynthesis 5124.
antibacterial activity, Enterobacteriaceae, Staphylococcus aureus, Bacteroides fragilis, Haemophilus influenzae, Neisseria gonorrhoeae 6810.
antibacterial activity, Enterobacteriaceae, Streptococcus, Haemophilus, Neisseria, Proteus morganii, Proteus vulgaris, Staphylococcus aureus, Pseudomonas aeruginosa, Bacillus cereus, Acinetobacter 6809.
antibacterial activity, Escherichia coli, Klebsiella pneumoniae, Proteus inconstans, Pseudomonas aeruginosa, Serratia marcescens, Enterobacter cloacae, Citrobacter freundii, Acinetobacter calcoaceticus 6800.
antibacterial activity, Escherichia coli, Salmonella typhimurium, penicillin-binding protein effects on 4181.
antibacterial activity, gram-negative bacteria 9933.
antibacterial activity, gram-negative bacteria 12901.
antibacterial activity, inactivation penicillinase, antibiotic resistance, Pseudomonas aeruginosa 5123.
antibacterial activity, Neisseria gonorrhoeae, 5050.
antibacterial activity, Nocardia asteroides 8776.
antibacterial activity, penicillinase stability, Enterobacteriaceae 11410.
antibacterial activity, Proteeae susceptibility, species diversity 9987.
antibacterial activity, Pseudomonas aeruginosa 5064.
antibacterial activity, Pseudomonas aeruginosa, Enterobacteriaceae, cefazolin antibiotic resistance 5082.
antibacterial activity, Pseudomonas aeruginosa, Staphylococcus aureus, use antibiotics treatment cystic fibrosis, man 5087.
antibacterial activity, reviews 5059.
antibacterial activity, Streptococcus pneumoniae 9971.
antibiotic antagonism, penicillins, antibacterial activity, Enterobacteriaceae, Pseudomonadaceae 6824.
antibiotic E-0702, antibacterial activity 9944.
antibiotic HR 756, antibacterial activity 1729.
antibiotic HR756, antibacterial activity, penicillinase inhibition, binding penicillin-binding protein 9967.
antibiotic resistance, gram-negative bacteria 5112.
antibiotic Ro 13-9904, antibiotic GR 20263, antibacterial activity 364.
antibiotic sensitivity testing, Mycobacterium fortuitum 6787.
antibiotic T-1551, antibacterial activity 9964.
binding penicillin-binding protein, antibiotic resistance, Staphylococcus aureus 7820.
characterization, medical importance 8771.
chemical modification, synthesis, antibacterial activity 9948.
Clostridium, antibiotic resistance 11439.
comparison, cefaclor, antibacterial activity, Haemophilus influenzae 6790.
comparison moxalactam, antibacterial activity, penicillinase stability 7782.
derivatives, synthesis, antibacterial activity 11397.
derivatives, synthesis, antibacterial activity, structure-activity relationships 11399.
effects on Escherichia coli growth 1714.
Enterobacteriaceae, antibacterial activity 5914.
Enterobacteriaceae, antibiotic resistance, R factors, membrane permeability 6750.
in vitro antibacterial activity, cefotaxime comparison, infection, man 7794.
inactivation, penicillinase, role antibiotic resistance 5121.
inhibition, Escherichia coli, Bacillus megaterium, peptidoglycan transpeptidase 322.
inhibition penicillinase, antibiotic resistance, Enterobacter aerogenes, Enterobacter cloacae, Serratia marcescens 8814.
7α-methoxy-7β-vinylenethioacetamido cephalosporins, synthesis, structure-activity relationships, antibacterial activity, gram-negative bacteria 9953.
modification, Streptomyces capillispira sp.nov., carboxylesterase, purification, characterization 7561.
potentiation, urinary tract bacteria, association, alafosfalin 8774.
structure, N.M.R. 7716.
structure, N.M.R. 7717.
synthesis, antibacterial activity 9949.
technology, antibacterial activity 12886.
± tobramycin, treatment, Providencia stuartii experimental infection, mice 8054.
treatment, bacteria infection, man, antibacterial activity 11404.
treatment, bacteria pneumonia, dogs 8093.
treatment, Escherichia coli, Proteus mirabilis, Klebsiella, infection, man 4502.
treatment, gram-negative bacilli, meningitis, man 905.
treatment, gram-negative bacteria, meningitis, man 3419.

ephalosporins, (continued)
  treatment, otitis media, man 10337
  treatment, pneumonia, bacteria, dogs 2375.
ephalothin,
  antibacterial activity, Bacteroides fragilis 3010.
  antibacterial activity, Escherichia coli, Klebsiella, Staphylococcus aureus, Streptococcus group D 353.
  antibacterial activity, Legionella micdadei, in vitro 9932
  antibiotic resistance, Enterobacteriaceae 5958.
  antibiotic sensitivity testing, Neisseria meningitidis 325.
  antibiotic sensitivity testing, Salmonella, isolates 8759.
  +cephalexin, treatment, peritonitis, children 5404.
  comparison, ceforanide, prophylaxis, infection association vagina hysterectomy, man 11987.
  comparison, ceftazidime, antibacterial activity, Pseudomonas, Enterobacteriaceae, in vitro 358
  +metronidazole, prophylaxis, postoperative infection, association, surgery, colon, rectum, man 3488.
  resistance, Enterobacteriaceae, antibacterial activity, cefotaxime 8772.
  +thiamphenicol, antibacterial activity, antibiotic synergism, Bacteroides fragilis 3023.

  prophylaxis, bacteria, postoperative infection, heart surgery, man 2252.
Cephalotine,
  treatment, bacteria pneumonia, dogs 8093.
Cephamycins,
  antibiotic YM09330, antibacterial activity, gram-negative bacteria 9966.
  biosynthesis, screening, recombination mutants, Nocardia lactamdurans, Streptomyces griseus 8769.
  inhibitors, penicillinase, Streptomyces cacaoi, Bacillus cereus, enzyme kinetics 2795.
Cephazdin,
  ± metronidazole, prophylaxis, bacteria, postoperative infection, man 2287.
Cephazolin,
  antibacterial activity, comparison cefmetazole, Escherichia coli experimental infection, rats 5923.
  comparison, gentamicin, prophylaxis, infection, association, urinary tract endoscopy, man 10386.
Cephoperazone,
  antibacterial activity, Enterobacteriaceae, treatment, infection, man 9234.
Cephoxitin,
  +josamycin, antibacterial activity, anaerobic bacteria infection treatment, man 10485
Cephradin,
  prophylaxis, bacteria, postoperative infection, heart surgery, man 2252.
Cephradine,
  comparison, cefaclor, antibacterial activity, Haemophilus influenzae 6790.
  treatment, bacteriuria prophylaxis, association, surgery, man 10579.
Ceptazidime,
  antibacterial activity, clinical isolates 12900.
Ceratocystis paradoxa,
  Psidium guajava soft rot, characterization 10745
Cercopithecus aethiops,
  intestinal microflora, maintenance, role, pancreas 1046.
Cercopithecus aethipos,
  genitourinary tract experimental infection, Ureaplasma urealyticum 3611.
Cercopithecus pygerythrus,
  dogs, disease transmission, ehrlichiosis 4583.
Cereals,
  effects on dental caries, man 7966
  rhizosphere, gnotobiotics, bacteria, growth, interaction 3684.
Cerebellum,
  activity patterns, experimental infection, Clostridium tetani, toxins, rabbits 485
  mice, cell surface antigens, Clostridium tetani toxins receptors, expression, localization 8932
  pathology, association, Legionnaire's disease, case reports, man 10342.
Cerebral infarction,
  association, meningitis, children 893.
Cerebrospinal fluid,
  adenosine deaminase, man, meningitis, Mycobacterium tuberculosis, immunity (cell-mediated) 4318.
  amino acids levels, meningitis, children 9175.
  amino acids levels, Mycobacterium tuberculosis meningitis, man 5337.
  bacteria, detection, Gram stain, acridine orange staining, man 2112.
  ceftriaxone levels, bactericidal activity, association, meningitis, man 11845.
  cells, morphology, function, bacteria infection, central nervous system diseases, man 9179.
  children, meningitis, treatment, moxalactam distribution 10427.
  creatine kinase levels, Streptococcus pneumoniae meningitis, man 2120.
  lactate content, association, meningitis diagnosis, man 11836.
  lactate dehydrogenase, activity, meningitis, Mycobacterium tuberculosis, children 8016
  lactate dehydrogenase, lactates, glucose, levels, diagnosis, meningitis, man 2113.
  latex agglutination, diagnosis, meningitis, Neisseria meningitidis, Streptococcus pneumoniae, Haemophilus influenzae, man 11838.
  levels, ampicillin, treatment, meningitis, relationship, administration routes, man 899.
  levels, piperacillin, treatment, pneumonia, meningitis, man 765.
  levels, relationship, Haemophilus influenzae meningitis, complications, man 11850
  man, meningitis, diagnosis, amino acids levels 8021.
  man, meningitis diagnosis, lactates levels 8019.
  man, meningitis, lymphocytes T subpopulations enumeration 7936.
  man, shunts infection, Staphylococcus, antibiotics treatment 10433.
  meningitis, bacteria, lactic acid, role, diagnosis, man, case reports 2129.
  ratio, glucose, serum, diabetes mellitus, meningitis, man 2126.
  shunts, association, infection, methicillin prophylaxis, children 9315.
  shunts infection, bacteria, antibiotics treatment, man 11978.
  shunts, infection, Staphylococcus aureus, reviews, man 9169.
  shunts, treatment, hydrocephalus, postoperative infection, bacteria, children 2261.
Cerenkov radiation,
  induction DNA damage, Escherichia coli 4795.
Cervical microflora,
  anaerobic bacteria, children 9070.
  man, contraceptives (oral), intrauterine devices, effects on 6937.
  Ureaplasma urealyticum, Mycoplasma hominis, relationship, fetuses, growth, man 3386.
Cervinomycin A,
  biosynthesis, Streptomyces cervinus sp.nov., antibacterial activity 11346.
Cervix,
  abscesses, Mycobacterium intracellulare, Mycobacterium scrofulaceum, man, case reports 11792.
  Actinomyces israelii, isolation, incidence, pathology, association, intrauterine devices, man 7054.
  carcinoma, immunotherapy, Corynebacterium parvum, man 4284.
  Chlamydia trachomatis, endometritis, etiology, man, case reports 2092.
  Chlamydia trachomatis, infection, pregnancy, association, conjunctivitis, nasal infection, neonates, man, incidence 2190.
  Chlamydia trachomatis, Neisseria gonorrhoeae, infection treatment, adolescence, 933.
  compression, role, Brucella, man, case reports 8036.
  infection, Actinomyoes israelii, association, intrauterine devices, man, case reports 2058.
  infection, man, isolation, cervix, anus 8007.
  man, infection, Chlamydia trachomatis, ultrastructure studies 8009.
  man, infection, isolation, Ureaplasma urealyticum, Mycoplasma hominis 8007.
  man, microflora, association pregnancy 13071.
  microflora, anaerobic bacteria, association, menopause, man 3269.
  microflora, association, ovulation detection, cattle 10642.
  neoplasia, association, Chlamydia trachomatis, man 11818.
  opportunistic infection, actinomycetes, Protozoa, intrauterine devices, detection, Gram stain, man 3385.
  pathology, genital tract infection, Chlamydia trachomatis, man 2143.
  secretions, gonorrhea, detection, Limulus lysate test, man 2163.
  secretions, immunoglobulin A, infection, Chlamydia trachomatis, man 3392.
  treatment, cefotiam, tonsillitis 3344.
Cervus elaphus,
  feces, Mycobacterium isolation, characterization 10710.
  serum, incidence, Brucella, antibodies, Germany, Fed. Rep. 3637.
Cervus elaphus nannodes,
  paratuberculosis, diagnosis, pathology, incidence, USA, California 8105.
Cesarean section,
  association, infection, prophylaxis, antibiotics, man, reviews 4484.
  infection association, treatment, prophylaxis, use, lincomycin, man 10447.
  postoperative infection, cefoxitin antibiotic prophylaxis, man 6314.
Cetriaxone,
  comparison, moxalactam, ampicillin, Salmonella typhimurium, experimental infection, mice 11896.
Cetrimide,
  Corynebacterium glutamicum, effects on L-lysine biosynthesis 9703.
Chaetoceros,
  exudates, primary production metabolites, utilization, bacteria 10813.
Chaetomium globosum,
  biodegradation, bis(tributyltin)oxide 2636.
Chalcophaps indica,
  imported diseases, outbreaks, Salmonella typhimurium, ser. copenhagen, infection, Japan 3633.
Chambers,
  chemotaxis, use, bacteria adherence, colonization, biomaterials 6535.
  distribution, airborne microorganisms, ionization, effects on 2500.
Chancroid,
  Haemophilus ducreyi isolation, man, New Zealand 10442.
  Haemophilus ducreyi, thiamphenicol treatment, man, case surveys 9190.
  Haemophilus ducreyi, treatment, man 11857.
  sexually-transmitted diseases, man, Zimbabwe, incidence 2170.
  treatment, cotrimoxazole, man 5349.
  treatment, doxycycline, co-trimoxazole, Haemophilus ducreyi 932.
Charcoal,
  adsorption, Escherichia coli, Staphylococcus aureus, radioactive labelling methodology 8280.
Charcoal rot,
  Glycine max, disease resistance, relationship, Rhizobium japonicum interaction Macrophomina phaseolina 4636.
Charybdis cruciata,
  microflora, gut, bacteria 6385.
Check lists,
  Leptospira interrogans isolates, Caribbean Is. 10708.
  world isolates, Frankia 10820.
Cheese,
  Clostridium botulinum type A, Clostridium botulinum type B, growth, toxins biosynthesis 5154.
  coliforms, enumeration, media (culture), methodology 1280.
  isolates, identification, Staphylococcus 7391.
  Lactobacillus, identification, isolation 9549.
  production, lactic acid bacteria, proteinase, plasmids, genetic engineering, reviews 4112.
  production, starter cultures, Streptococcus cremoris, selection, phages infection resistance 4977.
  Staphylococcus thermonuclease, detection, assays, methodology 1505.
Cheese production,
  Streptococcus lactis, phages, interaction, temperature effects 2891.
Chelating agents,
  effects on adenosinetriphosphatase activity, Micrococcus luteus 4060.
  effects on Bifidobacterium bifidus var. pennsylvanicus growth 9650.
  metals, Streptomyces mycelia, Mucor rouxii 7623
  Neisseria gonorrhoeae, agglutination tests 1311.
  pigments, Pseudomonas fluorescens, fungistasis, Geotrichum candidum 11036.
  Salmonella typhimurium, levels, flooded soils effects on 5522.
Chemical analysis,
  N-acetyl glucosamine, cell walls peptidoglycans, bacteria 12705.
  antigens, Treponema denticola, antigenic characteristics, physical properties 10147.
  Capnocytophaga, taxonomy, relationship, Bacteroides 10880.
  cell walls, Populus, lignin biodegradation, Pseudomonas 1385.
  Corynebacterium beticola, morphology, physiology, taxonomy 9545.
  Corynebacterium pyogenes, Corynebacterium haemolyticum, peptidoglycans, menaquinones, use, classification 9544.
  envelopes proteins, structure, Micrococcus radiodurans 11108.

Chemical analysis, (continued)
ground water, use, carbon isotopes fractionation, methane oxidation, Methylomonas methanooxidans 7428.
mycolic acids, Corynebacterium, gas chromatography, mass spectroscopy 11222.
Chemical composition,
Bacillus subtilis var.niger, cell walls, pyrolysis products, continuous culture 4075.
Bdellovibrio cysts 1360.
blood, chickens, juveniles, Escherichia coli, endotoxins, inoculation, effects on 4242.
cell wall, gram-positive bacteria, clinical isolates, leprosy, man 8387.
Escherichia coli antigen O 13015.
β-hydroxybutyrate spore crystals, Bacillus thuringiensis 4955.
lipopolysaccharides, isolation 9795.
media (culture), effects on, gibberellin like substances, biosynthesis, isolation, Pinus silvestris, coryneforms 9814.
Nocardia asteroides, L form, cell walls, morphology, growth stage 2616.
polysaccharides, Rhizobium 9797.
polysaccharides, Rhizobium meliloti, Rhizobium trifolii 5804.
Streptococcus pneumoniae, cell walls 6514.
Streptomyces antibioticus, sporulation septum 1403.
toromycin 290
Vibrio cholerae mutants lipopolysaccharides 10075.
Chemical control,
denitrification, soil microorganisms, nitrapyrin 3691.
Chemical modification,
active sites characterization, adenosinetriphosphatase, Escherichia coli 7616.
alveolysin sulfhydryl groups, effects on interaction cholesterol, Bacillus alvei 11477.
asparaginase, Escherichia coli 7549.
bile acids, gram-postive bacteria 9660.
N-bromosuccinimide, tryptophan residues, histidine decarboxylase, Micrococcus 12631.
cephalosporins, synthesis, antibacterial activity 9948.
chenodeoxycholic acid, Clostridia, ursodeoxycholis acid 9661.
elongation factor G tryptophan residues, effects on binding ribosomes, Escherichia coli 12530.
Escherichia coli ribosomal protein L7/L12, association succinic anhydride 11110.
feeds, digestibility, rumen microflora, domestic animals 9321.
fluorescamine, bacteriorhodopsin, purple membranes, C.D., Halobacterium halobium 6560.
hemoglobin, rats, effects on sepsis tolerance 11876.
kethoxal, GTP, phenylalanyl-tRNA elongation factor Tu complex, kinetics, structure analysis, Escherichia coli 11067.
linkage regions, bacteriorhodopsin, purple membranes, Halobacterium halobium 5695.
matrix porin, outer membranes, Escherichia coli 5734.
penicillinase, tyrosine residues, Bacillus cereus, Escherichia coli 7541.
phenylglyoxal inactivation aspartate carbamoyltransferase, ornithine carbamoyltransferase, role arginine active sites, Escherichia coli 4044.
propanediol dehydratase, pyridoxal 5'-phosphate, Klebsiella pneumoniae 4055.
Propionibacterium acnes cell surface, effects on splenomegaly, mice 9331.
pyridoxal 5'-phosphate, elongation factor G, Escherichia coli 12539.
ribosomal proteins, mRNA binding sites, Escherichia coli 1447.
ribulosebisphosphate carboxylase active sites, diethyl pyrocarbonate, Rhodospirillum rubrum 7571.
rifamycin, synthesis, structure, antibacterial activity 7805.
tRNA Phe, effects on aminoacylation, Escherichia coli 5717.
tetrahydrofolate dehydrogenase, Lactobacillus casei 4887.
tetranitromethane, lactose repressor, effects on DNA binding activity, Escherichia coli 9702.
transformation, Rhodococcus amidophilus, saframycin, antitumor activity 7737.
trinitrobenzenesulfonic acid, glucose-1-phosphate adenylyltransferase, allosteric activators sites, Escherichia coli 7547.
tryptophan, effects on structure, activity, toxins, Vibrio cholerae 5152.
Chemical oxygen demand,
pollutants, lubricants, biodegradation, bacteria 133.
Chemical properties,
evolution, bacteria, Cyanophyta, reviews 12744.
nocardiform bacteria, isolation, composts, taxonomy 12265.
Pseudomonas aeruginosa endotoxins 8869.
streptovirudins, comparison, Streptomyces griseofulvis 6774.
Chemicals,
effects on Escherichia coli enterotoxins effects on mice 481.
treatment, association, freeze-thawing, effects on, incidence, Salmonella typhimurium, meat, chickens 3092.
Chemiluminescence,
ATP, use, antibiotic sensitivity testing, gentamicin, Enterobacteriaceae 12888.
leukocytes (neutrophilic), association, antibacterial activity 6896.
leukocytes (neutrophilic), intracellular killing, Neisseria gonorrhoeae 6909.
macrophages, phagocytosis, Salmonella typhimurium, experimental infection, mice 1905.
Chemoautotrophic bacteria,
growth, nitrogen fixation, identification, characterization 5656.
Chemoautotrophy,
Thiobacillus, heterotrophy, nutrient requirements, chemostat culture 1407.
Chemoreceptors,
carboxylmethylation, association chemotaxis, Salmonella typhimurium, Escherichia coli 5602.
Chemostat culture,
Bacillus subtilis, growth kinetics, adenine metabolism 5669.
Escherichia coli, anthranilate synthase levels, regulation, batch culture, glucose, anthranilate synthase 1529.
Thiobacillus, chemoautotrophy, heterotrophy, nutrient requirements 1407.
Chemostats,
bacteria, growth, kinetics, mathematical models 7476.
culture, Lactobacillus plantarum, Streptococcus mutans, cell walls teichoic acids characterization 11230.
environmental effects, adherence, hydroxyapatite, Streptococcus sanguis 5634.
Escherichia coli, mutants, overproduction, D-serine dehydratase, β-D-galactosidase 1632.
Escherichia coli protein turnover 3837.
Klebsiella aerogenes, citrate, metabolism, citrate permease, growth rate 2822.
Klebsiella aerogenes culture, calorimetry 4670.
Klebsiella aerogenes, growth, thermodynamics, nutrient deficencies 3862.
microorganisms, population dynamics, predator-prey interactions, mathematical

Chemostats, (continued)
models 10760.
sodium arsenate biodegradation, microorganisms 120.
Streptococcus mutans growth, trace elements, metals, effects on 3849.
Thiobacillus competition heterotrophic bacteria, carbon sources metabolism 11011.
Thiobacillus, mixotrophy, growth rate, glucose, formic acid 2665.
Vibrio succinogenes, asparaginase biosynthesis 8605.
Chemotactic factors,
amino acids effects on proteins methylation, chemotaxis, Bacillus subtilis 8385.
Escherichia coli, chemotaxis, assays, methodology 10942.
Escherichia coli, release, antibiotics stimulation, effects on leukocytes (granulocytic) chemotaxis 13030.
glycoproteins, lipoproteins, Bacillus megaterium, Escherichia coli, hemocytes, Crassostrea virginica 8634.
Chemotactic response,
Crassostrea virginica blood cells, Bacillus megaterium effects on 2403.
Escherichia coli, role, gene che, association flagella locomotor activity 8431.
motility, sugars, Rhizobium leguminosarum 5619.
Chemotaxis,
amino acids effects on proteins methylation, Bacillus subtilis 8385.
association, carboxylmethylation chemoreceptors, Escherichia coli, Salmonella typhimurium 5602.
attractants, Skeletonema costatum, Flavobacterium, Pseudomonas 8161.
Azospirillum lipoferum, Azospirillum brasiliensis, Gramineae roots exudates 9585.
Azospirillum lipoferum, Azospirillum brasiliensis, Gramineae roots exudates, association, amino acid composition 9586.
Bacillus subtilis, role tetrahydropteroyltriglutamate methyltransferase, kinetics, purification, characterization 11176.
bacteria, mathematical models 8356
chambers, use, bacteria adherence, colonization, biomaterials 6535.
complement, role, clearance, lung, Pseudomonas aeruginosa, Staphylococcus aureus, mice 6109.
deficiency, leukocytes (neutrophilic), monocytes, recurrent infection, man 8956.
detection, methodology, bacteria 9588.
dissolved oxygen, effects on, motility, Escherichia coli 4734.
Escherichia coli, chemotactic factors, repellents, assays, methodology 10942.
Escherichia coli, membranes, methyl-accepting chemotaxis protein, isolation 3810.
Escherichia coli, uncouplers, effects on 1350.
galactose-binding protein, maltose-binding protein, relationship dimerization, Escherichia coli 8359.
genes, Salmonella typhimurium cloning, phage λ, plasmid pBR322, overproduction 247.
Halobacterium halobium, membrane proteins methylation, calcium regulation 8370.
leukocytes (granulocytic), antibiotics, stimulation Escherichia coli, chemotactic factors release 13030.
leukocytes, Neisseria gonorrhoeae extracts induction 8878.
leukocytes (neutrophilic), Bacteroides effects on 539.
leukocytes (neutrophilic), children, immunoglobulin A immunodeficiency, +recurrent infection bacteria, effects on 10631.
leukocytes (polymorphonuclear), defects, periodontitis, bacteria, genetic relationship, man 3291.
leukocytes (polymorphonuclear), immunosuppression, Staphylococcus aureus, peptidoglycans, protein A, teichoic acid 6089.
maltose, characterization, Escherichia coli 8373.
monocytes, defects, Mycobacterium tuberculosis, lung tuberculosis, man 11615.
Oxygen, phosphotransferase substrates, Escherichia coli, Salmonella typhimurium, role methylation 5637.
proteins, gene mapping, Escherichia coli 8687.
proteins, methylation, characterization, cheB gene, cheR gene, Escherichia coli 2860.
Pseudomonas putida, mutants, β-ketoadipate, regulation 1353.
rhizoplane microorganisms, bacteria, Zostera marina 1177.
role, leukocytes (granulocytic) adherence, endothelium, infection, bacteria, viruses, effects on, children 563.
role, methylation, Halobacterium halobium 12330.
Salmonella typhimurium, interaction, HeLa cells, glycine 8375.
Spirochaeta aurantia, sugars, role, membrane potential 2615.
Staphylococcus exotoxins, leukocytes (polymorphonuclear), ear 10086.
tricarboxylic acids, relationship, citrate metabolism plasmids, Escherichia coli 1668.
vibrio cholerae, role, interaction, intestine mucosa, in vitro 81.
Vibrio cholerae, role, interaction, intestine mucosa, mice 75.
Vibrio cholerae, role, interaction, intestine mucosa, rabbits 76.
vibrio cholerae, role, interaction, intestine mucosa, rabbits 82.
Chemotherapeutics,
comparison, Norflaxacin, antibacterial activity, oral administration 9982.
Chemotherapy,
antibiotic sensitivity testing, drug sensitivity testing, methodology 11378.
association, Mycoplasma pneumoniae, pneumonia, man, case reports 4405.
cancer patients, immunocompromised hosts, bacteria opportunist infection 11922.
+corticosteroids, treatment, tuberculosis, adolescents, adults, man 2291.
effects on, fecal microflora, oral microflora, leukemia, man 3268.
immunosuppression, lymphocytes T, suppressor cells, Mycobacterium simiae, Mycobacterium bovis, experimental infection, mice 3214.
leprosy, man, reviews 4361.
leprosy, persistent infection, man, reviews 1941.
lung tuberculosis, man 10327.
lymphoma, immunocompromised hosts, association, infection, Staphylococcus aureus, Pseudomonas aeruginosa, man 6307.
multiple myeloma, association, risks, infection, man 9204.
Pseudomonas aeruginosa, respiratory tract infection, association, cystic fibrosis, man 4398.
relationship, antibiotic resistance, Escherichia coli, R factors plasmids, Japan 3070.
tuberculosis, relationship, hypersensitivity (delayed), mice 11584.
tuberculosis, reviews 3324.
Chenodeoxycholic acid,
chemical modification, Clostridia, ursodeoxycholis acid 9661.
chemical modification, gram-postive bacteria 9660.
conversion, intestinal microflora, Eubacterium lentum 6531.
Chernozem,
microflora, Streptomyces flavus, Stachybotrys parvispora, USSR 13471.
Chew tablets,
effects on dental plaque levels, man 6153.
Chewing gum,
effects on dental plaque levels, man 6153.

hi sites,
Escherichia coli, recombination, phage λ 4997.
hickens,
animal isolates, Escherichia coli, R factors, antibiotic resistance, bacitracin, tetracycline, drug resistance, sulfonamides 4200.
animal models, Campylobacter fetus subsp.jejuni, enteritis 821.
antigens treatment, Salmonella 6126
arthritis, Mycoplasma, histopathology 10701.
Borrelia anserina, spirochetosis, pathogenesis, coagulation, role 4543.
botulism, case reports, USA, Delaware 6336.
brain, lipoproteins, effects on pyrogenicity, Escherichia coli lipopolysaccharides 488.
carbohydrate metabolism, Escherichia coli, endotoxins, effects on 4236.
carcasses, food contamination, Salmonella, relationship, processing methodology 10654.
carcasses, incidence, Salmonella, most probable number 10655.
cell culture, Legionella micdadei growth 20.
Clostridium botulinum, toxin C, susceptibility 5165.
concurrent infection, Salmonella typhimurium+Eimeria tenella, pathogenesis 4579.
duodenum, epithelium, adherence, Streptococcus faecium, role, colonization, gnotobiotics 3809
eggs, egg production, intestinal microflora, Lactobacillus acidophilus food additives effects on 2327.
embryos, Mycoplasma effects on 3612.
Enterobacteriaceae isolates, antibiotic resistance, oxytetracycline, chloramphenicol, streptomycin 5110
Escherichia coli antibiotic resistance incidence 5116.
Escherichia coli, incidence, abattoirs 3629
experimental infection, Mycoplasma synoviae, thymectomy, bursectomy, effects on 12052.
experimental infection respiratory tract, Mycoplasma gallisepticum, association lesions 6340.
feces, excretion, Salmonella typhimurium, association, starvation 6348.
fowl typhoid, hypersensitivity (delayed), vaccines, Salmonella gallinarum, Salmonella enteriditis, vaccines 4325.
genital tract, Mycoplasma gallisepticum, experimental infection, pathology 2374.
giblets, Salmonella, media (isolation) 2508
globin genes, cDNA, cloning, plasmid pMB9 4144.
gnotobiotics, energy, proteins, retention, Lactobacillus acidophilus, Lactobacillus salivarius, Lactobacillus fermentum, effects on 2398.
Haemophilus avium pathogenicity, role hemagglutin 9346.
Haemophilus paragallinarum, polysaccharides, detection, latex agglutination assays 6032.
immune response, Salmonella paratyphi, spleen cell culture 10217
in vivo, Salmonella gallinarum antibiotic resistance, furazolidone 5117.
incidence, antibiotic resistance, drug resistance, Escherichia coli, British Isles 3063
infection, Borrelia anserina, Aegyptianella pullorum, disease transmission, role, Argas persicus, Argas africolumbae 6356.
infection, Coxiella burnetii, antibacterial activity, Allium sativum 12963.
infectious bursitis, effects on, Staphylococcus aureus susceptibility 1071.
infectious bursitis virus infection role immunosuppression, spirochetosis 6377.
intestinal microflora, effects on Escherichia coli colonization, gastrointestinal tract 1053.
intestinal microflora, lactic acid bacteria, species composition 13359.
intestinal microflora, rate, glucose uptake 1044
juveniles, bacteria contamination enumeration, eggs, gnotobiotics (specific pathogen free) 6381.
juveniles, chemical composition, blood, body temperature, Escherichia coli, endotoxins, inoculation, effects on 4242.
juveniles, Escherichia coli drug resistance fluctuations, association, antibiotics dietary intake 10055.
juveniles, growth, intestinal microflora, Streptococcus faecium, effects on 2330.
juveniles, Xenorhabdus infection, pathogenicity 10709.
leukocyte migration inhibition, Salmonella typhimurium experimental infection 9013.
Marek's disease, infection, effects on, immune response, Mycoplasma synoviae 1887
meat, membrane filter-disc immunoimmobilization, detection, Salmonella 3605.
meat, Salmonella typhimurium, incidence, freeze-thawing, association, chemicals, treatment, effects on 3092.
microflora, inhibition, Campylobacter fetus subsp.jejuni infection 13396
microflora, inhibition, Salmonella, adherence, gastrointestinal tract, scanning electron microscopy 13358.
microflora, protection, Salmonella typhimurium, Escherichia coli, infection 13357.
microflora, respiratory tract, isolation, identification 7225.
muscles tissues, Salmonella, adherence, sodium chloride, effects on 2598.
Mycoplasma columborale, pathogenicity 6363.
Mycoplasma effects on ciliary movement, trachea organ culture 11704.
Mycoplasma gallisepticum, detection, assays 6341.
Mycoplasma gallisepticum infection, immune response 603.
Mycoplasma gallisepticum infection, transmission (transovarial), effects on, egg production 13394.
Mycoplasma gallisepticum, Mycoplasma synoviae, agglutination association 13046.
Mycoplasma gallisepticum, strains, antigens, cross-protection 13004.
Mycoplasma gallisepticum, transmission, characterization 6342.
Mycoplasma gallisepticum, vaccination 10270.
Mycoplasma gallisepticum vaccination effects on egg laying 6122.
Mycoplasma synoviae synovitis outbreaks 5467.
mycoplasmosis, pathogenicity, epizootiology 10688.
Pasteurella multocida vaccination, fowl cholera 633.
pseudomembranous colitis, virginiamycin treatment 13406.
respiratory tract infection, Alcaligenes faecalis 1106.
Salmonella, culture, salmonellosis, diagnosis 2.
Salmonella, Escherichia coli, colonization, gastrointestinal tract, intestinal microflora, effects on 1052.
Salmonella, Escherichia coli, infection, gastrointestinal tract 13385.
Salmonella gallinarum, fowl typhoid, India 3628.
Salmonella gallinarum vaccination, antibody response 6130.
Salmonella isolation, media (enrichment) 4666.
Salmonella paratyphi, competition, Lactobacillus, crop, cecum 6328.
Salmonella pullorum infection, serological testing 1119.
Salmonella typhimurium infection, elimination, role, immunity (cell-mediated), antibodies 5230
Staphylococcus aureus infection, environmental conditions effects on 10722.

Chickens, (continued)
Streptococcus isolates, antibiotic sensitivity testing 12883.
Streptococcus zooepidemicus, infection, disease transmission, cow's milk, mastitis, cattle 4574
trachea, Escherichia coli, enumeration methodology 10869
vaccination, use Mycoplasma gallisepticum extracts, antigenicity 5263.
Children,
abscesses, brain, Haemophilus paraphrophilus, case reports 3417.
acne, association, immunodeficiency, immunity (cell-mediated), treatment, levamisole, case reports 1926.
Actinobacillus actinomycetemcomitans endocarditis, association, periodontal diseases, case reports 5366.
acute lymphatic leukemia, effects on, dental caries, oral hygiene 1967.
age effects, tuberculin skin tests 660.
aminoglycoside antibiotics stimulation toxicity, botulism, case reports 6914.
ampicillin antibiotic resistance Haemophilus influenzae infection 10474.
anaerobic bacteria infection 10624
anaerobic bacteria infection, diagnosis 8068.
antibiotics, prophylaxis, infection 9241.
arthritis, Neisseria gonorrhoeae, case reports 924.
arthritis, Salmonella, etiology, clinical aspects 8060
asthma, role, Mycoplasma pneumoniae 748.
bacteremia, fever, diagnosis, treatment 9224.
bacteremia, Haemophilus influenzae, case reports 7154.
bacteremia, Haemophilus influenzae, diagnosis, BACTEC test, plate counts 3449.
bacteremia, Haemophilus influenzae, treatment, cefamandole, case reports 11937.
bacteremia, Streptococcus pneumoniae infection, characterization 12022.
bacteria dental disorders, prophylaxis 13109.
bacteria dental disorders, treatment 13108.
bacteria, gastroenteritis, etiology, diagnosis, clinical aspects, treatment, man 4418.
bacteria infection, association, sickle cell disease, Zaire 3486.
bacteria infection, association, surgery, sisomicin treatment 10629.
bacteria infection, cefotaxime treatment 6267.
bacteria infection, cefotiam treatment 7136.
bacteria infection, respiratory tract, urinary tract, gastrointestinal tract, treatment, antibiotic 6059-S 2016.
bacteria infection, treatment, antibiotic 6059-S 1752.
bacteria infection, treatment, antibiotic 6059-S 2134.
bacteria infection, treatment, antibiotic 6059-S 2316.
bacteria infection, treatment, antibiotic 6059-S 2320.
bacteria infection, treatment, antibiotic 6059-S, pharmacokinetics 2318.
bacteria, infection, treatment, cefadroxil, side effects, man 4479.
bacteria, infection, treatment, cefadroxil, side effects, man 4534.
bacteria infection, treatment, cefotiam 1025.
bacteria, infection, treatment, cefotiam 2223.
bacteria, infection, treatment, cefotiam 2306.
bacteria infection, treatment, cotrimoxazole, ampicillin, erythromycin, Kelfiprim 9242
bacteria meningitis, association, deafness, ataxia 9176.
bacteria meningitis, recurrent infection, pathology, case reports, face 11843.
bacteria meningitis, treatment, reviews 11848,
bacteria respiratory tract infection, diagnosis 11741.
bacteria respiratory tract infection, effects on lymphocytes T, lymphocytes B, subpopulations, blood levels, association, atopy 10179.
bacteria, respiratory tract infection, treatment, cefadroxil, side effects, man 4407.
bacteria, respiratory tract, urinary tract, infection, treatment, cefadroxil, side effects, man 4404.
bacteria sepsis, immune response 10205.
bacteriuria, bacteria, treatment, pivampicillin± pivmecillinam 11957.
BCG vaccination, association, tuberculosis 4336.
BCG vaccination, association tuberculosis 13061.
BCG vaccination, hypersensitivity (delayed), association, nutritional status 9029.
BCG vaccination, prophylaxis, leprosy, Uganda 3241.
BCG vaccines, immunization methodology 9060.
Bordetella pertussis, pertussis, treatment, erythromycin, co-trimoxazole, man 4385
Bordetella pertussis vaccines, adjuvanticity, encephalitis side effects 6930.
botulism, Clostridium botulinum, wound infection, diagnosis, clinical aspects, case reports 7102.
bowel, Bifidobacterium, Eubacterium, Propionibacterium, Lactobacillus, intestinal microflora, cefotiam, effects on 1918.
British Isles, pertussis, correlation, respiratory tract infection 790.
bronchitis, treatment, antibacterial agents, 3316.
Brucella abortus, meningoencephalitis, diagnosis, man, case reports 4439.
Campylobacter fetus subsp.jejuni, colitis, association, diarrhea, treatment, case reports 11774.
Campylobacter fetus subsp.jejuni enteritis, case surveys 7007.
Campylobacter jejuni enteritis outbreaks, relationship, milk contamination, institutions 4417.
cancer patients, bacteria, infection, diagnosis, treatment, man 4463.
case reports, Mycoplasma pneumoniae respiratory tract infection, association, Stevens-Johnson syndrome 10313.
cefadroxil powder, treatment, infection 1007.
cellulitis, clinical aspects, treatment, Haemophilus influenzae type b 679.
cervical microflora, anaerobic bacteria 9070.
Chlamydia trachomatis, genital tract infection, diagnosis, man 4434.
Chlamydia trachomatis, infection, association, myocarditis, diagnosis, treatment, man 4499
Chlamydia trachomatis, Neisseria gonorrhoeae, mixed infection, genitourinary tract, treatment, cefuroxime, case reports 2151.
chlorhexidine mouthwashes, effects on, dental plaque, gingivitis, bacteria 11684.
chronic granulomatous disease, Staphylococcus recurrent infection, association, muscular dystrophy, case reports 10469.
Clostridium difficile infection, host-pathogen interactions 8063.
Clostridium difficile isolation, toxigenicity, feces 7008.
Clostridium difficile toxins role, antibiotics effects on diarrhea 7893.
Clostridium perfringens arthritis, case reports 956.
Clostridium tetani, Corynebacterium diphtheriae, antibodies, detection, man 3548.
Clostridium tetani, tetanus, immunity, man 4290.
conjunctivitis, etiology, Haemophilus, Staphylococcus aureus, Streptococcus pneumoniae, Branhamella 2295.
cornea infection, Pseudomonas aeruginosa 10552.
Crohn's disease, Campylobacter fetus subsp.jejuni, clinical aspects, pathology,

Children, (continued)
case reports 13185.
dental caries, bacteria, fluoride water 13110.
dental caries, epidemiology, incidence 11681.
dental caries, fluoride prophylaxis 10306.
dental caries, immunoglobulin A antibody response, saliva, Streptococcus mutans 13045.
dental caries incidence, British Isles 737.
dental caries incidence, fluoridation effects on, British Isles 736.
dental caries incidence, Netherlands 717.
dental caries incidence, relationship, sugar, diets 711.
dental caries, incidence, socio-economic aspects 6950.
dental caries incidence, South Africa 708.
dental caries, pathology, association, fluoride treatment 6957.
dental caries prevention, fluoride tablets long-term effects 10308.
dental caries, prophylaxis 3308.
dental caries prophylaxis, fluoride, Finland 713.
dental caries, role, drinking water fluoridation, British Isles 1966.
dental caries, sucrose effects on, bacteria, epidemiology 11696.
dental caries, toothbrushing, sugar exposure, effects on 714.
dental diseases, oral hygiene, Nigeria, socio-economic aspects, effects on 3295.
dental disorders, bacteria, factors affecting suseptibility, epidemiology 11692.
dental plaque, dental calculus, mouthwashes, chlorhexidine gluconate, effects on 3292.
dental plaque formation, xylitol, effects on 4374.
dental plaque, gingivitis, Brazil, teeth cleaning, fluoride applications, effects on 734.
dental plaque, microflora, enumeration, identification 13075.
diabetes mellitus, association, Streptococcus pneumoniae polysaccharides vaccination, antibody response 9055.
diarrhea, association, antibiotic resistance, enteric bacteria 5957
diarrhea, association, enterotoxins biosynthesis Escherichia coli 4232.
diarrhea, association, pathogens, Escherichia coli, Shigella, Vibrio cholerae, incidence, case surveys, children 7014.
diarrhea, bacteria, etiology, prophylaxis, treatment, epidemiology, Costa Rica 11780
diarrhea, campylobacter fetus subsp.jejuni, clinical aspects, diagnosis, treatment, case reports 11767.
diarrhea, Enterobacteriaceae, incidence, seasonal variations, Ethiopia 2028.
diarrhea, Escherichia coli, drug resistance, R factors 274.
diarrhea, Escherichia coli, Shigella, India 2039.
diarrhea, Yersinia enterocolitica, case reports 10359.
diphtheria, case reports, Kenya 7260.
diphtheria, immunity, New Zealand 11590.
diphtheria, pathology, kidney, heart, case reports 3327.
dysentery, enterocolitis, treatment, antibiotics± adaptogens 10362.
encephalitis, paratyphoid, Salmonella paratyphi, case reports 9170.
endocarditis, characterization 10569.
endocarditis, Staphylococcus aureus, treatment, nafcillin, rifamycin, case reports 11946.
endocarditis, streptococcus viridans, prophylaxis, antbiotics 6304.
enteritis, association, diarrhea, Escherichia coli, pathogenesis 11787.
enteritis, Campylobacter, differential diagnosis, Salmonella, rotavirus 5311.
enteritis, Campylobacter fetus subsp.jejuni, clinical isolates incidence, Norway 11789.
enteritis, etiology, Campylobacter, Salmonella, rotavirus, Australia 3355.
Escherichia coli, antibodies, levels, urinary tract infection, man 3393.
Escherichia coli, bacteriuria, pathology, case reports 2091.
factors affecting morbidity, bacteria respiratory tract infection, Canada 10326.
feces, Yersinia enterocolitica, incidence, identification, Spain 2029.
fever, role, bacteremia 963.
fluoride, social hierarchy, effects on dental caries, bacteria, epidemiology, Finland 11689.
food hypersensitivity, milk, association, excretion, Campylobacter fetus, Salmonella agona, case reports 832.
gastroenteritis, association, incidence, Escherichia coli, New Zealand 3372.
gastroenteritis, etiology, bacteria, rotavirus, Trinidad 5312.
gastroenteritis, incidence, ethnic groups, Australia 2026.
gastroenteritis, Shigella, diagnosis, leukocytes enumeration 10372.
glomerulonephritis, association, Streptococcus infection 11882.
gram-negative bacteria infection, cefotaxime treatment 6296.
gram-negative bacteria meningitis, cefotaxime treatment, pharmacokinetics 6232.
Haemophilus influenzae, antibiotic resistance, ampicillin, epidemiology 379.
Haemophilus influenzae, biotypes, infection, man, case reports 3490
Haemophilus influenzae infection, fever 7123.
Haemophilus influenzae infection, foot pathology 6294
Haemophilus influenzae infection, treatment, cefamandole, meningitis complications 2216.
Haemophilus influenzae infection, treatment, cefamandole 2217.
Haemophilus influenzae meningitis, association, viruses, nasopharynx isolates 5336.
Haemophilus influenzae, otitis media, antibiotic resistance, association, ampicillin treatment 10324.
Haemophilus influenzae type b arthritis, case reports 5399.
Haemophilus influenzae type b, infection, disease transmission, institutions 4524.
Haemophilus influenzae, vaccination, clinical trials, relationship, age 11649.
hearing loss, association, bacteria meningitis 7065.
Hodgkin's disease, Streptococcus pneumoniae vaccination antibody response 645.
hospitals, incidence, urinary tract infection 2063.
hydrocephalus, treatment, cerebrospinal fluid shunts, postoperative infection, bacteria 2261.
immunocompromised hosts, Legionnaire's disease, diagnosis, case reports 1984.
immunodeficiency, association, Neisseria meningitidis infection, leukocytes (neutrophilic) stimulation, role, antibodies, complement 3206.
immunoglobulin A immunodeficiency, +recurrent infection bacteria, effects on leukocytes (neutrophilic) chemotaxis 10631.
infants, pneumonitis, association, Chlamydia trachomatis, cytomegalovirus, Pneumocystis carinii, Ureaplasma urealyticum 5287.
infection, antibacterial activity, cefadroxil 5063.
infection, bacteria, antibiotics treatment 10578.
infection, bacteria, respiratory tract, urinary tract, treatment, cefotiam 3339.
infection, bacteria, treatment, ampicillin+dicloxacillin 11894.
infection, Haemophilus, antibacterial activity, cefotaxime 8076.
infection, Mycoplasma pneumoniae, characterization, diagnosis, pathology 10311.
infection, Staphylococcus, lung pathology, treatment, characterization 11698.

Children, (continued)
infection, treatment, antibiotic 6059-S 1743.
infection, treatment, antibiotic 6059-S 5099.
infection, treatment, cefadroxil 5379.
infection, treatment, cefadroxil, pharmacokinetics 5417.
infection, treatment, cefotiam 1719.
infection, treatment, cefotiam 1726.
infection, treatment, cefotiam 3541.
infection, treatment, cefotiam, pharmacokinetics 3539.
infection, tuberculosis, vaccines, reviews 9049.
infection, viruses, bacteria, vaccination technology 10258.
infectious diseases, interaction, nutritional status, Escherichia coli, Shigella, role, case surveys 7160.
institutions, p-formaldehyde disinfection 410.
intestinal microflora, antibacterial activity, cefotaxime 6139.
intestinal microflora, Enterobacteriaceae, interaction ECHOvirus infection 13066.
Legionella pneumophila, incidence, pneumonia, man, hospitals 4406.
legionnaires disease, association, erythema multiforme, case reports 6994.
legionnaire's disease, case reports, Italy 6989.
leprechaunism, association, defect, leukocytes (neutrophilic) antibacterial activity, case reports 2322.
leukemia, BCG vaccination effects on 652.
leukocytes (granulocytic) adherence, endothelium, role, chemotaxis, infection, bacteria, viruses, effects on 563.
liver abscesses, Escherichia coli, Staphylococcus 10536.
lung, tuberculosis, markers erythema nodosum 9105.
lung tuberculosis, pathology, factors affecting 2018.
man, Chlamydia trachomatis, antibody response, immune response (humoral) 8986.
man, diagnosis, treatment, arthritis, osteomyelitis, bacteria 10460.
man, diarrhea, association enterotoxins, Escherichia coli, shigella, clinical aspects, Ethiopia 6019.
man, diarrhea, Clostridium difficile toxins, feces, association cytopathogenesis 6017
man, endocarditis, Streptococcus constellatus, association, antibiotic resistance, penicillin, case reports 5950.
man, meningitis, ampicillin+chloramphenicol, cefuroxime, treatment comparison 13218.
man, Neisseria meningitidis, case reports 6282.
man, pharynx, Neisseria gonorrhoeae infection 11697.
man, pneumonia, Mycoplasma pneumoniae, antibody response, blood groups 7935.
man, pneumonia, treatment, medicine, China, People's Rep. 10346.
mastoiditis, role, Staphylococcus aureus, Pseudomonas aeruginosa, Proteus 1987.
maternal effects, saliva, Streptococcus mutans, adherence, surfaces, in vitro 2608.
maxilla osteomyelitis, association, teeth eruptions, nose, case reports 9285.
meningitis, amino acids levels, cerebrospinal fluid 9175.
meningitis, association, cerebral infarction 893.
meningitis, association, immunodeficiency, immunoglobulin A, immunoglobulin G 1896.
meningitis, association, spinal cord, infarction, case reports, Streptococcus pneumoniae 882.
meningitis, bacteria, diagnosis, use, bromide partition test 8017.
meningitis, clinical aspects 10417.
meningitis, EEG 11846.
meningitis, Enterobacter, Haemophilus influenzae, cefotaxime treatment 6238.
meningitis, Haemophilus influenzae, case reports 7062.
meningitis, Haemophilus influenzae, incidence, USA 7071.
meningitis, Haemophilus influenzae infection, chloramphenicol treatment 10424.
meningitis, Haemophilus influenzae, prognosis 9173.
meningitis, Haemophilus influenzae, treatment chloramphenicol 7060.
meningitis, Haemophilus influenzae type b, disease transmission, prophylaxis, rifampicin drug resistance, case reports 8856.
meningitis, man, case reports 6233.
meningitis, moxalactam treatment, cerebrospinal fluid distribution 10427.
meningitis, Mycobacterium tuberculosis, cerebrospinal fluid, lactate dehydrogenase, activity 8016.
meningitis, Mycobacterium tuberculosis, diagnosis 9166.
meningitis, Staphylococcus epidermidis, Streptococcus, Haemophilus, Escherichia coli, treatment, cefotaxime 895.
meningitis, Streptococcus pneumoniae, dexamethasone treatment 10425.
meningitis, Streptococcus viridans, case reports 9091.
meningitis, treatment, penicillin, chloramphenicol, role, administration routes 900.
meningoencephalitis, association, Mycobacterium pneumoniae infection, clinical aspects, electron microscopy, case reports 13220.
methicillin prophylaxis infection association cerebrospinal fluid shunts 9315.
middle ear infection, treatment 792.
Mycobacterium avium-intracellulare infection, lung, clinical aspects, case reports 11730.
Mycobacterium bovis disseminated infection, case reports 1013.
Mycobacterium haemophilum lymphadenitis, case reports 3544.
Mycobacterium humanus infection association lymphoma, case reports 10548.
Mycobacterium intracellulare infection, immunosuppression, monocytes cytotoxicity, case reports 594.
Mycoplasma pneumonia, treatment, acetylspiramycin 760.
Mycoplasma pneumonia, treatment, acetylspiramycin 762.
Mycoplasma pneumoniae, infection, association, Stevens-Johnson syndrome, diagnosis, man, case reports 4399.
Mycoplasma pneumoniae infection, immunosuppression 551.
Mycoplasma pneumoniae infection, presentation, rheumatic fever, clinical aspects 7181.
nasopharynx, cough, association, Branhamella catarrhalis 1992.
Neisseria meningitidis, bacteremia, bone, pathology, case reports 2197.
Neisseria meningitidis, bacteremia, meningitis, symptoms, case reports 2275.
Neisseria meningitidis infection, association, systemic lupus erythematosus, case reports 3502.
Neisseria meningitidis sepsis, pathology, case reports 2215.
Neisseria meningitidis, vaccination, immune response, man 4326.
nitrogen balance, recovery, cholera, association, diarrhea 826.
nose polyps, association, paranasal sinus infection 10316.
nosocomial infection, bacteria, clinical aspects, disease control 10519.
ophthalmia, Branhamella catarrhalis, penicillin, antibiotic resistance, case reports 7216.
osteomyelitis, bacteria, pathogenesis, treatment 10614.
osteomyelitis, diagnosis, scintigraphy 10445.
osteomyelitis, Mycobacterium bovis, case reports 11903.

Children, (continued)
- osteomyelitis, staphylococcus aureus, treatment, clinical trials, clindamycin, nafcillin, methicillin 9309.
- otitis media, antibiotics prophylaxis 13131.
- otitis media, association, effusion, bacteria, etiology 11745
- otitis media, etiology, Streptococcus pneumoniae, Haemophilus influenzae, Pseudomonas aeruginosa 1999.
- otitis media, Haemophilus influenzae, Streptococcus pneumoniae 738
- otitis media, Haemophilus influenzae, treatment, cefaclor 13153.
- otitis media, role, Branhamella catarrhalis, antibody response 3313.
- otitis media, Streptococcus pneumoniae vaccination 647.
- otitis media, treatment, cefaclor, amoxicillin 13129.
- paronychia, etiology, anaerobic bacteria, aerobic bacteria 2211.
- periodontal diseases, gram-negative bacilli, diagnosis 13105
- periodontitis, occurrence bacteria, periodontium, effects on leukocytes (polymorphonuclear) 6154.
- peritonitis, treatment, tobramycin+clindamycin, cephalothin+cephalexin 5404.
- pertussis, immunodiagnosis 11705.
- pertussis, symptoms, case reports 2000.
- pertussis, vaccination 6132.
- pertussis, vaccination, immune response 7957.
- pertussis, vaccines characterization 9026.
- pharyngitis, Streptococcus group A, treatment, penicillin V, penicillin G, cefadroxil, erythromycin 10336.
- pharyngitis, Streptococcus, treatment, penicillin G 10312.
- pharyngitis, treatment, cefadroxil, streptococcus 747.
- pharynx isolates, Streptococcus, incidence, Brazil 5289.
- pneumonia, empyema, Bacteroides corrodens, case reports 746.
- pneumonia, treatment, penicillin G, clindamycin, carbenicillin 5304.
- pneumothorax, tuberculosis, disseminated infection, case reports, man 2265.
- pseudomembranous colitis, pathogenesis, gram-negative bacteria 13163.
- Pseudomonas aeruginosa, Escherichia coli, Klebsiella pneumoniae, infection, prophylaxis, cancer patients, man 4464.
- Pseudomonas maltophilia bacteremia, nosocomial infection, heart surgery 960.
- Reiter's disease, case reports, etiology, Yersinia enterocolitica infection, arthritis 5358
- respiratory tract diseases, bacteria, candidiasis, treatment, flucloxacillin 3315.
- respiratory tract infection, anaerobic bacteria, diagnosis, treatment 6978.
- respiratory tract infection, azidocillin treatment 13142.
- respiratory tract infection, bacteria 9124.
- respiratory tract infection, bacteria, treatment, amoxicillin+bromhexin 3349.
- respiratory tract infection, bacteria, treatment, ampicillin, comparison, bracen 9111.
- respiratory tract infection, bacteria, treatment, cotrimoxazole, comparison, bracen 9113
- respiratory tract infection, bacteria, treatment, erythromycin, comparison, cotrimoxazole, amoxicillin 11733.
- respiratory tract infection, bacteria, treatment, penicillin, comparison, bracen 9115
- respiratory tract infection, effects on, lung function 5313.
- respiratory tract infection, Mycoplasma pneumoniae, pathogenesis 10328.
- respiratory tract infection relationship Waldeyer's ring, lymphoid tissue 9097.
- respiratory tract infection, Staphylococcus aureus, Pseudomonas aeruginosa, aminoglycoside antibiotics treatment 10345.
- respiratory tract infection, streptococcus group A, interuction, influenza A virus, respiratory syncytial virus 11744.
- respiratory tract infection, treatment, amoxicillin 785.
- respiratory tract infection, treatment, cefuroxime 3325.
- respiratory tract infection, treatment, Josamycin 1968.
- rheumatic fever, heart pathology 5389.
- rheumatic heart disease, pathology, Nigeria 2264.
- rheumatic heart disease, prognosis, Nigeria 2263.
- Rocky Mountain spotted fever, subclinical infection, serological surveys, man 6276
- saliva Streptococcus mutans, chlorhexidine treatment, man 6160.
- Salmonella cholea-suis, infection, case reports 7166.
- Salmonella enteritis, epidemiology, treatment, Austria 7020.
- Salmonella infection, treatment, fosfomycin 7133.
- Salmonella typhi vaccines, typhoid fever, clinical trials 6125.
- septic shock, association, lung edema, Neisseria meningitidis 951.
- septicemia, Erwinia herbicola, diagnosis, Epidemiology, immune response, treatment, case reports 3516.
- Serratia marcescens, bacteremia, endocarditis, burn infection, treatment, cefotaxime 685.
- shigellosis outbreaks, treatment, hospitals 5316.
- shigellosis, shigella, case surveys, pediatrics, treatment 13177.
- siblings, Neisseria meningitidis meningitis, association, complement deficiency, case reports 988.
- side effects, vaccination, Bordetella pertussis+Clostridium tetani+Corynebacterium diphtheriae, man 3246.
- sinusitis, bacteria, treatment 13134.
- skin abscesses, etiology 680.
- skin diseases, bacteria, epidemiology, Brazil 11664.
- South Africa Rep., effects on, hypersensitivity (delayed), tuberculosis, Mycobacterium tuberculosis 5291.
- splenectomy, association, Streptococcus pneumoniae vaccination 6136.
- Staphylococcus aureus infection, vancomycin treatment, neutropenia side effects, case reports 6312.
- Streptococcus adherence nasopharynx 9566.
- Streptococcus group A, meningitis, predisposing factors 2130.
- Streptococcus group B infection, liver diseases, case reports 10542.
- Streptococcus group B urinary tract infection 856.
- Streptococcus, infection, incidence, man 4512.
- Streptococcus mutans levels, saliva, relationship, levels, parents 1952.
- Streptococcus pneumoniae arthritis+osteomyelitis, case reports 5393.
- Streptococcus pneumoniae, colonization adherence, nasopharynx mucus 9602.
- Streptococcus pneumoniae diseases, epidemiology 7198.
- Streptococcus pneumoniae vaccination, antibody response, otitis media 649.
- Streptococcus pneumoniae vaccination, Papua New Guinea 616.
- Streptococcus pyogenes, Streptococcus pneumoniae, Staphylococcus aureus, Haemophilus influenzae, Escherichia coli, Salmonella typhi, Campylobacter jejuni, infection, treatment, cefotiam 2248.
- sucrose effects on dental caries, bacteria, relationship, meals, Israel 11691.
- surgery treatment vesical reflex, urinary tract infection association 10389.
- systemic lupus erythematosus, association, bactericidal activity, leukocytes (polymorphonuclear) 596

Children, (continued)
- teeth, dental caries, distribution 1961.
- tetanus, immunity, vaccination, man 4351.
- thorax empyema, suprapen treatment 13315.
- thyroid bacteria infection, association, branchial cleft abscesses rupture, case reports 11895.
- thyroiditis, abscesses, Bacteroides corrodens, clinical aspects, case reports 13333.
- tonsil abscesses, treatment, case surveys 6199.
- tonsillitis, anaerobic bacteria, role 1983
- tonsillitis, recurrent infection, isolation, anaerobic bacteria, aerobic bacteria 1989
- tooth, bacteria, infection, prophylaxis, man 4368.
- trachoma, treatment, tetracycline, comparison, erythromycin 13310.
- tuberculin sensitivity, association, BCG vaccination 1911.
- tuberculosis, diagnosis, tine test, comparison, Tuberculine Monotest, man 3335.
- tuberculosis diagnosis, use, lymphocyte transformation assays 587.
- tuberculosis, epidemiology 13280.
- tuberculosis, genitourinary tract, case reports 7044.
- tuberculosis, incidence, urban environments 3318.
- tuberculosis, lymphadenopathy 9269.
- tuberculosis, Mycobacterium tuberculosis, diagnosis, BCG, tuberculin 9263.
- tuberculosis, treatment 11912.
- typhoid fever, ileum perforation 13169.
- urinary tract infection, amoxicillin treatment 13200.
- urinary tract infection, antimicrobial agents treatment 13179.
- urinary tract infection, association, renal function, pathology 10415.
- urinary tract infection, association, vesicoureteric reflux 10416.
- urinary tract infection, Citrobacter diversus, case reports 8003.
- urinary tract infection, detection, nephrotic syndrome 11796.
- urinary tract infection, diagnosis, antibody-coated bacteria, immunofluorescence 855.
- urinary tract infection, Escherichia coli, incidence, clinical aspects, pathogenesis 7039.
- urinary tract infection, prophylaxis, cotrimoxazole 5331.
- urinary tract infection, role reflux 11822.
- urinary tract infection, Staphylococcus saprophyticus, case reports 11811.
- urinary tract infection, treatment, antibiotics 848.
- urinary tract infection, treatment, nalidixic acid+cotrifamol 2075.
- urinary tract infection+ureter pressure, effects on kidney parenchyma 11795.
- urinary tract infection+ureter pressure, effects on kidney parenchyma 11815.
- vaccines, antigenicity, screening, Corynebacterium diphtheriae, tetanus, pertussis 5250.
- varicella, complications, arthritis, Staphylococcus aureus, case reports 946.
- ventriculitis, bacteria infection, treatment, amikacin, pharmacokinetics 3411.
- vertebrae puncture, association, bacteremia, relationship, meningitis 6234.
- Vibrio cholera, diarrhea, chlorpromazine treatment 11785.

Chile,
- cattle, cecum, Yersinia enterocolitica isolation 7230.

Chimeras,
- eukaryotes plasmid pBR322, transformation Escherichia coli 5022.

China, People's Rep.,
- infectious diseases, epidemiology, prophylaxis 13288.
- leprosy, incidence, man 4364.
- medicine, treatment, pneumonia, children 10346.
- tuberculosis, control programs, man 11917.

Chinchilla laniger,
- animal models, otitis media, Streptococcus pneumoniae, Haemophilus influenzae 6182

Chinchillas,
- animal models, otitis, Streptococcus pneumoniae, immunity, antibiotics effects on recurrent infection 787.
- animal models, Streptococcus pneumoniae bacteremia, splenectomy effects on 5376.
- otitis media, Streptococcus pneumoniae, pathology, prophylaxis, role, vaccination, antibody response 6999

Chitin,
- biodegradation, Abies alba litter, bacteria 3729.
- biodegradation, microorganisms, estuaries isolates, stimulation azinphos-methyl 8418.
- biodegradation, soil, bacteria, fungi 4747.
- biodegradation, Streptomyces, soils (acid), pH effects on 12369.
- hydrolysis, Serratia marcescens 5745.
- Streptomyces mycelia, chelating agents, metals 7623.

Chitinase,
- chitin hydrolysis, Serratia marcescens 5745.
- chitinase 5745.

Chlamydia,
- antibiotics antibacterial activity 9972.
- antibodies incidence, cattle, Hungary 5464.
- antigens, evaluation, complement fixation 509.
- chlamydiosis, Columbidae, Psitticiformes, epizootiology 6370.
- clinical isolates, culture, identification, clinical microbiology 12233
- disease transmission, Ornithodoros coriaceus vectors, cattle 10711.
- etiology, differential diagnosis, abortion, pigs 5473.
- etiology, pneumonia, man 789.
- identification, animal isolates 12273.
- identification, isolation, Psittaciformes 7397.
- incidence, nose microflora, cattle 13365.
- infection, association, atrium fibrillation, man, case reports 7165.
- infection, clinical aspects, diagnosis, treatment, eye, man, case reports 3477.
- infection farms, serological surveys, cattle, man, Czechoslovakia, 4489.
- infection, immunodiagnosis, complement, cattle, assays 1850.
- infection, immunodiagnosis, complement fixation, indirect hemagglutination, man 12992.
- infection, Mammalia, zoonoses, man pathogenicity 7176.
- infection, man, sexually-transmitted diseases, epidemiology, world 13236.
- infection, oral cavity, spiramycin treatment, man 10314.
- infection, tetracyclines treatment, man 11942.
- keratoconjunctivitis, Phascolarctos cinereus, Australia 1110.
- mastitis, diets, cattle 4545.
- non-specific urethritis, diagnosis, man 13190.
- parasitism, digestive system, Argopecten irradians 10730.
- pathogenicity characterization 9195.
- pneumonia, clinical aspects, infants, man 4383.
- psittacosis, tetracycline, antibiotic therapy, case reports, man 9102.

Chlamydia, (continued)
Reiter's disease, keratitis association, pathology, man 10443.
role, genitourinary tract, infection, man 3394.
role, lameness, cattle 2357.
role, pneumonia, sheep 5459.
taxonomy, culture, isolation, identification, clinical aspects 10920.
tissues infection, hemagglutinins, isolation, characterization 4260.
urethritis, treatment, doxycycline, tetracycline, man, males 5329.
urinary tract infection, diagnosis, methodology, man, reviews 11816.
vaccination, role, immunosuppression, Toxoplasma gondii, toxoplasmosis, sheep 5262.
Chlamydia ovis,
detection, L-929 cells, immunoperoxidase test 5186.
Chlamydia psittaci,
adherence, replication, mice fibroblasts persistent infection, effects on 23.
ADP, ATP transport, reticulate bodies, elementary bodies 6540.
amino acids radioactive labelling, association, activity specificity 9524.
animal isolates, identification 12279.
antigens, localization, outer membranes, McCoy cells, cell culture, immunofluorescence 3178.
attachment, L cells, role, surfaces, glycoproteins 2588.
bronchopulmonary infection, antibiotics treatment, man, reviews 13155
conjunctivitis, immunoglobulin G, antibody response, tears, guinea-pigs 13048.
diseases, man 7178.
± Ehrlichia phagocytophilia, experimental infection, sheep, association lung experimental infection 10699.
endocarditis, man, case reports 9278.
etiology, keratoconjunctivitis, Phascolarctos cinereus 5471.
etiology, polyarthritis, cattle, juveniles 3643.
experimental infection, oral administration, juveniles, sheep 6374
experimental infection, pregnancy, sheep 1081.
growth, macrophages, mice, lymphokines effects on 4320.
growth, McCoy cells, cell culture, treatment, emetine 3763.
inclusions, staining methodology 7375.
infection, association, myocardial infarction, man 6293.
infection, birds, incidence, USA, Florida 10647
infection, diagnosis, man 7084.
infection, diagnosis, treatment, man 4452.
infection, immune response, immunomodulation, mice 3226.
infection, isolation, cats, Iran 4589.
infection, man 9294.
infection, Melopsittacus undulatus, Japan 7241.
isolation, Anas platyrhynchos, conjunctivitis, rhinitis 6359.
isolation, birds 3617
mixed infection, Staphylococcus, organotropism, mice 13298.
peristent infection, McCoy cells, in vitro 1285.
phagosomes, isolation, L. cells, characterization 12078.
pneumonia, etiology, symptoms, horses 3625
pneumonia, pathogenesis, mice 13145.
pneumonitis, vaccines, immunity, cats 13063.
psittacosis, Aves, antibiotic prophylaxis, chlortetracycline, detection methodology 7806.
psittacosis, diagnosis, Melopsittacus undulatus, case reports 7236.
psittacosis, endocarditis, treatment, tetracycline, man, case reports 2235.
psittacosis, epidemiology, man, British Isles 10476.
psittacosis, family studies, man 6965.
psittacosis, man, Legionnaire's disease, serotyping differential diagnosis 11743.
psittacosis, transmission, man, clinical aspects, Aves 6317.
psittacosis, treatment, clinical aspects, occupational exposure, education institutions, man 767.
psittacosis, treatment, prophylaxis, Brotogeris versicolorus chiriri 2362.
psitticosis, zoonoses, epidemiology, man 9293.
relationship, Legionella pneumophila, antigenic characteristics, man, Legionnaire's disease 10140.
respiratory tract infection, diagnosis, indirect fluorescent antibody test, man 10153.
Chlamydia trachomatis,
anorectal infection, homosexuality, man 5345.
antibodies, enzyme-linked immunosorbent assay, micromethods 508.
antibodies, immunoglobulin G, detection, use, enzyme-linked immunosorbent assay, salpingitis, man 7906.
antibodies, incidence, Crohn's disease, man 6115.
antibody response, immune response (humoral), infants, children, man 8986.
antigens, antigenic characteristics, specificity, use, monoclonal antibodies 8928.
antigens, localization, outer membranes, McCoy cells, cell culture, immunofluorescence 3178.
association, gonorrhea, treatment, rosoxacin, antibacterial activity, man 2177
association, neoplasia, cervix, man 11818.
association, pneumonitis, infants 5287.
cervix infection, man, ultrastructure studies 8009.
chronic infection, HeLa cells 19.
complement fixation, immunofluorescence, laparoscopy, case reports, man 12013.
congenital infection, epidemiology, treatment, neonates, man 9249.
conjunctivitis, nasal infection, neonates, association, cervix, infection, man, pregnancy, incidence 2190.
cytoplasm inclusions formation, sampling swabs effects on 4663.
diseases, man 7178.
endometritis, cervix, etiology, man, case reports 2092.
epididymitis, treatment, man 13233.
etiology, pneumonia, man 3321.
eye infection, man 7088.
fallopian tube isolation, salpingitis, clinical aspects, immune response, man 923.
genital tract, experimental infection, marmosets, immunity, animal models 6218.
genital tract infection, association, Reiter's disease, man 914.
genital tract infection, clinical aspects, treatment, man 913.
genital tract infection, diagnosis, children, man 4434.
genital tract infection, diagnosis, females, man 9153.
genital tract infection, immune response (cell-mediated), man 6100.
genital tract infection, incidence, antibodies, cervix pathology, man 2143.
genital tract infection, incidence, females, man, Sweden 4450
genital tract infection, man 9158.
genital tract infection, man, antibiotics treatment 9187.
genital tract infection, man, reviews 9186.
genital tract infection, man, reviews 9196.
Chlamydia trachomatis, (continued)
genital tract infection, man, reviews 9198.
genitourinary tract infection, role, progesterone, animal models 2054.
genitourinary tract infection, treatment, females, case reports, man 10390.
growth, McCoy cells, cell culture, treatment, emetine 3763.
immunoglobulin A antibody response, breast milk, colostrum, man 8965.
inclusion conjunctivitis, congenital infection, etiology, diagnosis, neonates 910.
inclusion conjunctivitis, diagnosis, treatment, clinical aspects, man 9188.
inclusions assays, genital tract infection, man 10387.
inclusions, staining methodology 7375.
induction, lymphocytes, interferon, production 10206.
infants man, infection, immunosuppression, association gastrointestinal tract diseases 7990.
infection, association, endometritis, immune response, pathology, man, case reports 2071.
infection, association, Fitz-Hugh-Curtis syndrome, man, case reports 2280.
infection, association, myocarditis, diagnosis, treatment, children, man 4499.
infection, association, non-specific urethritis, treatment, amoxicillin, man 919.
infection, cervix, secretions, immunoglobulin A, man 3392.
infection, diagnosis, man 7084.
infection, diagnosis, treatment, man 4452.
infection, diagnosis, treatment, man, females 4448.
infection, effects on interferon biosynthesis, lymphocytes transformation, man, in vitro 601.
infection, genitourinary tract, animal models, man 13248.
infection, HeLa cells, effects on Escherichia coli, Staphylococcus aureus, interaction 22.
infection, incidence, homosexuality, females 921.
infection, man 9294.
infection, man, diagnosis, antigenic characteristics, serological tests 8915.
infection, man, neonates, reviews 4453.
infection, man, otitis media, bacteriology, reviews 10333.
infection, man, sexually-transmitted diseases, drugs treatment, reviews 11859.
infection, man, sexually-transmitted diseases, treatment, tetracyclines 9197.
infection, McCoy cells, characterization, scanning electron microscopy 8361.
infection, McCoy cells, radiation, isolation methodology 9501.
infection, seroepidemiology, cord blood, neonates, man 7045.
infection treatment, cervix, adolescence, 933.
infection, treatment, topical application, rifampicin, chlortetracycline, eye, man 3445.
infection, trophoblasts, mice 11830.
isolation methodology, use, cell lines, McCoy cells 1252.
isolation sexually-transmitted diseases, clinical isolates, screening culture systems 6452.
isolation, urethritis, man 852.
β-lactam antibiotics, antibacterial activity 6806.
β-lactam antibiotics, antibacterial activity, in vitro 9950.
leukocytes (polymorphonuclear), cytotoxicity, interaction, man 10184.
liver, isolation, Fitz-Hugh-Curtis syndrome, man 9189.
lymphogranuloma venereum, clinical aspects, man 13241.
lymphogranuloma venereum, epidemiology, treatment, diagnosis, man 9194.
lymphogranuloma venerum, detection, immunoglobulin G, immunoglobulin A, radioimmunoassay, man 10196.
membrane proteins, antibodies, neutralization, infectivity, HeLa cells 13036.
Neisseria gonorrhoeae, mixed infection, genitourinary tract, treatment, cefuroxime, children, case reports 2151.
non-specific urethritis, epidemiology, disease control, man 13231.
non-specific urethritis, seroepidemiology, man 7049.
non-specific urethritis, treatment, clinical manifestations, man, reviews 2167.
non-specific urethritis, treatment, minocycline, man 916.
non-specific urethritis, treatment, rosaramicin+tetracycline, man 8005.
pelvic inflammatory disease, man 13234.
pelvic inflammatory disease, treatment, lymecyclin, lincomycin, man 3403.
pelvic inflammatory disease, treatment, man 13188.
persistent infection, fibroblasts, mice, factors affecting 21.
pneumonia, diagnosis, clinical aspects, treatment, man, infants 11716.
pneumonia, radiography, infants, man 11711.
pneumonia, treatment, cortisone, cyclophosphamide, animal models 4392.
pneumonitis, immunoglobulin G, immunoglobulin A, role, immune response, nude mouse 6108.
proctitis, clinical aspects, homosexuals, man 2158.
prostatitis, metronidazole treatment, case reports, man 13191.
Reiter's disease, etiology, physiopathology, factors affecting, man 11949.
respiratory tract, clinical aspects, man, infection 3317.
respiratory tract infection, diagnosis, indirect fluorescent antibody test, man 10153.
role, genitourinary tract infection, man 2053.
role, infertility, pregnancy, man 4430.
salpingitis, association, autoantibodies, levels, characterization, man 9152.
salpingitis, experimental infection, pathology, antibody response, animal models 10277.
serotypes, antigens, proteins, radioactive labelling, electrophoresis, characterization 1478.
serum+culture (media) effects on, juveniles, cattle 5559.
sexually transmitted diseases, treatment, males, man 9154.
sexually-transmitted diseases, association, contraceptives (oral), females, man, British Isles, surveys 2150.
sexually-transmitted diseases, man, reviews 10440.
sexually-transmitted diseases, man, Spain, surveys 2146.
trachoma, congenital infection, epidemiology, man 13235.
trachoma, epidemiology, man 9276.
trachoma, incidence, blindness association, man, Papua New Guinea 8057.
trachoma, pathogenesis, clinical aspects, diagnosis, man 9243.
trachoma, treatment, man 2199.
trachoma, treatment, tetracycline, comparison, erythromycin, children 13310.
urethritis, association, lymphangitis, penis, man 851.
yield, McCoy cells, cycloheximide effects on 4683.
Chlamydiosis,
Chlamydia, Columbidae, Psitticiformes, epizootiology 6370.
Chlamydomonas,
4-chloro-3,5-dinitrobenzoic acid, degradation 1406.
Chlamydomonas reinhardtii,
chloroplasts, DNA nucleotide sequence homology, elongation factor Tu genes, Escherichia coli 11041.

-Chloramine,
compounds, antibacterial activity comparison, chlorhexidine, in vitro, in vivo 5961.
hloramphenicol,
+ampicillin, antibiotic synergism, gram-negative bacteria 5109.
+ampicillin, cefuroxime, treatment comparison, bacteria meningitis, man 13218
antibacterial activity, bacteria, fish diseases 3001.
antibacterial activity, bacteria, temperature effects on 5053.
antibacterial activity, Escherichia coli, measurement, enumeration spiral plater 5927
antibacterial activity, glutamic acid excretion, growth, Citrobacter intermedius 1739.
antibacterial activity, Haemophilus influenzae, Neisseria gonorrhoeae, Salmonella typhi, Salmonella paratyphi 12915.
antibacterial activity, Neisseria gonorrhoeae, 5050.
antibacterial activity, Shigella 1699.
antibacterial activity, Streptococcus group B, antibiotic antagonism, ampicillin, treatment, meningitis 3008.
antibiotic resistance, clinical isolates, Haemophilus influenzae, Streptococcus pneumoniae, Streptococcus group A, Staphylococcus aureus, agar dilution test 7832.
antibiotic resistance, detection, Haemophilus influenzae, screening, methodology 394.
antibiotic resistance, Enterobacteriaceae isolates, man, chickens, cattle 5110.
antibiotic resistance, Escherichia coli, Alcaligenes faecalis, Klebsiella pneumoniae, soil isolates 12923.
antibiotic resistance, Escherichia coli, animal isolates 4195.
antibiotic resistance, Escherichia coli, genes, transcription, phage P1CM effects on 10004.
antibiotic resistance, Haemophilus influenzae, R factors, genetic relationship 1677.
antibiotic resistance, Klebsiella clinical isolates, hospitals patients 9998.
antibiotic resistance, plasmids mediation, transfer, Bacteroides, Escherichia coli 2929
antibiotic resistance, Pseudomonas aeruginosa, chloramphenicol acetyltransferase characterization 1750.
antibiotic resistance, Pseudomonas aeruginosa plasmids, plasmid pYMB1 281.
antibiotic resistance, Pseudomonas aeruginosa, R factors, genes, translocations 9866.
antibiotic resistance, R-factors, transposons, Escherichia coli, Salmonella naestved, characterization, genetic analysis 4131
antibiotic resistance, Salmonella johannesburg, IncFI plasmid, incompatibility 9856.
antibiotic resistance, Salmonella typhi, isolation, typhoid fever, man 403.
antibiotic resistance, Salmonella typhimurium clinical isolates 7816
antibiotic resistance, Salmonella typhimurium, plasmids 402.
antibiotic resistance, Staphylococcus aureus 380.
antibiotic resistance, Staphylococcus aureus, man 406.
antibiotic resistance, Streptococcus faecium, R factors 7838.
antibiotic resistance, Streptococcus pneumoniae, strains, serotyping 9999
antibiotic sensitivity testing, Mycobacterium, clinical isolates 8756.
antibiotic sensitivity testing, Neisseria meningitidis 325.
antibiotic sensitivity testing, Pseudomonas aeruginosa, pyocin typing, aeruginocine 8785.
antibiotic sensitivity testing, Salmonella, isolates 8759.
antibiotic sensitivity testing, Shigella dysenteriae, Shigella flexneri, Shigella boydii 6825.
antibiotic sensitivity testing, Streptococcus group D clinical isolates 5905
antibiotic synergism, cefoxitin, antibacterial activity, Enterobacteriaceae 362.
assays, Clostridium bifermentans, anaerobic plate method, methodology 2955
association, emulsan biosynthesis, Acinetobacter calcoaceticus 12697.
biosynthesis, characterization, Streptomyces venezuelae 11419.
Bordetella bronchiseptica drug resistance, association R factors, pigs juveniles 6850
clinical isolates, Bacteroides fragilis, antibiotic sensitivity testing 11386.
drug resistance, cations effects on, growth, Pseudomonas aeruginosa 9993
drug resistance, gram-negative bacteria, plasmids, role, membrane permeability 2597.
effects on ampicillin bactericidal activity, Haemophilus influenzae 6802.
effects on DNA repair, U.V. radiation, Escherichia coli 4191.
effects on enzymatic synthesis, nitrate reductase, Escherichia coli 6634.
effects on, Escherichia coli, tRNA binding sites, ribosomes 2711.
enhancement, Escherichia coli susceptibility, leukocytes (polymorphonuclear), in vitro 530
Escherichia coli, coliforms, R factors, agar diffusion test 6751.
Escherichia coli, Klebsiella, antibiotic resistance 384.
Escherichia coli, temperature-sensitive mutant, post-replication, DNA repair, U.V. radiation 1426.
Gluconobacter oxydans, effects on levansucrase biosynthesis 12617.
Haemophilus influenzae, antibiotic sensitivity testing, susceptibility, role, penicillinase 3009.
induction, Streptomyces venezuelae, catabolite repression 7446.
intravenous administration, oral administration, pharmacokinetics, treatment, Haemophilus influenzae, meningitis, infants, man 2133.
leukocytes (polymorphonuclear), transport, antibacterial activity, infection, Haemophilus influenzae 6792.
meningitis treatment, role, administration routes, children 900.
Mycoplasma, antibiotic resistance 3056.
Mycoplasma, antibiotic resistance 3057.
Neisseria gonorrhoeae, antibiotic sensitivity testing 1728.
± neomycin± oxyterracin± streptomycin, antibiotic resistance, Escherichia coli, Salmonella, intestinal microflora, animals 3074
resistance, association, abscesses, meningitis, Salmonella typhimurium, man 10428.
resistance, Bacillus subtilis, gene expression, role, transposon Tn9 8811.
Salmonella typhi, Salmonella paratyphi, antibiotic resistance, agar dilution test 3044.
Serratia marcescens, infection, antibiotic resistance, hospitals, neonates, man 3069
Serratia marcescens, resistance mechanisms, role, chloramphenicol acetyltransferase 8804.
Staphylococcus.aureus, antibiotic resistance 11441.
Staphylococcus aureus, antibiotic resistance, plasmid pC194, nucleotide sequence, gene mapping 6745.
Staphylococcus aureus, antibiotic sensitivity testing 3107.
Streptococcus pneumoniae, antibacterial activity, in vitro 389.
Chloramphenicol, (continued)
susceptibility, Haemophilus pleuropneumoniae, animal isolates, pneumonia, pigs 5904.
treatment, Bordetella bronchiseptica, peritonitis, opportunistic infection, man, case reports 2296
treatment, cellulitis, Haemophilus influenzae, man, case reports 689.
treatment, furunculosis, Parasalmo gairdnerii 10663.
treatment, furunculosis, Salmonidae 12057.
treatment, genital tract infection, bacteria, females, man 2093.
treatment, Haemophilus influenzae, Bacteroides fragilis, infection, man 3463.
treatment, Haemophilus influenzae meningitis, children 7060.
treatment, meningitis, children, Haemophilus influenzae infection 10424.
treatment, Salmonella typhi, osteomyelitis, spine, man 3439.
Chloramphenicol acetyltransferase,
localization, spores, Streptomyces griseus, activity 11374.
Pseudomonas aeruginosa, characterization, antibiotic resistance, chloramphenicol 1750.
Serratia marcescens, role, chloramphenicol resistance mechanisms 8804.
p-Chloraniline,
pseudomonas biodegradation 9633.
Chlorate,
drug resistance, Escherichia coli, role, trimethylamine N-oxide reductase 2681.
Rhizobium japonicum, resistant mutant, nitrate reductase, molybdate, effects on 1542
Chlorella,
detritus, decomposition, bacteria, community composition 3866
Chlorella vulgaris,
bacteria symbiosis, nutrient requirements 98.
growth inhibitors, antibacterial activity, bacteria 10045.
Chlorhexidine,
antibacterial activity, bacteria contamination, skin cleaning products 446.
antibacterial activity comparison, N-chloramine compounds, in vitro, in vivo 5961.
disinfectants, contamination, Serratia marcescens, drug resistance, hospitals 3114.
drug resistance, Pseudomonas aeruginosa, man clinical isolates 3111.
drug resistance, Staphylococcus aureus, clinical isolates 8865.
effects on dental plaque, man 5278.
effects on dental plaque, oral microflora, monkeys 5446.
effects on DNA biosynthesis, Escherichia coli, Bacillus subtilis, Micrococcus lysodeikticus 8486
effects on Streptococcus, lactobacillus, saliva, dental plaque, man 728.
mouthwashes, effects on, dental plaque, gingivitis, bacteria, children 11684.
mouthwashes, inhibition, dental plaque, man 712.
topical application, effects on dental caries, oral microflora, rats 1962
treatment, saliva Streptococcus mutans, children man 6160.
Chlorhexidine diacetate,
antibacterial activity, Bacillus megaterium, effects on cell membranes 10039.
Chlorhexidine digluconate,
dosage, effects on, dental plaque, gingivitis, man, clinical trials 3297.
+glycerin, teat dips, prophylaxis, Staphylococcus aureus mastitis, cattle 5453.
mouthwashes, oral hygiene, effects on, gingivitis, dental plaque, man, clinical trials 3296.
Chlorhexidine gluconate,
mouthwashes, alexidine, dental plaque, saliva bacteria, man 733.
mouthwashes, effects on, dental plaque, dental calculus, children 3292.
treatment, Staphylococcus periodontitis, man 11690.
Chloridazon,
biodegradation, bacteria, tyrosine, biosynthesis, arogenate dehydrogenase 10990.
biodegradation, bacteria, tyrosine biosynthesis, association, arogenate intermediates 11097.
Chloride peroxidase,
chlorite reaction kinetics, Caldariomyces fumago 4908.
Chlorination,
effects on skin mycobacteriosis, epidemiology, swimming pools, man, France 3276.
Chlorine,
pollution effects, community composition, streams 9487.
resistance, bacteria, drinking water isolates 12962.
resistance, development, Escherichia coli 454.
sanitizers, antibacterial activity, Salmonella typhimurium, Streptococcus faecalis, eggs, washing, factors affecting 3079.
Chlorine dioxide,
antibacterial activity, soft rot, Erwinia carotovora, Solanum tuberosum 3657.
drug sensitivity testing, Escherichia coli, relationship, growth conditions 12939.
Chlorite,
chloride peroxidase reaction kinetics, Caldariomyces fumago 4908.
4-Chloro-2-methylphenoxyacetic acid,
biodegradation, soil microorganisms 9464.
4-Chloro-3,5-dinitrobenzoic acid,
Chlamydomonas, degradation 1406.
2-N-Chloroamino-2-deoxypentitol 1,5-bisphosphate,
photoaffinity labelling ribulosebisphosphate carboxylase, Rhodospirillum rubrum 11178.
3-Chlorobenzoate,
biodegradation, Pseudomonas, plasmids transfer Alcaligenes 7459.
oxidation, Acinetobacter calcoaceticus, physiology 10988.
4-Chlorobiphenyl,
biodegradation, bacteria, metabolism, intermediates 12382.
Chlorobium limicola,
adenosinetriphosphatase, membrane potential, role, energy transduction 12321.
glutamine synthetase activity 9727.
membrane vesicles, photosynthesis, hydrogen production 8471.
reaction centers, bacteriopheophytin c, spectroscopy, C.D. 4779.
Chlorobium phaeobacteroides,
uptake, metabolism, organic compounds, lakes isolates, Israel 2649.
Chlorobium thiosulfatophilum,
cytochrome c, electron transfer, redox properties 12473.
Chloroflexus aurantiacus,
bacteriochlorophyll biosynthesis, anaerobic conditions 142.
chlorosomes, plasma membranes, bacteriochlorophyll, characterization, fluorescence, C.D., linear dichroism, E.S.R. 8479.
chlorosomes, plasma membranes, purification, light effects on bacteriochlorophylls 6548.
chlorosomes, ultrastructure 4723.

Chloroform,
  biodegradation, soil microorganisms 7431.
1-Chloronaphthalene,
  metabolism, Pseudomonas, growth association 9638
2-Chloronaphthalene,
  metabolism, Pseudomonas, growth association 9638.
γ-Chloronorvaline,
  biosynthesis, Streptomyces griseosporeus, structure, antibacterial activity, Pseudomonas aeruginosa 5038.
Chloropentaammineosmium(III) chloride,
  binding, cell walls, electron microscopy, Bacillus subtilis 9580.
Chlorophenol,
  marine environment, sand, effects on microorganisms 10803.
4-Chlorophenol,
  biodegradation, Pseudomonas, plasmids transfer, Alcaligenes 7459.
Chlorophyceae,
  extracts, antibacterial activity 5141.
Chlorophyll,
  biosynthesis, association, protoporphyrinogen oxidation, Rhodopseudomonas sphaeroides 5687.
Chlorophyll a,
  photosynthesis, Oryza sativa, cultivars, susceptibility, Xanthomonas oryzae, blight, effects on 3666.
  reaction centers, role, electrons Acceptors, Prostecochloris aestuarii, E.S.R., spectroscopy 7489.
Chlorophyll b,
  photosynthesis, Oryza sativa, cultivars, susceptibility, Xanthomonas oryzae, blight, effects on 3666.
  reaction centers, orientaton magnetic fields optical properties, Rhodopseudomonas viridis 8475.
Chlorophylls,
  photorophic bacteria, chromatophores, quantitation, bacteria 11035.
Chloroplasts,
  Chlamydomonas reinhardtii, DNA nucleotide sequence homology, elongation factor Tu genes, Escherichia coli 11041.
  coupling factor B, immunoassays 4250.
  rRNA 4.5S, Zea mays, nucleotide sequence, homology rRNA 23S Escherichia coli 2706.
  Spinacea oleracea, DNA, binding, Escherichia coli RNA polymerase 193.
  Spinacea oleracea, thioredoxin, activation phage T7 DNA polymerase, comparison Escherichia coli 5002.
4-Chloropyrocatechol,
  inhibition, catechol 2,3-dioxygenase, Alcaligenes faecalis 12684.
Chloroquine,
  treatment, leprosy, man 5272.
Chlorosis,
  Arachis hypogaea, effects on, Rhizobium nitrogen fixation 5530.
  Arachis hypogaea, nodulation, nitrogen fixation, Senegal 9445.
  leaves, Pseudomonas tabaci, toxins, inactivation, glutamine synthetase, wildfire, Nicotiana tabacum 3138.
Chlorosomes,
  Chloroflexus aurantiacus, ultrastructure 4723.
  plasma membranes, bacteriochlorophyll, characterization, fluorescence, C.D., linear dichroism, E.S.R., Chloroflexus aurantiacus 8479.
  purification, light effects on bacteriochlorophylls, Chloroflexus aurantiacus 6548.
Chlorphentermine,
  effects on macrophages, phagocytosis, bactericidal activity, Staphylococcus aureus, rats 6107.
Chlorpromazine,
  effects on conjugation, plasmids transfer, F'lac factor, R factors, pili, Escherichia coli 5971.
  effects on Staphylococcus aureus ultrastructure 5976.
  induction intestine epithelium shedding, association, Escherichia coli enterotoxins diarrhea, rats 11517.
  treatment, Escherichia coli enterotoxemia diarrhea, animal models mice 6201.
  treatment, Vibrio cholera, diarrhea, children 11785.
Chlortetracycline,
  antibiotic prophylaxis, Aves, psittacosis, detection methodology 7806.
  topical application, treatment, Chlamydia trachomatis, infection, eye, man 3445.
Chocolate,
  isolation, Salmonella, comparison, media (enrichment), standards 3758.
Cholangitis,
  association, bile bacteriology, geriatrics 4519.
  bacteria, clinical aspects, treatment, man 11998.
  Escherichia coli, Pseudomonas aeruginosa, association, enterostomy, treatment, cotrimoxazole, case reports, infants, man 7023.
  etiology, bacteria, clinical aspects, man 3481.
Cholecystectomy,
  association, bile bacteria, antibiotics prophylaxis septicemia, man 9311.
  association gas gangrene, Clostridium perfringens, man, case reports 6299.
  association, Salmonella paratyphi, paratyphoid, epidemiology, clinical aspects, man 10375.
Cholecystitis,
  association, bacteremia, Vibrio metschnikovii, peritonitis, man, case reports 3485.
  association, Campylobacter fetus, infection, diagnosis, man, case reports 4472.
  rabbits, experimental infection, Escherichia coli, detection, antibody-coated bacteria, bile 8990.
  treatment, cotrimoxazole, man 5436.
  Vibrio isolation, biochemical characteristics 5596.
Choledochlithiasis,
  man, biliary tract, clearance bacteria, ceftizoxime treatment 10545.
Cholera,
  animal models, neonates, mice 11771.
  association, diarrhea, recovery, nitrogen balance, children 826.
  association, water supplies, man, Bangladesh 5317.
  defense mechanisms, immunity, man 6897.
  disease resistance, Vibrio cholerae toxins activation adenylate cyclase, animal models, mice 6872.
  disease transmission, role, Vibrio cholerae, attachment, Eichornia crassipes, disease transmission 4648.
  electrolyte balance, man 812.
  epidemics, man, South Africa 2284.
  epidemiology, immunity, vaccines, man, reviews 11776.
  experimental infection, pathology, neonates, germfree mice 822
Cholera, (continued)
  incidence, man, refugees, Thailand 3363.
  man, detection methodology, Vibrio cholerae strains, lysogeny, phage κ 8455.
  man, disease transmission, surface water 13160.
  man, epidemics, Vibrio cholerae biotypes 13168.
  outbreaks, man, Bahrain 5320.
  pathogenicity, role, Vibrio cholerae enterotoxins subunits, animal models 10111.
  presentation, infection, Aeromonas sobria, characterization, case reports, females 7201.
  toxins, reviews 11483.
  toxins, subunits, amino acid sequence 4229.
  toxins, transport pathway, cell membranes invaginations 6018.
  transmission (horizontal) man, Malaysia 6205.
  vaccines, Vibrio cholerae enterotoxins genes use 7654.
  Vibrio cholerae, antitoxins, immunoglobulin G, enzyme-linked immunosorbent assay, experimental infection, man 1849.
  Vibrio cholerae, tetracycline prophylaxis, epidomics association, man 10367.
  water role transmission, man 11755.
Cholestasis,
  bile duct, association, sepsis, histopathology, man, case reports 11891.
  relationship, urinary tract infection, association, pregnancy, man 13208.
Cholesterol,
  alveolysin interaction, sulfhydryl groups chemical modification effects on 11477.
  analogs, membranes, differential scanning calorimetry, Mycoplasma capricolum 3824.
  biodegradation, bacteria 12364.
  derivatives, side chains, cleavage, Mycobacterium phlei, immobilized cells 7457.
  effects on Mycobacterium lepraemurium growth 4761.
  role, Mycoplasma arginini membranes phospholipids crystallization 11237.
Cholesterol esterase,
  Pseudomonas fluorescens, purification 8576.
Cholesterol oxidase,
  activity, association, Streptomyces lavendulae variants 11220.
  physicochemical properties, characterization, Nocardia rhodochrous 9748.
  Pseudomonas fluorescens, purification 8576.
Cholic acid,
  bacteria, tumorigenesis enhancement, rats, reviews 13368.
  chemical modification, gram-postive bacteria 9660.
  conversion, intestinal microflora, Eubacterium lentum 6531.
  dehydrogenation, Clostridium bifermentans, inhibitors, characterization 9616.
Choline,
  association, phage Dp-1 receptors, Streptococcus pneumoniae 12304.
  uptake, in vitro, brain, rats, toxins, Clostridium botulinum type C, Clostridium tetani, effects on 3134.
Chorioamnionitis,
  Haemophilus parainfluenzae, man, case reports 5414.
Chorismate mutase,
  Brevibacterium flavum, association, concentration, phenylalanine tyrosine, tyrosine biosynthesis 3987.
  inhibition, Enterobacter aerogenes 7556.
  prephenate dehydrogenase, kinetics, mechanisms, Escherichia coli 8584.
  prephenate dehydrogenase, purification, characterization, Escherichia coli 8583.
  substrate specificity, Escherichia coli, Streptomyces aureofaciens 9751.
Choristoneura fumiferana,
  Bacillus thuringiensis δ-endotoxin
Choroid,
  lesions, association, lung tuberculosis, infants, man, case reports 9123.
Chromatin,
  mRNA transcription, comparison RNA polymerase Escherichia coli, RNA polymerase II wheat germ 4823.
  transcription, RNA polymerase, nucleosomes, models, Escherichia coli 11082.
Chromatium,
  association algal mats, vertical distribution, salt marshes, Mexico 8231.
  ferredoxin, comparison Clostridium pasteurianum 3934.
Chromatium minutissimum,
  chromatophores, bacteriochlorophylls, redox properties 4790.
  cytoplasmic membranes, freeze-fracture, membrane structure 10958.
Chromatium okenii,
  population dynamics, ponds, water quality 10807.
Chromatium vinosum,
  bacteriochlorophyll a proteins, complex, C.D. 3867.
  calcium transport, chromatophores 3819.
  chromatophores, iron-sulfur centers, role photosynthesis, E.S.R. 4781.
  chromatophores, reaction centers, quinones, bacteriochlorophylls orientation, E.S.R. 3879.
  comparison, Rhodopseudomonas capsulata, Oscillatoria tenuis, cladophora fracta, carbon dioxide reductase, hydrogenase, activity 12594.
  cytochrome c, redox potential 9708.
  hydrogenase, active sites, E.S.R. 11171.
  iron-sulfur proteins, redox properties 4847.
  photophosphorylation, phosphorus-31, N.M.R. 11027.
  quinone analogs inhibition iron-sulfur centers, photosynthesis 7484.
  ribulose bisphosphate carboxylase, mechanisms, 2-carboxyarabinitol bisphosphate interaction 4923.
  ribulosebisphosphate carboxylase, purification, methodology 1498.
  sodium, efflux, active transport, α-aminoisobutyric acid 3815.
Chromatography,
  assays, bacteria surface charge 4728.
  fatty acid composition, Ectothiorhodospira 12716.
  fatty acid composition, Xanthomonas 12722.
  purification, DNA, Col E1, Escherichia coli 5891.
  purification, Streptococcus group A polysaccharides antigens 224.
  separation techniques, ubiquinone, bacteria 6545.
  Streptomyces cinnamomeus phospholipase D 12633.
  triacylglycerol lipase, purification, Staphylococcus aureus 4057.
Chromatophores,
  adenosinetriphosphatase activation, nucleotides binding, magnesium effects on, Rhodospirillum rubrum 6554.
  adenosinetriphosphatase activation, protonmotive force, ADP binding, Rhodospirillum rubrum 6553.
  adenosinetriphosphatase, role subunits protons uptake, ATP biosynthesis, Rhodospirillum rubrum 6557.
  ADP transport, Rhodopseudomonas capsulata 3876.
  bacteriochlorophylls, redox properties, Rhodospirillum rubrum, Rhodopseudomonas sphaeroides, Chromatium minutissimum 4790.
  calcium transport, Chromatium vinosum, Rhodospirillum rubrum 3819.

- **hromatophores, (continued)**
  - cytochrome b, reduction, NADH effects on, Rhodospirillum rubrum 1415.
  - hydration effects on electron transport, Rhodospirillum rubrum 12475.
  - iron-sulfur centers role photosynthesis, E.S.R., Chromatium vinosum 4781.
  - light-harvesting proteins, amino acid sequence, Rhodospirillum rubrum 2731.
  - membrane potential effects on luminescence, Rhodospirillum rubrum 5686.
  - membrane potential production, Rhodospirillum rubrum 12281.
  - membranes proteins organization, reaction centers, cross-linking, Rhodospirillum rubrum 3921
  - merocyanine dyes effects on membrane potential, spectroscopy, Rhodopseudomonas sphaeroides 3814.
  - orientation membranes, Halobacterium halobium 5692
  - pH, membrane potential assays, Rhodospirillum rubrum 3825.
  - photorophic bacteria, bacteria, chlorophylls, quantitation 11035.
  - photosynthetic apparatus, Rhodospirillum rubrum, I.R. spectroscopy 12489.
  - protein composition, Rhodopseudomonas sphaeriodes 8481.
  - protonmotive force regulation respiration, Rhodopseudomonas capsulata 12471.
  - reaction centers, quinones, bacteriochlorophylls orientation, E.S.R., Rhodopseudomonas sphaeroides, Chromatium vinosum 3879.
  - reaction centers, rotation mobility, linear dichroism, Rhodospirillum rubrum 3880.
  - Rhodopseudomonas capsulata, electron transport chain, energy transduction, anaerobic conditions, dimethyl sulfoxide 5684.
  - Rhodopseudomonas sphaeroides, membrane fusion, function 11029.
  - Rhodopseudomonas sphaeroides, pH gradients 146.
  - Rhodopseudomonas sphaeroides, ubiquinol-cytochrome c reductase, ubiquinone, reaction centers 4782.
  - Rhodospirillum rubrum, quinone effects on photochemistry 7851.
- **Chromatum vinosum,**
  - , nitrogenase, dissolved oxygen, effects on 1548.
- **Chromis punctipinnis,**
  - vibriosis, Vibrio damsela sp.nov. 7261
- **Chromium(III),**
  - effects on, ferredoxin, oxidation, kinetics, Clostridium pasteurianum 11025
- **Chromium,**
  - concentration, Melice crassa, role, bacteria 6389.
  - inhibition, growth, Escherichia coli 11464
  - pollution effects, soil microorganisms, bacteria 1174.
  - reduction, sulfate-reducing bacteria hydrogen sulfide, marine environment 2495.
- **Chromobacteria,**
  - epidemiology, rivers 1245.
- **Chromobacterium,**
  - mixed culture, biodegradation, sodium sulfite, sodium lignosulfonate 8397.
  - septicemia, presentation, respiratory distress syndrome, man, case reports 2310.
- **Chromobacterium violaceum,**
  - biosynthesis, antibiotic SQ 26,180, antibacterial activity 7727.
  - infection, presentation, man, case reports 5383
  - β-lactam antibiotics biosynthesis, radioactive labelling 8754.
  - opportunist infection, diagnosis, man, Papua New Guinea 11950.
- **Chromomycin A_3,**
  - +amphotericin B, antibacterial activity, Bacillus subtilis, in vitro 1740.
- **Chromomycin A3,**
  - use, identification, Rhodococcus, Mycobacterium, Nocardia, susceptibility 5935.
- **Chromonychia,**
  - Pesudomonas aeruginosa, nails pathology, man, case reports 2262.
- **Chromophores,**
  - characterization, methylreductase, Methanobacterium 7491.
  - retinal, orientation, bacteriorhodopsin, purple membranes, fluorescence, Halobacterium 4789.
  - retinylidene, characterization lysine attachment sites, bacteriorhodopsin, purple membranes, Halobacterium 4776
- **X chromosome,**
  - mice, spleen, lymphocytes B, immune response, Staphylococcus aureus protein A effects on 8974.
- **Chromosome aberrations,**
  - Pseudomonas aeruginosa, gene mapping, role, drug resistance, nalidixic acid, β-lactam antibiotics 10057.
- **Chromosomes,**
  - bacteria, plasmids, function, effects on 2917.
  - defects, Bacillus subtilis, trepE gene, gene mapping 2849.
  - Escherichia coli, duplications, dnaB gene frequency 4966.
  - Escherichia coli, replication, relationship, growth rate 3842.
  - genetic analysis, Escherichia coli 1633.
  - hosts, degradation defects, association, tar gene mutants, phage T1 4124.
  - penicillinase, active sites, amino acid sequence, Pseudomonas aeruginosa, Escherichia coli 9744.
  - Pseudomonas aeruginosa, insertion sequences, restriction endonuclease mapping 12520.
  - Pseudomonas putida, role, naphthalene, salicylate, metabolism 283.
  - replication, association, sporulation, Bacillus subtilis 1394.
  - replication, cell walls, growth, coupling, gram-positive bacteria 1345.
  - replication termination, association, gene localization, Escherichia coli periplasmic space proteins 12793.
  - transfer, conjugation, kinetics, mathematical models, Escherichia coli 242.
  - transfer, R factors, Escherichia coli, plasmid RP4 5885.
- **Chronic granulomatous disease,**
  - cotrimoxazole, effects on, leukocytes (neutrophilic), microbicidal activity, Staphylococcus aureus, man 6840.
  - Staphylococcus recurrent infection, association, muscular dystrophy, children, case reports 10469.
- **Chronic infection,**
  - HeLa cells, Chlamydia trachomatis 19.
- **Chronic lymphatic leukemia,**
  - association, Mycobacterium kansasii disseminated infection, man, case reports 690
- **Chronic myeloid leukemia,**
  - man, blood coagulation, bacteria, endotoxins, effects on 3143.
- **Chronobiology,**
  - bacteria, growth, cell cycle, gene regulation 10978.
- **Chylamydia trachomatis,**
  - nosocomial infection, pathogens, new records, man, characterization 10510.
- **Chymotrypsin,**
  - proteolysis, pyruvate dehydrogenase (lipoamide) multienzyme complexes, N.M.R., Bacillus stearothermophilus 11168.
- **Cicatrin,**
  - ointments, treatment, impetigo, man 1936.
- **Cicer arietinum,**
  - nodulation, nitrogen fixation, phosphorus, zinc effects on 10764.
  - nodulation, nitrogen fixation, prometryne, simazine effects on 7331.
  - nodulation, Rhizobium, effects on roots growth 2473.
  - Rhizobium isolates, cultural characteristics, biochemical characteristics 13501.
  - root rot, Rhizoctonia bataticola antagonists, biological control 6424.
  - seed treatments, effects on Rhizobium nodulation 7321.
- **Ciclopiroxolamine,**
  - antibacterial activity, therapeutic applications 5984
- **Cigarette smoking,**
  - effects on respiratory tract microflora, role bronchitis, man 6143.
- **Cilia,**
  - trachea, Haemophilus influenzae, lipopolysaccharides, effects on, rabbits, animal models 11751.
- **Ciliary movement,**
  - respiratory tract, Bordetella bronchiseptica effects on, animal models 3345.
  - trachea organ culture, Mycoplasma effects on, chickens, mice 11704.
- **Cimetidine,**
  - effects on bacteria growth, association, gastric juice, surgery, man 10984.
  - effects on brucellosis, case reports, gastrointestinal tract, man 13170.
  - effects on gastrointestinal tract microflora, man 6140.
  - effects on, microflora, postoperative infection, duodenum, man 2037.
- **Cinnamic acid,**
  - biodegradation, microorganisms, streams, ground water 9491.
- **Cinnamomum sieboldii,**
  - cinnamyl esters, hydrolysis, Escherichia coli 5674.
- **Cinnamyl acetate,**
  - Escherichia coli hydrolysis, Cinnamomum sieboldii 5674.
- **Cinnamyl butyrate,**
  - Escherichia coli hydrolysis, Cinnamomum sieboldii 5674.
- **Cinnamyl capproate,**
  - Escherichia coli hydrolysis, Cinnamomum sieboldii 5674.
- **Cinnamyl formate,**
  - Escherichia coli hydrolysis, Cinnamomum sieboldii 5674.
- **Cinnamyl propionate,**
  - Escherichia coli hydrolysis, Cinnamomum sieboldii 5674.
- **Cinnamyl valerate,**
  - Escherichia coli hydrolysis, Cinnamomum sieboldii 5674.
- **Cinodine,**
  - antibacterial activity, mechanisms, Escherichia coli 1742.
- **Cinoxacin,**
  - antibacterial activity, urinary tract infection, man, DNA biosynthesis inhibition 8829.
  - comparison, nalidixic acid, treatment, urinary tract infection, man 9159.
  - treatment, bacteria infection, pharmacokinetics, man 13306
  - treatment, gram-negative bacteria, infection, urinary tract, man 874.
  - treatment, urinary tract infection, geriatrics 13195.
  - treatment, urinary tract infection, man 846.
  - treatment, urinary tract infection, man 3402.
  - treatment, urinary tract infection, man 13194.
  - treatment, urinary tract infection, man 13196.
  - treatment, urinary tract infection, man, conferences 13550.
  - treatment, urinary tract infection, pH effects on antibacterial activity 5966.
- **Circhorium intybus,**
  - vascular system pathology, Pseudomonas fluorescens, plant diseases 5499.
- **Circular intensity differential scattering,**
  - identification, association, DNA, packaging, bacteria 12244.
- **Circulation,**
  - dynamics, endotoxins effects on, gram-negative bacteria, septic shock, rats 3152.
  - host response, association, sepsis, man 7156.
  - phenylphrine treatment effects on, bacteria sepsis, man 13336.
- **Circulatory system,**
  - lung, sheep, streptococcus group B endotoxins effects on 492.
  - shock, role, peritonitis, bacteria, man 3441.
- **Circumcision,**
  - complications, toxic epidermal necrolysis, Staphylococcus aureus, antibiotics treatment, neonates, man 11676.
- **Cirrhosis,**
  - association, peritonitis, man, Yersinia enterocolitica 2222
  - association, sepsis, metabolic disorders, pathology, clinical aspects, man 10549.
  - liver, association, bacteremia, peritonitis, man, Escherichia coli 944.
  - man, Enterobacteriaceae infection, endotoxins, antibodies levels 10233.
- **Cis-2-octenoyl-CoA reductase,**
  - reduction, stereochemistry, stereospecificity, Escherichia coli 12635.
- **Cis-crotylglycine,**
  - metabolism, role plasmid TOL, Pseudomonas putida 288.
- **Cis-N6-(4-hydroxy-isopentenyl)-2-methylthioadenosine,**
  - identification, tRNA, Salmonella typhimurium, Klebsiella pneumoniae, Serratia marcescens 12534.
  - tRNA identification, Salmonella typhimurium 12533.
- **Cis-platinum diamminodichloride,**
  - effects on DNA damage, Escherichia coli 4803.
  - effects on Escherichia coli DNA repair 8488.
  - mutagenesis, crowding depression, Escherichia coli 2865.
- **13-Cis-retinoic acid,**
  - treatment, acne, man 1948
- **Cis-vaccenic acid,**
  - biosynthesis, Escherichia coli mutants, association, temperature 12723.
- **Cistrons,**
  - isocitrate dehydrogenase (NADP+), gene mapping, Escherichia coli 11259.
- **Citellus lateralis,**
  - Staphylococcus aureus, disseminated infection 1064.
- **Citral,**
  - treatment, bronchitis, children 3316.
- **Citrate,**
  - induction, citrate lyase, acetolactate synthase, acetoin dehydrogenase, acetoin, Leuconostoc lactis, lactic acid bacteria 2667.
  - Klebsiella aerogenes, metabolism, citrate permease, growth rate, chemostats 2822.
  - metabolism, Streptococcus lactis subsp.diacetylacris, correlation, plasmids 240.
  - metabolism, Streptococcus lactis supsp.diacetylactis, enzymes, characterization 2778.
- **Citrate lyase,**
  - citrate, induction, Leuconostoc lactis, lactic acid bacteria 2667.
- **Citrate lyase ligase,**
  - citrate (pro-3S)-lyase complex, purification, characterization, Rhodopseudomonas gelatinosa 9770.

- **Citrate metabolism,**
  - Escherichia coli plasmids, relationship, chemotaxis, tricarboxylic acids 1668.
- **Citrate permease,**
  - Klebsiella aerogenes, citrate, metabolism, growth rate, chemostats 2822.
- **Citrate (pro-3S)-lyase,**
  - p-azidobenzoyl coenzyme A photoaffinity labelling, Klebsiella pneumoniae 11196.
  - citrate lyase ligase complex, purification, characterization, Rhodopseudomonas gelatinosa 9770.
  - purification, characterization, Clostridium sphenoides, electron microscopy comparison, Rhodopseudomonas gelatinosa, Streptococcus lactis subsp.diacetylactis 9771.
  - substrate specificity, antigenic relationship, Rhodopseudomonas gelatinosa, Rhodopseudomonas palustris 211.
  - subunit structure, structure-activity relationships, Rhodopseudomonas gelatinosa 9772.
- **Citrate (si)-synthase,**
  - Rickettsia prowazekii, purification, activity, characterization 6627.
  - tricarboxylic acid cycle, bacteria, catalysis, reviews 9732.
- **Citric acid,**
  - induction iron transport, Escherichia coli 3826.
  - levels, milk, cattle, mastitis, effects on 3622.
  - levels, milk, Staphylococcus aureus experimental infection effects on, cattle 7283
- **Citrobacter,**
  - antibacterial activity, antibiotic HR 756 1729.
  - antibacterial activity, cefotaxime, cephalosporins 5914
  - antibiotic sensitivity testing, N-formimidoyl thienamycin comparison β-lactam antibiotics 5902.
  - antibiotics activity, 7-hydroxytropolon 6773.
  - asparaginase, immobilization 206.
  - cervix microflora, man, association pregnancy 13071.
  - clinical isolates, antibacterial activity, temocillin 11408
  - clinical isolates, antibiotic sensitivity testing, penicillins, drug sensitivity testing, quinolones, co-trimoxazole 4175.
  - clinical isolates, capetimycin 8768.
  - clinical isolates, ceftazidime, antibacterial activity 5077.
  - drug resistance, mercury 456.
  - N-formimidoyl thienamycin, antibacterial activity, comparison, antibiotics 9938.
  - infection, treatment, antibiotic 6059-S, children 2316.
  - pathogenicity effects on, Beta vulgaris crop production 13451.
  - penicillinase biosynthesis, detection methodology 1515.
  - rhizosphere microorganisms, pathogenicity, Beta vulgaris crops, identification, characterization 6431.
  - soil isolates, nitrite reduction, production, ammonium, nitrous oxide 6419.
- **Citrobacter analonaticus comb.nov.,**
  - characterization 12266.
- **Citrobacter diversus,**
  - clinical isolates, identification, media (selective), kanamycin antibiotic resistance 1261.
  - man, central nervous system, symptoms, neonates, man, case reports 3406.
  - meningitis, outbreaks, hospitals, disease transmission, neonates, man 4443.
  - osteomyelitis, man, neonates, case reports 11898.
  - urinary tract infection, children, case reports 8003
- **Citrobacter freundi,**
  - urinary tract infection, cefotaxime treatment, man 6213.
- **Citrobacter freundii,**
  - antibacterial activity, aminoglycoside antibiotics 6783.
  - antibacterial activity, cefotiam 6800.
  - ATP pyrophosphatase, membranes, cytoplasm, thermodynamics 2764.
  - biodegradation, oils emulsions, physicochemical properties 11016.
  - clinical isolates, antibacterial activity, ceftazidime 5066.
  - colicin A biosynthesis, cytoplasm localization 4161.
  - colicin A cytoplasm, biosynthesis 4161.
  - continuous culture, fumarate+hydrogen, formate, ATP production 12454.
  - endodeoxyribonuclease CfrI, purification, substrate specificity 12510.
  - lipopolysaccharides, toxicity, structure 5176.
  - membrane filtration, counting methods, false-negatives 12212.
  - penicillinase, purification, characterization 1487.
  - phages, receptors, phage typing, Enterobacteriaceae 10919.
  - superoxide dismutase, catalase, activity, carbon sources effects on 11140.
  - tryptophan operon regulation regions, nucleotide sequence, comparison, Escherichia coli, Salmonella typhimurium 12522.
- **Citrobacter intermedius,**
  - growth, glutamic acid excretion, antibacterial activity, chloramphenicol 1739.
  - plasmids, isocitrate dehydrogenase, enzymatic activity, role, glutamate, excretion 2812.
- **Citrobacter koseri,**
  - antigenic characteristics 3181.
- **Citrulline,**
  - biosynthesis, Ectothiorhodospira shaposhnikovii, Rhodospirillum rubrum 12560.
- **Citrullus lanatus,**
  - cultivars, Pseudomonas pseudoalcaligenes subsp.citrulli infection, disease resistance 9401.
  - Fusarium wilt, antagonism, rhizosphere microorganisms 13469.
  - wilt, Fusarium oxysporum f.sp.niveum interaction Rhizosphere microorganisms 13470.
- **Citrus,**
  - blight, relationship Pierce's disease bacteria 13441.
  - frost damage, association, bacteria, nuclei, cold resistance 2560.
  - greening, bacteria like organisms, India 6395.
  - leaves, disease resistance, Xanthomonas campestris pv.citri infection 13439.
  - plant diseases, viruses, bacteria, fungi, incidence, Bolivia 9405.
  - symptoms, likubin, mycoplasma-like organisms isolation, tristeza virus effects on 10746.
- **Cladophora,**
  - antibiotics, antibacterial activity, Bacillus mycoides, Staphylococcus aureus 429.
- **Cladophora fracta,**
  - comparison, Chromatium vinosum, Rhodopseudomonas capsulata, Oscillatoria tenuis, carbon dioxide reductase, hydrogenase, activity 12594.
- **Classical pathway,**
  - complement, role, opsonization, phagocytosis, leukocytes, Escherichia coli 11630.
- **Classification,**
  - Actinomycetes 9532.
  - Aeromonas, association, enterotoxins biosynthesis 2551.
  - bacteria, breweries isolates, reviews 1290.
- **Classification, (continued)**
  - bacteria, taxonomy, nomenclature 10913.
  - Corynebacterium pyogenes, Corynebacterium haemolyticum, chemical analysis, peptidoglycans, menaquinones 9544.
  - Escherichia coli, R factors, incompatibility 9896.
  - R factors 12864.
  - leprosy, clinical aspects, man 10293.
  - microflora, pathogens, bacteria, characterization, man 11967.
  - Pediococcus, Aerococcus, milk ring test, gel diffusion 38.
  - Pfeifferella anatipestifer 24.
  - phage SAt2, lysogeny, Streptomyces azureus 270.
  - plasmids R-factor 11335.
  - Pseudomonas, methanol utilization strains 1289.
  - Rickettsia tsutsugamushi, antigenic characteristics, Trombiculidae isolates, Malaysia 1867.
  - Vibrio, association, malate dehydrogenase, glucose-6-phosphate dehydrogenase 4925.
- **Clavicle,**
  - Staphylococcus pyogenes, osteomyelitis, diagnosis, treatment, man, case reports, reviews 3545.
- **Clavulanic acid,**
  - +amoxicillin, antibacterial activity, treatment, urinary tract infection, respiratory tract infection, reviews 3038.
  - +amoxicillin, antibacterial activity, urinary tract, infection, man 11810.
  - amoxicillin, antibiotic synergism, in vivo, in vitro, Haemophilus influenzae 321.
  - ± , amoxicillin, treatment, experimental infection, bacteria, animals 10658.
  - +amoxicillin, treatment, urinary tract infection, Enterobacteriaceae, man 11826.
  - +amoxicillin, treatment, urinary tract infection, penicillin resistance bacteria, man 11805.
  - +amoxycillin, antibacterial activity, inhibition, penicillinase, Neisseria gonorrhoeae 4173.
  - +amoxycillin, treatment bronchitis, man 9090.
  - antibiotic synergism, amoxicillin, antibacterial activity, Haemophilus ducreyi, susceptibility 333.
  - +azlocillin, synergism, antibacterial activity, Pseudomonas aeruginosa 9951.
  - effects on Bacteroides, cefoperazone antibiotic resistance, penicillinase production 9994.
  - effects on penicillinase biosynthesis, Branhamella catarrhalis 5758.
  - inhibition, Escherichia coli, Bacillus megaterium, peptidoglycan transpeptidase 322.
  - inhibition, penicillinase, Klebsiella pneumoniae, Proteus mirabilis, Enterobacter cloacae 11166.
  - inhibition, penicillinase, Streptomyces cacaoi, Bacillus cereus, enzyme kinetics 2780.
  - Streptomyces clavuligerus, biosynthesis pathways 7754.
  - synergism, mecillinam, antibacterial activity 9960.
  - treatment, Neisseria gonorrhoeae infection, man 10410.
- **Clay,**
  - anaerobic conditions, denitrification, effects on nitric oxide 7335.
  - effects on, ozone disinfection, poliovirus, coxsackievirus, Escherichia coli, drinking water 5142.
  - immobilized enzymes, Myxococcus virescens, lytic enzymes, activity 12582.
  - industrial wastes, nitrogen cycle, ammonification, Agrostis tenuis, Festuca rubra, Trifolium repens 8176.
  - marine environment, sand, effects on microorganisms 10803.
  - minerals, proteins, soil microorganisms growth 8186.
- **Clays,**
  - minerals, effects on hexamethylene diamine biodegradation, Bacillus subtilis 12376.
  - minerals, effects on 1,6-hexanediamine biodegradation, Bacillus subtilis 10995.
- **Cleaning,**
  - effects on, filamentous microorganisms, fouling, metals surfaces, marine environment 4650.
  - products, skin, bacteria contamination, chlorhexidine antibacterial activity 446.
- **Cleaning systems,**
  - ± whirlpools, bacteria, disinfection, venous stasis ulcers, man 7177.
- **Clear cutting,**
  - forests, effects on soil microorganisms 12122.
  - forests, leaf litter decomposition, streams 13520.
- **Clearance,**
  - bacteria, biliary tract, ceftizoxime treatment, choledochlithiasis, man 10545.
  - Escherichia coli, association, immunization (passive), turkeys 9051.
- **Cleavage,**
  - endodeoxyribonuclease SciNI, purification, structure 9776.
  - Escherichia coli, RecA gene proteins, LexA gene proteins 3927.
- **Cleoxycytidine deaminase,**
  - activity, herpes simplex virus infected cells, association Mycoplasma infection 12071.
- **Climatic conditions,**
  - effects on, infection, Pierce's disease, bacteria, Vitis 9390
- **Clindamycin,**
  - analogs, antibacterial activity, anaerobic bacteria 9979.
  - antibacterial activity 9981.
  - antibacterial activity, bacteria susceptibility, man 11416.
  - antibacterial activity, Bacteroides fragilis 10034.
  - antibacterial activity, gingiva levels, man 374.
  - antibacterial activity, gram-positive bacteria 1716.
  - antibacterial activity, Staphylococcus aureus 9978.
  - antibiotic resistance, plasmids, Bacteroides fragilis, clinical isolates, transfer 3048.
  - antibiotic sensitivity testing, Bacteroides fragilis 6775.
  - assays, Clostridium bifermentans, anaerobic plate method, methodology 2955.
  - clinical isolates, Bacteroides fragilis, antibiotic sensitivity testing 11386.
  - clinical trials, abdomen surgery, antibiotic prophylaxis, incidence, wound infection, man 10531.
  - clinical trials, treatment, osteomyelitis, staphylococcus aureus, children 9309.
  - effects on intestinal microflora, mice 5450.
  - effects on Staphylococcus aureus virulence 8760.
  - +high-dose tobramycin, treatment, peritonitis, abdomen sepsis, bacteria, man 3465.
  - induction, enterocolitis, pathology, association, Bacillus pumilus, animal models 13181.
  - +josamycin, antibacterial activity, anaerobic bacteria infection treatment, man 10485.
  - metabolites, role pathogenesis pseudomembranous colitis, Clostridium difficile toxins, hamsters 11491.

lindamycin, (continued)
± moxalactam, antibacterial activity, Staphylococcus, Streptococcus, Enterobacteriaceae, susceptibility, in vitro 339.
prophylaxis, postoperative infection, Bacteroides fragilis, man 10606.
Propionibacterium acnes, antibiotic resistance 11439.
role, leukocytes (polymorphonuclear) phagocytosis Streptococcus pyogenes 10222.
Staphylococcus aureus, antibiotic resistance 11441
Streptococcus pneumoniae, antibacterial activity, in vitro 389.
+tobramycin, treatment, peritonitis, children 5404.
topical application, treatment, acne, man 682.
treatment, abdomen infection, anaerobic bacteria, man 11866.
treatment, acne, man 11661
treatment, acne, man, clinical trials 5275.
treatment, anaerobic bacteria infection, lung, pelvis, man 10344.
treatment, bacteria infection, man, conferences 10850
treatment, Bacteroides fragilis infection, rabbits 2184.
treatment, experimental infection, rabbits, Staphylococcus aureus endocarditis 9335.
treatment, gram-negative bacteria infection, man 10603
treatment gram-positive bacteria infection, man 10598.
treatment, otorhinolaryngeal infection, Staphylococcus, Streptococcus, man 2019.
treatment, pneumonia, children, institutions 5304.
treatment, Staphylococcus aureus, infection, bone, man, case reports 3524.

Clinical isolate,
Streptococcus, characterization, API-20 STREP evaluation 8279.

Clinical microbiology,
aerobic bacteria, anaerobic bacteria, clinical isolates, antibiotic sensitivity testing 12878.
anaerobic bacteria clinical isolates, identification, isolation, man 12231.
anaerobic bacteria, gram-positive cocci, identification 12229.
anaerobic bacteria, identification 5580
antibiotic sensitivity testing, bioassays 12880.
antibiotic sensitivity testing, clinical isolates 12884.
automated methods, books 13536
bacteria, clinical isolates identification 12228
bacteria clinical isolates identification, counter immunoelectrophoresis, fluorescent antibody test 12230.
bacteria, identification, nosocomial infection, man 9567
bacteria identification, veterinary medicine, methodology 4688
bacteria, immunological aspects, man, conferences 13033.
bacteria, serological tests, identification, infection, diagnosis, methodology, man, books 12192.
bacteria, specimens, handling, processing, methodology 10859
bactericidal activity, methodology 12938.
Chlamydia clinical isolates, culture, identification 12233.
clinical isolates, identification, Nocardia, Mycobacterium 12232.
computer applications, data processing 7374
diagnosis, specimens collection, methodology, man 13253.
gram-positive bacteria, identification 5578.
identification, gram-negative bacteria 5579.
methodology, isolation, identification, books 13534.
microscopy, observation methods, specimens staining, diagnosis, identification 13254.
Mycoplasma clinical isolates, identification 12234.
reagents, staining, tests, methodology 10873.
sampling, specimens, preservation, hospitals 12225.
specimens culture, diagnosis, identification 13255.

Clinical trials,
acne, treatment, clindamycin, man 5275.
acne, treatment, pyridoxine+antibiotics+immunotherapy, clinical trials, man 3272.
antibiotic CGP 9,000, urinary tract infection, immunocompromised hosts, diabetes mellitus, man 6227.
antibiotics prophylaxis, postoperative infection, man 10502.
bacampicillin, treatment, respiratory tract infection, man 10317.
bacampicillin treatment, respiratory tract infection, urinary tract infection, man 13123.
bronchitis, cephalexin, cefaclor, treatment, man 1994.
cefaclor treatment, Streptococcus, otitis media, pharyngitis, skin infection, man 13264.
cefazolin, ceftizoxime, bacteria 2321.
cefoperazone, antibacterial activity, infection, bacteria, man 8046.
cefoperazone, gastrointestinal tract infection, wound infection, bacteria, man 7986
cefoperazone, respiratory tract infection, Haemophilus influenzae, Enterobacteriaceae, man 7970.
cefoperazone, septicemia, bacteria, man 8050.
cefoperazone treatment, infection, gram-negative bacteria, gram-positive bacteria, man 10619
cefoperazone, urinary tract infection, bacteria, man 7996.
cefotaxime, antibiotic resistance, gram-negative bacteria, sepsis, man 7155.
cefotaxime, comparison, cefuroxime, urinary tract infection, man 6228.
cefotaxime, treatment, bacteria infection, man 11969.
chlorhexidine digluconate, dosage, effects on, dental plaque, gingivitis, man 3297.
clindamycin, nafcillin, methicillin, treatment, osteomyelitis, staphylococcus aureus, children 9309.
cotrimazine, comparison, cotrimoxazole, urinary tract infection, bacteria, man 7998.
cotrimazine, urinary tract infection, bacteria, man 7997.
erythromycin, enteritis, Campylobacter jejuni, man 9134.
gentamicin, clindamycin, antibiotic prophylaxis, abdomen surgery, incidence, wound infection, man 10531.
gonorrhea pili, immunogenicity, man, characterization 6058.
hydrogen peroxide, topical application, prophylaxis, postoperative infection, appendicitis, man 3457.
isoniazid, treatment, tuberculosis, man 13308.
leprosy, clofazimine, treatment, man 1940.
metronidazole, appendectomy, wound infection, man 13340.
metronidazole prophylaxis, appendectomy, association, postoperative infection, man 6291.
mezlocillin treatment, infection, man 13263.
mezlocillin, treatment, man, conferences 13541.
Neisseria gonorrhoeae, antibiotic resistance, diffusion tests 11436.
netilmicin, treatment, bacteria infection, man 11964.
netilmicin, treatment, urinary tract infection, man 11823.
oral hygiene, chlorhexidine digluconate, mouthwashes, effects on, gingivitis,

Clinical trials, (continued)
dental plaque, man 3296.
penicillin, antibiotic prophylaxis, abdomen trauma, man 10534.
piperacillin, antibacterial activity, urinary tract infection, gram-negative bacteria, man 9146.
pivmecillinam+pivampicillin, treatment, urinary tract infection, Enterobacteriaceae, man 10396.
pivmecillinam+pivampicillin, urinary tract infection, comparison, cotrimoxazole, man 6230
Salmonella typhi vaccines, typhoid fever, children 6125.
treatment, Brucella canis infection, dogs 12062.
treatment, septicemia, Pseudomonas, blood culture, detection, man 8072.
treatment, tuberculosis, lung, man, reviews 6186.
tuberculosis, treatment, man, Rumania 11909.
vaccination, gram-negative bacteria, nosocomial infection, bacteremia, man 11636.
vaccination, Haemophilus influenzae, relationship, age, children 11649.
vaccines, Neisseria meningitidis polysaccharides, immunological aspects, man 6121.

Clinics,
man, genital tract infection, Ureaplasma urealyticum, incidence 9148.

Cloacins,
Enterobacter cloacae, Escherichia coli, receptors proteins, role iron uptake 8368.

Clofazimine,
analogs, antibacterial activity, Mycobacterium leprae, mice 1770.
antagonism, dapsone, treatment, leprosy, man 11675.
antibacterial activity, Mycobacterium intracellulare 4212.
leprosy, treatment, clinical trials, man 1940.
Mycobacterium leprae antibiotic resistance, man, leprosy 12936.

Clones,
DNA, Escherichia coli, association proteins antigens, immunoassays, detection 7902
fragments, gene products, plasmid λdapB2 11323.
mal T gene, Escherichia coli, operons, promoters, nucleotide sequence, gene products, identification, purification 11062.
pgsA gene, Escherichia coli, phosphatidylglycerophosphatase levels 1602.

Cloning,
arabinose promoter promoters multiple forms, DNA nucleotide sequence, Escherichia coli 11264.
asd gene, Escherichia coli 6695.
Bacillus licheniformis, sporulation genes, pBD64 plasmid 264.
Bacillus subtilis α-amylase, phage ρ11, role 5824.
BK virus DNA, Escherichia coli 1596.
copB gene, characterization, R factor R1, Escherichia coli 12811.
crp gene, nucleotide sequence, Escherichia coli 4104.
crp gene, nucleotide sequence, Escherichia coli 4109.
cystathionine β-lyase, deletion mutant, Escherichia coli 7546.
DNA, enterotoxins genes, hybridization analysis, Vibrio cholerae 11258.
DNA, methodology 4143.
DNA, use transformation, Streptococcus pneumoniae 4968.
cDNA, Escherichia coli, uvrC gene, plasmid pUV7, restriction endonuclease mapping 11045.
enterotoxins genes, Vibrio cholerae 8876.
Escherichia coli, DNA, enterotoxins 6688.
Escherichia coli, dnaE gene+plasmid pBR322, gene products 12775.
Escherichia coli genes, phosphoenolpyruvate, amino acid sequence, nucleotide sequence 7652.
Escherichia coli, genes, prorennin, cattle 4095.
Escherichia coli, genes, restriction endonuclease mapping 12759.
Escherichia coli pheR gene 12801.
Escherichia coli, plasmids, gene products, membranes, proteins, immunity, colicins 3071.
Escherichia coli, plasmids, glg gene, asd gene, gene mapping, gene expression 6713.
Escherichia coli, R factor R1162, gene mapping 6742.
Escherichia coli, rho gene, gene mapping 12772.
Escherichia coli, trpS gene, characterization, nucleotide sequence 2941.
Escherichia coli use, somatotropin biosynthesis 9811.
Escherichia coli, uvrA gene, transposons 1599.
Escherichia coli uvrC gene 1622.
foot-and-mouth disease virus antigens, Escherichia coli, vaccination, antibody response, goats 9828.
foot-and-mouth disease virus genomes, Escherichia coli 9829.
function, hemolysins determinants plasmids, Escherichia coli 12779.
genes, Saccharomyces cerevisiae, Neurospora crassa, expression, Escherichia coli 11263.
genetic engineering, Escherichia coli ribosomes recognition sites, role regulation translation 12536.
genomes replication origin, Escherichia coli 8700.
gentamicin, antibiotic resistance, genes, Pseudomonas aeruginosa, plasmid pMG35, Escherichia coli 9825.
globin genes, cDNA, chickens, plasmid pMB9 4144.
hepatitis A virus genomes, plasmids, bacteria 9870.
β-hydroxydecanoyl thioester dehydrase genes, methodology gene amplification, Escherichia coli 4969.
iaaM gene, Pseudomonas savastanoi, characterization, Virulence determinants 5837.
initiation factor 2 genes, Escherichia coli 12749.
Klebsiella pneumoniae nif gene, use, Saccharomyces cerevisiae 1605.
Klebsiella pneumoniae, nitrogenase complementation, nif gene, role, Rhizobium nitrogen fixation 8688.
leu 2 gene, leu B gene, pEH25 plasmid, Saccharomyces cerevisiae, Escherichia coli 243.
methionine operons, restriction endonuclease mapping, gene mapping, Escherichia coli 12783.
OmpA gene proteins, membranes, Escherichia coli, Shigella dysenteriae, Enterobacter aerogenes, Serratia marcescens 6608.
ornithine carbamoyltransferase genes, Saccharomyces cerevisiae 5865.
phage SP01, DNA, fragments, expression, Bacillus subtilis 11303.
phoB gene, phoRgene, Escherichia coli 7650.
phoE gene, Escherichia coli 7658.
plasmid pED806, F factors replication origin incorporation 11316.
plasmid pMB9, Escherichia coli, Bacillus subtilis, penP gene, penI gene, Bacillus licheniformis 1604.
plasmid pTiC58, Agrobacterium tumefaciens, protein biosynthesis, Escherichia coli 5870.
plasmid Rts 1, bacteria 12830.

Cloning, (continued)
- plasmids, Haemophilus influenzae Escherichia coli, recombination defective mutant 12769.
- plasmids, str operon Escherichia coli 6701.
- Proteus mirabilis recA gene, use plasmid pBR322 4975.
- pyrI gene, Escherichia coli 12507.
- recB gene, recC gene, endodeoxyribonuclease V, purification, characterization, Escherichia coli 5840.
- restriction endonuclease inhibitor genes, phage T4, lysogenization, mapping, Escherichia coli 7673.
- mRNA poly(A)-containing, DNA polymerase (RNA-dependent), avian myeloblastosis virus, cDNA, Bacillus subtilis 11039.
- rRNA, Escherichia coli, Physarum polycephalum 2715.
- tRNA Tyr suppressors genes, Escherichia coli 4967.
- Salmonella typhimurium, chemotaxis genes, phage λ, plasmid pBR322, overproduction 247.
- Salmonella typhimurium, ilv gene, gene mapping, regulation 1623.
- Streptococcus mutans proteins genes, Escherichia coli, association, antigenic characteristics 11272.
- Streptococcus pneumoniae plasmids DNA 5017.
- Streptomyces, plasmids, genetic engineering 11315.
- Streptomyces plasmids, use genetic engineering 11314.
- Streptomyces, use phage ΦC31 11261.
- tetracycline antibiotic resistance promoters, use plasmid pBRH4, Escherichia coli 4970.
- tetrahydrofolate dehydrogenase, purification, characterization, plasmid pJFM8, Escherichia coli 3978.
- Thermus flavus, plasmids, characterization, gene mapping 1688.
- transposon Tn10, tetracycline antibiotic resistance, gene products, purification, characterization 6741.
- transposons, T1 plasmid, Agrobacterium tumefaciens, deletion, recombination, methodology 2914.
- tryptophan operon promoters, Escherichia coli 7649.
- tyrosine suppressors tRNA genes, amber mutant, Escherichia coli 1621.
- tyrosyl-tRNA synthetase genes, Escherichia coli, Bacillus stearothermophilus 11260.
- uidA gene, uidR gene, Escherichia coli 6691.
- unc operon, Escherichia coli 11257.
- URA1 gene, gene expression, role promoters, Escherichia coli, Saccharomyces cerevisiae 6710.
- vectors, construction, characterization, use plasmid pBR322 4973.
- vectors, construction, use phage λ promoters, gene regulation penicillinase, tryptophan synthetase, Escherichia coli 5028.
- vectors, construction, use plasmids 4972.
- vectors, plasmid pGV1106, transformation Rhizobium meliloti 6735.
- vectors, tryptophan operons, construction plasmid pBR313 4971.
- viruses antigens, bacteria, vaccines development, conferences 10829.

Clopenthixol,
- isomers, antibacterial activity, neuroleptics 5973.

Clorobiocin,
- analogs, antibacterial activity, inhibition, DNA gyrase, Escherichia coli, structure-activity relationships 11058.

Clostridia,
- chenodeoxycholic acid chemical modification, ursodeoxycholis acid 9661.

Clostridium,
- amino acids biodegradation, reviews 7427.
- antibacterial activity, niridazole, comparison, metronidazole 10040.
- antibacterial activity, sulbenicillin 4174.
- antibiotic resistance, benzylpenicillin, tetracyclines, cephalosporins 11439.
- antigens, characterization 1861.
- arylsulfatase, activity, specificity, bile salts 12613.
- association wetwood 6401.
- bacteremia, man 9301.
- bile acids conversion 9623.
- biodegradation, N-nitrosamines 132.
- enoate reductase, mechanisms, kinetics 11199.
- enumeration, inoculation, soil, rhizosphere, association, Daucus carota, root rot 10778.
- establishment, inhibiton, soybeans diets, gnotobiotics, mice 7290.
- ethanolamine analogs effects on ethanolamine ammonia-lyase 9749
- fecal microflora, cancer patients, characterization 9071.
- ferredoxin, oxidation, kinetics, U.V. spectroscopy 6609.
- gas gangrene, nosocomial infection, epidemiology, man 2213.
- gas gangrene, pathology, mortality, man, Canada 3456.
- gas production, intestinal microflora, man 12735.
- heat resistance, milk sterilization 9656.
- hydrogenation, allyl alcohol, role, enolase, alcohol dehydrogenase 4941.
- hydrolases, clinical isolates 1543.
- immunoglobulin G antibodies, detection, blood donors, man 571.
- infection, diagnosis, treatment, clinical aspects, man, reviews 13277.
- intestinal microflora, Tilapia mossambica 12031.
- isolation, culture, identification, characterization 10922.
- isolation, rice, effects on rhizosphere microflora 2431.
- josamycin antibacterial activity, in vitro 8783.
- mammary gland abscesses, pigs 5477.
- opportunistic infection, wetwood, association dieback, Abies alba 10753.
- peritonitis, spleen necrosis, association, pneumoperitoneum, dogs, case reports 2354.
- phylogeny, rRNA 1449.
- prostatitis, association, prostate biopsy, treatment, man, case reports 2095.
- rubredoxin-NAD^+ detection 7601.

Clostridium acetobutylicum,
- acetone, butanol, biosynthesis, pH, butyrate, effects on 8645.
- autolysis, autolysis, factors affecting 2622.
- continuous culture, association, pH, ammonium, acetone butanol biosynthesis 11250.
- hemicellulose biodegradation, butanol production 9817.
- production, acetone, butanol, induction, acetate+butyrate 5810.
- protoplasts production, regeneration, culture 5564.
- rubredoxin-NAD^+ detection 7601.
- Saccharomyces cerevisiae, hexoses+pentoses, fermentation, ethanol, L-butanol, biosynthesis 11010.

Clostridium acidiurici,
- RNA polymerase, activity, rifampicin, resistance 9729

Clostridium acidurici,
- temperature effects on, formyltetrahydrofolate synthetase self-assembly 4924.

Clostridium barkeri,
- phylogeny, rRNA 1449.

Clostridium bifermentans,
- anaerobic plate method, assays, chloramphenicol, clindamycin, metronidazole, methodology 2955.
- antigenic relationship, Clostridium difficile, Clostridium sordellii 1861.
- dehydrogenation, cholic acid, inhibitors, characterization 9616.
- hydrolysis, bile acids, characterization 7455.
- leucine fermentation, association, isovaleric acid, isocaproic acid 9726.

Clostridium botulinum,
- botulism, aminoglycoside antibiotics stimulation toxicity, children, case reports 6914.
- botulism, association, breast feeding, infants, case reports 5381.
- botulism, association, salivary gland content, histamine, 5-hydroxytryptamine, rats 1815.
- botulism, case reports, infants, man 7171.
- botulism, cattle, USA, Oregon 6367.
- botulism, chickens, case reports, USA, Delaware 6336.
- botulism, clinical aspects, antibiotics treatment, case reports, infants 11523.
- botulism, clinical aspects, treatment, infants 881.
- botulism, epidemiology, relationship, sudden-infant-death syndrome, infants, man 3469.
- botulism, etiology, diagnosis, clinical aspects, treatment, man 4471.
- botulism, infants, man, case reports, Canada 7026.
- botulism, infants man, immunosuppression, breast milk, cow's milk, comparison 8960.
- botulism, juveniles, horses, case reports 7264.
- botulism, man, Portugal, epidemiology 9133.
- botulism, risks, fish, vacuum packaging 5338.
- botulism, source, ham, man 823.
- botulism, toxins, assays, infants, man 3414.
- botulism, wound infection, diagnosis, clinical aspects, children, case reports 7102.
- growth, toxins biosynthesis, antibacterial activity, phenols, antioxidants, preservatives 5964.
- growth, toxins, production, growth conditions 8873.
- heat resistance, phosphate buffers, meat, crabs 2652.
- incidence, Pisces, coastal waters, Java 8087.
- incidence, sediments, seafood, ISEW, Indonesia 1233.
- infection, man, effects on neuromuscular junctions 10374.
- man, botulism, diagnosis, epidemiology 7025.
- metabolism, Bacillus licheniformis effects on, association, tomatos, canned food 9424.
- neurotoxins, binding neuromuscular junctions, synaptosomes, brain, mice 11501.
- neurotoxins, biological properties 10084.
- neurotoxins effects on acetylcholine release, role calcium, neuromuscular junctions, frogs 11512.
- neurotoxins effects on neuromuscular junctions, reviews 11508.
- otolaryngeal infection, man, clinical aspects 11913.
- psychrotrophic bacteria, taxonomy, ecology 8292.
- sodium nitrite, inhibition, metabolism, preservatives, cured products 8820.
- soil, incidence, Indonesia 9452.
- spore germination, sorbate effects on 4215.
- spore germination, spore outgrowth, preservatives, antibacterial activity 12949.
- spore outgrowth, nisin effects on 376.
- spores, temperature tolerance, computer applications 4718.
- toxin C, susceptibility, chickens 5165.
- toxins, biosynthesis, slurries, pigs 1796.
- toxins, characterization, reviews 7885.
- toxins, detection, feces, botulism diagnosis, Anas 2366.
- toxins, effects on acetylcholine, calcium transport, brain, rats 6010.
- toxins, effects on nerves growth, muscles, mice 479.
- toxins, effects on neurotransmitters, brain, spinal cord, rats 497.
- toxins, food poisoning, epidemiology, man 7890.
- toxins, food poisoning, epidemiology, sanitation, man 10097.
- toxins, monoclonal antibodies, enzyme-linked immunosorbent assay, antigenic determinants, neutralization 10067.
- toxins production, association vascular permeability factor 6000
- toxins production, pork slurries, sodium chloride, sodium nitrite, sodium nitrate, sodium isoascorbate, polyphosphate, temperature effects, effects on 474.
- toxins, toxicity, mice 6022.
- toxins variants, clinical isolates, botulism, infants, man 3140.
- type A, toxins, detection, immunodiffusion 3122.
- type, toxins, toxicity, juveniles, mice 6007.

Clostridium botulinum type A,
- botulism, laboratories diagnosis, use, feces, man 8015.
- growth, toxins biosynthesis, cheese 5154.
- growth, toxins biosynthesis, iron effects on 4750.

Clostridium botulinum type B,
- growth, toxins biosynthesis, cheese 5154.

Clostridium botulinum type C,
- toxins, effects on, choline uptake, in vitro, brain, rats 3134.
- vaccination, ferrets 612.

Clostridium botulinum type E,
- ecological distribution, spores, soil, water, reviews 9450.
- toxins characterization, botulism, ecological distribution, fishery products contamination, books 13535.

Clostridium botulinum type F,
- toxins, heat inactivation, beef, mushrooms 5160.

Clostridium botulinum type G,
- toxins, heat inactivation, beef, mushrooms 5160.

Clostridium botulium,
- type G, toxins, detection, enzyme-linked immunosorbent assay 3121.

Clostridium brevifaciens,
- toxins, pathology, Insecta 8883.

Clostridium butulinum,
- leucine fermentation, association, isovaleric acid, isocaproic acid 9726.

Clostridium butyricum,
- association, intestinal pseudo-obstruction, man 13176.
- digestion (anaerobic), pectin, lakes, characterization 9626.
- hydrogen biosynthesis, hydrogenase activity 4092.
- immobilized cells, hydrogen biosynthesis 4088.
- isolation, penicillinase 1546.
- metabolism, linolenyl alcohol 126.
- pathogenicity, cytotoxicity, characterization, laboratory animals 3587.
- pectin-degrading bacteria, wetwood, Populus deltoides, Populus nigra, Ulmus

Clostridium butyricum, (continued)
americana 4614
penicillinase characterization 12627.
penicillinase enzymatic activity 2761.
phylogeny, rRNA 1449.
spore germination, growth, redox potential effects on 12323.
Clostridium butyrizum,
nosozomial infection, neonates, necrotizing enterocolitis, man 7992.
Clostridium chauvoei,
myositis, clinical aspects, cats, case reports 6358.
strains, colonial characteristics, pathogenicity 85.
Clostridium cochlearium,
mercury drug resistance, organic compounds mercury, biodegradation 6521.
Clostridium difficile,
acids, characterization, gas chromatography 4068.
agglutination, association, toxigenicity, sorbitol fermentation 6057.
antibiotic sensitivity testing, antibiotic synergism, antibiotic resistance 7759.
antibiotics association colitis, clinical aspects, man, case surveys 9137.
antibiotics pseudomembranous colitis, recurrent infection, man, case reports 2027.
antigenic relationship, Clostridium sordellii, Clostridium bifermentans 1861.
antigens, detection, enzyme immunoassay, feces, man 3157.
association, Crohn's disease, ulcerative colitis, cytotoxins, cytopathology, tissues, man 12991
association, pseudomembranous colitis, pathology, infants, case reports 2044.
cecitis, suppression, intestinal microflora, antibiotic therapy, hamsters 3603.
cefotaxime, moxalactam, cefoperazone, antibacterial activity, antibiotic sensitivity testing 8763.
clinical isolates, antibiotic sensitivity testing 7760.
colitis, association, antibiotics treatment, pasteurellosis, rabbits 8119.
colitis, nosocomial environments, epidemiology, man 10380.
colitis, treatment, metronidazole, man, case reports 7011.
colitis, treatment, vancomycin, man 4415.
cytotoxicity, effects on HeLa cells membranes, ATP 6021
detection, identification, media (selective) 1321.
diarrhea, man, case surveys 7013.
diarrhea, man, surveys 7021
effects on intestine, gnotobiotics (germfree) 1122.
endotoxins, colitis, association, antibiotic therapy, moxalactam, man, case reports 3145.
enterotoxins, association, gastrointestinal tract diseases, man 12985
enterotoxins, effects on tissue culture, morphology, function, HeLa cells association 7899
etiology, diarrhea, man, adults 814.
Hirschsprung's disease enterocolitis, characterization 11777.
identification, gas-liquid chromatography 12257.
identification, mannitol fermentation 5592.
incidence, diarrhea, association, antibiotics, man 13178.
incidence, man 6287
infection, children, host-pathogen interactions 8063.
infection, man, pseudomembranous colitis, disease transmission, nosocomial environments, case reports 10365.
infection, man, pseudomembranous colitis, rifampicin induction, case reports 13166.
isolation, goats 4551.
isolation, identification, association, U.V. radiation, media (culture), toxins production 8255
isolation, methodology, feces, man 2517.
leucine fermentation, association, isovaleric acid, isocaproic acid 9726.
nosocomial infection, pathogens, new records, man, characterization 10510.
pseudomembranous colitis, association, antibiotics, incidence, case reports, man 7017
pseudomembranous colitis, association, toxins production, man 7005.
pseudomembranous colitis, etiology, man, case reports 811.
pseudomembranous colitis, incidence, etiology, treatment, man 6012.
pseudomembranous colitis, man infants, case reports 7010.
pseudomembranous colitis, relationship, infection, cytomegalovirus, influenza B virus, man 13161.
pseudomembranous colitis, toxins, feces, association, diarrhea, man 3351.
relationship, Crohn's disease, clinical aspects, case reports, man 11766.
role, pseudomembranous enterocolitis, reviews, 3369.
toxigenicity, isolation feces, children 7008.
toxin A, toxin B, effects on cecititis, hamsters 6866
toxins, assays, mice, neonates 5148.
toxins, association, pseudomembranous colitis, man, reviews 6015.
toxins, characterization 5998
toxins, cytopathogenesis, association diarrhea, feces, children man 6017.
toxins, detection, counter immunoelectrophoresis 1794.
toxins detection, counter immunoelectrophoresis 4222.
toxins, detection, cytotoxicity, counter immunoelectrophoresis, comparison 6855.
toxins, diarrhea, colitis, antibiotics association, man 498
toxins, diarrhea, complications, inflammatory bowel diseases, man 11493.
toxins, immunochemistry 5155.
toxins, isolation, purification, characterization 1805.
toxins, pseudomembranous colitis, clindamycin metabolites role pathogenesis, hamsters 11491.
toxins, Pseudomembranous colitis, diagnosis, man 10110.
toxins, pseudomembranous colitis, man 8887.
toxins, pseudomembranous colitis, man 10089.
toxins, pseudomembranous colitis, man, reviews 8889.
toxins, pseudomembranous colitis, pathogenesis, association, antibiotics, man 11496
toxins, pseudomembranous colitis, pathogenesis, man 10092.
toxins role, antibiotics effects on diarrhea, children 7893.
toxins, role, inflammatory bowel disease, man 2022.
toxins, role, inflammatory bowel disease, man 2023.
Whipple's disease, nervous system, case reports, man 11849.
Clostridium diphtheriae,
diphtheria, association, infectious mononucleosis, treatment, man, case reports 10350.
vaccination, reviews 10260.
vaccination, reviews 10260.
Clostridium felsineum,
pectinolytic enzymes, fermentation, products 12619.
Clostridium haemolyticum,
B-toxin biosynthesis, characterization 11485.
Clostridium haemolyticum, (continued)
toxoids, experimental infection, immune response, cattle 1831.
Clostridium hemolyticum,
hemoglobulinuria, cattle, juveniles, case reports 8113.
vaccination, immune response, redwater, cattle 628.
Clostridium histolyticum,
collagenase, active sites 11156.
collagenase, assays 7562
Clostridium kluyveri,
hydrogenation, allyl alcohol, role, enolase, alcohol dehydrogenase 4941.
Clostridium lituseburense,
phylogeny, rRNA 1449.
Clostridium malacosomae,
toxins, pathology, Insecta 8883.
Clostridium novyi,
diagnosis, spleen disorders, dogs 1101.
hemoglobulinuria, cattle, juveniles, case reports 8113.
isolation, liver, pancreas carcinoma, dogs 6368.
isolation, methodology, association, genital tract specimens 10853.
plasmids detection 5015.
Clostridium oedematiens,
plasma membranes, ultrastructure, characterization, freeze-fracture, freeze-etching 2601.
Clostridium oncolyticum,
culture, cell lines, tumor cell lines 11
Clostridium paraputrificum,
meningitis, brain abscesses, case reports, man 6236.
Clostridium parvum,
effects on irradiated tumor cells immunization, mice 10210.
Clostridium pasteurianum,
carbohydrates transport 6491.
ferredoxin, C.D., E.S.R., comparison Chromatium, Desulphovibria gigas, Azotobacter vinelandii 3934.
ferredoxin, chromium(III), effects on, oxidation, kinetics 11025.
ferredoxin, iron-sulfur centers, selenium substitution, characterization 6611.
ferredoxin, Raman spectroscopy, E.S.R. 7537.
nickel, association, dehydrogenase, carbon monoxide, characterization 6625.
nitrogenase, feedback inhibition, ammonium, carbamyl phosphosphate 2808.
nitrogenase, inhibition carbon monoxide, nitric oxide, nitrites 3974.
nitrogenase iron protein, amino acid sequence, comparison Azotobacter vinelandii, Anabaena, Klebsiella pneumoniae, phylogeny 7534.
nitrogenase, molybdenum iron proteins, X-ray diffraction 7544.
nitrogenase, molybdenum-iron protein, X-ray diffraction 9755.
rubredoxin-NAD$^+$ detection 7601.
selenium oxide effects on, physiology, metabolism, fractionation association 12329.
thionite, thiosulfite, sulfite, reduction 113.
thioredoxin reduction, role, ferredoxin 144.
Clostridium pectinofermentans,
+Methanosarcina vacuolata, mixed culture, methane production 12734.
Clostridium perfringen,
enterotoxins, sodium dodecyl sulfate, guanidine hydrochloride, temperature, pH effects on tertiary structure, U.V. spectroscopy 5045.
Clostridium perfringens,
adherence, association, respiratory tract infection, man, animal models 10319.
antibacterial activity, serum, meat extracts, rabbits 7865.
antibacterial activity, Streptomyces cervinus sp.nov. cervinomycin A 11346.
arthritis, children, case reports 956.
association, food poisoning, etiology, epidemiology, British Isles, man 11762.
bacteriocins, biosynthesis, characterization 12874.
bile acids transformation, in vitro 3863.
bile bacteriology, association, cholangitis, geriatrics 4519.
cellulitis, association, gas gangrene, morbidity, mortality, treatment, prophylaxis, man 10600.
clinical isolates, antibacterial activity, ceftazidime 5078.
colonial characteristics, morphology, characterization 10955.
complementation mutants, genetic analysis 12748.
complementation mutants, genetic analysis 12755.
cystitis, lung, man, case reports 6967.
cytoplasmic membranes, penicillin-binding protein, multiple forms, localization, purification, characterization 6603.
DNA, absorption, U.V. radiation 155.
DNA, quinacrine binding 158.
enterotoxins, amino acid sequence, characterization 11476.
enterotoxins, antigenicity, structure-activity relationships 5159.
enterotoxins, binding, liver cells, rats, quantitation 8896.
enterotoxins biosynthesis, in vitro, purines, imidazole, papaverine effects on 11369.
enterotoxins, heat inactivation 7883.
enterotoxins, intestinal absorption, rats 5167.
enterotoxins, purification, characterization, endotoxemia, man 3124.
experimental infection, chickens, pseudomembranous colitis, virginiamycin treatment 13406.
food poisoning, man 7987.
food poisoning, man, outbreaks 10361.
gas gangrene, association, aorta embolism, cats, case reports 9363.
gas gangrene, association cholecystectomy, man, case reports 6299.
gas gangrene, nosocomial infection, epidemiology, man, hospitals 2212.
gas gangrene, prophylaxis, treatment, association, amputation, penicillin, metronidazole, man 10576.
growth, proteinase biosynthesis, inhibition, casein 4769.
identification, methodology 2547.
infection, Macaca arctoides, association gastrointestinal tract dilation 12044.
infection, man, moxalactam treatment 9221.
intestinal microflora characterization, rabbits 6325.
isolation, association, parvovirus infection, dogs 3580.
meningitis, brain abscesses, case reports, man 6236.
microflora, Mollusca, Crustacea, Pisces 13363.
neuraminidase, enzyme kinetics, N-acetylneuraminic acid, N-glycolloylneuraminic acid 1527.
perinatal infection, man 2314.
phosphatidylserine synthase, purification, characterization 12636.
phospholipase activity, meat, glucose broth 4223.
phospholipase C, effects on sphingomyelin hydrolysis 12652.
plasma membranes, ultrastructure, characterization, freeze-fracture, freeze-etching 2601.

Clostridium perfringens, (continued)
septicemia, diagnosis, association, hemolysis, neonates, man, case reports 3466.
sodium nitrite antibacterial activity 5128.
soil microorganisms, survival, distribution 7324.
spores, contamination, littoral zone, lakes, recreation sites 13511.
spores lysis enzymes, extraction, role, spore germination 5770.
sporulation, enterotoxins biosynthesis, caffeine, theobromine, effects on 1811.
sporulation, stimulation, papaverine 10943.
tetanus, treatment, zinc chloride, topical application, case reports, man 7134.
toxins, food poisoning, epidemiology, man 7890.
toxoids, vaccination, juveniles, sheep 7958.
Clostridium perfringens type A,
bacteriocin typing 4686.
fatty acid composition, regulation 225.
Clostridium perfringens type C,
β-toxin, effects on blood pressure, rats 6013.
Clostridium perfringes,
neuraminidase reaction mechanisms, N-acetyl-α-D-neuraminic acid release 1532.
Clostridium perfringes type C,
nosozomial infection, neonates, necrotizing enterocolitis, man 7992.
Clostridium polysaccharolyticum comb.nov.,
cell walls structure, sporulation, relationship, taxonomy 1349.
Clostridium puniceum sp.nov.,
characterization 1323.
Clostridium purinolyticum,
selenium dependent growth, glycine fermentation 12449.
Clostridium saccharolyticum,
cellulose conversion, ethanol, mixed culture, mesophilic bacteria 7462.
Clostridium saccharoperbutylacetonicum,
autolysis, protoplasts formation, characterization 6668.
protoplasts like cells, production, sucrose induction cell walls autolysis, characterization 138.
Clostridium septicum,
association, myonecrosis, man, case reports 860.
gas gangrene, man, case reports 5385.
gas gangrene, man, case reports 5401
infection, cattle, USA, incidence 10705.
myositis, clinical aspects, cats, case reports 6358
susceptibility, antimicrobial agents 8851.
Clostridium sordelli,
diseases, cattle, france 4575.
Clostridium sordellii,
antigenic relationship, Clostridium difficile, Clostridium bifermentans 1861.
leucine fermentation, association, isovaleric acid, isocaproic acid 9726.
Clostridium sphenoides,
citrate (pro-3S)-lyase, purification, characterization, electron microscopy 9771.
Clostridium sporogenes,
growth inhibitors, hydrogen sulfide, fatty acids, anotox absorption, anaerobic environments 10864.
identification, gas chromatography 9560.
leucine fermentation, association, isovaleric acid, isocaproic acid 9726.
media (culture) 10867.
media (culture) 12203.
phosphoroclastic system, ATP levels, inhibition, nitric oxide 1412.
proline dehydrogenase, purification, characterization, enzyme kinetics 2797.
spore outgrowth, monitoring, equipment, methodology 2501.
spores, media comparison, enumeration, recovery 6463.
Clostridium sticklandii,
tRNA Glu purification, aminoacylation correlation selenium content 9691.
Clostridium tetani,
antibodies, detection, children, adults, man 3548.
antibodies, production, in vitro, lymphocytes, man, interaction 3239.
association, otitis media, man 2004.
combined vaccines, Corynebacterium diphtheriae+Bordetella pertussis, vaccination, abscesses complications, injection sites, man 661.
combined vaccines, Neisseria meningitidis, vaccination, man 656.
exotoxins, immunoglobulin M effects on, Ictalurus punctatus 3141.
infection, man, Australia, disease control, immunization, reviews 9056
otolaryngeal infection, man, clinical aspects 11913.
plasma membranes, ultrastructure, characterization, freeze-fracture, freeze-etching 2601.
spore germination, growth, redox potential effects on 12323.
tetanus, antibodies, detection, man 4288
tetanus, antitoxins, incidence, man, Italy, age, sex, relationship 4309.
tetanus, antitoxins, levels, man 4317.
tetanus, association, frostbite, man, case reports 2272.
tetanus, association, immune system, man 13028.
tetanus, clinical aspects, pathology, goats 10085.
tetanus, clinical aspects, treatment, man 5361.
tetanus, diagnosis, antitoxins, serum levels, passive hemagglutination, man 4306.
tetanus diagnosis, creatine kinase serum levels use, man 11960.
tetanus, diagnosis, prophylaxis, treatment, epidemiology, man 4535.
tetanus, dogs, case reports 12074.
tetanus, epidemiology, man, Italy 5353.
tetanus, epidemiology, man, Italy 5354.
tetanus, epidemiology, neonates, man, British Isles, 1032.
tetanus, epidemiology, prophylaxis, vaccination, man, Italy 5360.
tetanus, fluids loss, man 2109.
tetanus, immunity, children, man 4290.
tetanus, immunity, detection, passive hemagglutination, man, hospitals 4304.
tetanus, immunity, metals, workers, man 4310.
tetanus, immunity, methodology, man 4287.
tetanus, immunity, urban environments, rural environments, man 4307.
tetanus, immunity, vaccination, children, man 4351.
tetanus, immunity, vaccination, dosage, man 4352.
tetanus, immunity, vaccination, man 5205.
tetanus, immunization, side effects, pericarditis, man 10245.
tetanus, immunoglobulin E, characterization, man 4286
tetanus, man, association acute myeloid leukemia, case reports 8077
tetanus, man, case surveys 878.
tetanus, man vaccination, antibody response 6135.
tetanus, muscles, histochemistry, man, case reports 1822.
tetanus, neonates, man 7089
tetanus, paralysis, neonates, man, case reports 6868
tetanus, paraplegia, man 7901.
tetanus, passive immunization, man 9058

Clostridium tetani, (continued)
tetanus, prophylaxis, man, hospitals 5356.
tetanus, prophylaxis, vaccination, man 4347.
tetanus, prophylaxis, vaccination, man 4348.
tetanus, prophylaxis, vaccination, man 4349.
tetanus, prophylaxis, vaccination, man 5247.
tetanus, propranolol treatment, neruological complications, man 10421.
tetanus, surveillance, incidence, British Isles 11889.
tetanus toxins, associations, neuromuscular junctions blocking 10093.
tetanus, toxins effects on nerve transmission, mice 10087.
tetanus toxins, transport pathway, cell membranes invaginations 6018.
tetanus, treatment, dantrolene, man, case reports 2247.
tetanus, treatment, diazepam, neonates, man 7070.
tetanus, treatment, man 5357.
tetanus, vaccination, man 4346.
tetanus, vaccination, man 6928.
toxins, antibodies+blocking antibody, man 4323.
toxins, conformational analysis, molecular weight 5153.
toxins, effects on acetylcholine, calcium transport, brain, rats 6010.
toxins, effects on, choline uptake, in vitro, brain, rats 3134.
toxins, effects on neurotransmitters, brain, spinal cord, rats 497.
toxins, experimental infection, activity patterns, cerebellum, spinal cord, rabbits 485.
toxins, fragments, binding brain membranes, rats 10094.
toxins, hydrophobic 1810.
toxins, localization, spinal cord, animal models 476.
toxins, receptors, mice, cerebellum, expression, localization 8932.
toxins receptors, neurons development, brain, mice 11498.
toxins, tetanus, immunity, man, India 5223.
toxins, vaccination, relationship, antibodies induction immunosuppression, infants, man 1914.
toxoids, antibodies levels, multiple sclerosis, man 566.
toxoids, antibody response, activation, enzyme-linked immunosorbent assay, detection 11602.
toxoids antigenic determinants receptors lymphocytes T, proliferation 7950.
toxoids, coupling, Neisseria meningitidis polysaccharides, use, vaccines, vaccination, mice 5252.
toxoids, immune response, man 634.
toxoids, lymphocytes blastogenesis, man, diabetes mellitus 4321.
toxoids, monoclonal antibodies, production, lymphocytes B, transformed cells, Epstein-Barr virus 3166.
toxoids, reaction susceptibility, man 3258.
toxoids, vaccination, antibody response, man 5254.
toxoids, vaccination, association, lymphocytes inhibition antibodies biosynthesis, man 4333.
toxoids, vaccination, maternal transfer antigen-antibody complexes, guinea-pigs 9038.
vaccination+Bordetella pertussis+Corynebacterium diphtheriae, side effects, infants, children, man 3246.
vaccination, adolescents, reviews 611.
vaccination, adults, man 4331.
vaccination, antibody response, Hodgkin's disease, man 650.
vaccination, association, pregnancy, man 11633.
vaccination, factors affecting, horses 1915.
vaccination, immunity, association, antibody response, immunoglobulin G, man, reviews 4353.
vaccination, reviews 10260.
Clostridium tetanomorphum,
alanine-4,5-dioxovalerate aminotransferase, purification, characterization 7618.
4,5-dioxovalerate, role, biosynthesis, hydroxocobalamine 9671.
porphobilinogen synthase biosynthesis inhibition, role succinylacetone pyrrole 12577.
Clostridium thermoaceticum,
ATP, ADP binding formyltetrahydrofolate synthetase, conformational analysis, electron microscopy 11151.
ferredoxin, amino acid sequence 11106.
hydrogenase activity, cell-free system extracts 5774.
nickel, association, dehydrogenase, carbon monoxide, characterization 6625.
phosphate acetyltransferase, purification, characterization 4889.
Clostridium thermoautotrophicum sp.nov.,
characterization, acetate biosynthesis 2582.
Clostridium thermocellum,
cellulase, purification, characterization 204.
cellulose fermentation, ethanol production, continuous culture 2839.
cellulose, purification, characterization 2747.
+Clostridium thermohydrosulfuricum, cellulose fermentation, ethanol biosynthesis 125.
malate dehydrogenase (oxaloacetate-decarboxylating) ($NADP^+$), purification, characterization 4065.
mutagenesis, U.V. radiation, α radiation, N-nitroso-N-methyl-N'-nitroguanidine, genetic engineering 8661.
Clostridium thermohydrosulfuricum,
+Clostridium thermocellum, cellulose fermentation, ethanol biosynthesis 125.
Clostridium tyrobutyricum,
incidence, lactic acid utilization, association, pH 10985.
rubredoxin-NAD^+ detection 7601.
Clostridum pasteurianum,
nitrogenase subunits amino acid sequence, comparison nifD gene nucleotide sequence 2736.
Cloxacillin,
antibacterial activity, Staphylococcus aureus, infection, cattle, leukocytes (neutrophilic), role, lysostaphin 8773.
antibiotic sensitivity testing, Moraxella bovis, antibiotic resistance 7842.
disc-diffusion test, Staphylococcus aureus, methicillin sensitivity 12937.
+fusidic acid, treatment, Staphylococcus osteomyelitis, neonates 7127.
CMP-N-acetylneuraminate-galactosyl-glycoprotein sialyltransferase,
reactivation, lipids association, membranes, Escherichia coli 6643.
Co-trimoxazole,
drug sensitivity testing, Escherichia coli, Klebsiella, Citrobacter, Proteus, clinical isolates 4175.
drug sensitivity testing, Escherichia coli, Proteus mirabilis, Klebsiella 4169.
treatment, Bordetella pertussis, pertussis, children, man 4385.
treatment, chancroid, Haemophilus ducreyi 932.
treatment, diarrhea, drug resistance, Escherichia coli, man 4217.
Coagulase,
biosynthesis, Staphylococcus aureus, characterization 8604.

Coagulase, (continued)
- effects on, leukocytes taxis, induction, Staphylococcus aureus infection, rabbits 11585.
- negative Staphylococcus, cattle, mastitis, isolates, antibiotic sensitivity testing 385.
- positive Staphylococcus intermedius, Staphylococcus hyicus subsp.hyicus, identification methodology, domestic animals isolates 2569
- Staphylococcus aureus, assays, identification 3781
- Staphylococcus aureus, hemolysins, release, inoculum size, time, effects on 2781.
- Staphylococcus aureus, purification, characterization 2800.

Coagulase test,
- detection, Staphylococcus aureus 6464
- gram-positive bacteria, identification, clinical microbiology 5578.
- Staphylococcus aureus, factors affecting 4685
- Staphylococcus aureus proteinase effects on 4692
- Staphylococcus, clinical isolates toxigenicity, association animal cells 5992.

Coagulation,
- macrophages, immunostimulation, lipopolysaccharides, bacteria, membranes, role, endotoxin shock 4272.
- platelets, leukocytes (mononuclear), Shigella sonnei endotoxins stimulation, man 12986.
- role, pathogenesis, Borrelia anserina, spirochetosis, chickens 4543

Coal,
- bacteria, sulfur removal, reviews 7432.
- coke, industrial effluents, effects on, sediments, microenvironments, microorganisms 13513.
- Rhizobium japonicum adsorption, inoculation, nitrogen fixation, Glycine max 12128.
- Sulfolobus acidocaldarius, leaching, sulfur compounds 12388.
- sulfur leaching, Sulfolobus acidocaldarius 12371.
- sulfur leaching, thermophilic bacteria, acidophilic bacteria 10979.
- sulfur removal, methodology, Thiobacillus ferrooxidans 9649.

Coastal environment,
- eutrophic environments, phytoplankton, primary production, size distribution, exudates, nutrient sources, bacteria 12163.
- Germany, Fed. Rep., eutrophic environments, bacteria distribution, association, pollution indicators 8228.
- New Zealand, intertidal environment, bacteria productivity, deposit feeding effects on, Amphibola crenata 8189.
- sediments, seasonal variations, ecological distribution, nitrifying bacteria, nitrification 13525
- water quality, relationship, bacteria contamination Mollusca 8219

Coastal environments,
- France, hydrocarbons biodegradation, aquatic microorganisms 129.
- Japan, identification, Vibrio, biodegradation, fucoidan, Nemacystus decipiens 42.

Coastal waters,
- bacteria, catalysts, removal, manganese, oxidation 7477
- bacteria, ecosystems, aggregation, detritus, association, energy flow, upwelling 6434.
- bacteria, sediments attachment, growth, vertical distribution, USA, New York 10808
- bacterioplankton, orthophosphate uptake 9495
- Clostridium botulinum, incidence, Pisces, Java 8087.
- recreation sites, isolation, Vibrio parahaemolyticus, Vibrio alginolyticus, indicator species 9492.
- seasonal variations, Vibrio parahaemolyticus, Bolation, identification, Mexico 12175.
- solar radiation effects on heterotrophic bacteria nutrient cycles 8218.
- USA, bacterioplankton, uptake, adenosinetriphosphate 6530.
- Vibrio vulnificus, ecological distribution, seasonal variations, association, temperature, salinity 13528.
- water pollution, bacteria, pathogens, epidemiology 6254.

Coat protein,
- mutation, Bacillus subtilis spores, effects on, lysozyme resistance, spore germination 12797.
- orientation, phage f1, Escherichia coli, cytoplasmic membranes 6732.
- phage M13, incorporation, Escherichia coli cytoplasmic membranes 12814

Cobalamin,
- association, ribonucleotide reductase, localization, Propionibacterium shermanii, cells 12674.
- transport, bacteria, reviews 7406.

Cobalt,
- cytochrome P-450 substituted, E.S.R., Pseudomonas putida 3886.
- effects on, Methanosarcina, Methanobacterium thermoautotrophicum, Methanobacterium bryantii, digestion (anaerobic) 2634.
- effects on recA gene protein affinity DNA, proteolysis activity, Escherichia coli 11098
- treatment, syphilis, man 3431.

Cobalt chloride,
- inhibition protein biosynthesis, effects on RNA biosynthesis, Escherichia coli 2721.
- media (culture), effects on nitrogen-fixing bacteria 13479.

Cobalt sulfide,
- leaching, Thiobacillus ferrooxidans, Thiobacillus thiooxidans 7436.

Cobalt-porphyrin,
- proteins, purification, physicochemical properties, Desulfovibrio desulfuricans 6612.

Cobra venom factor,
- effects on, rats, immune response, Listeria monocytogenes 5206.
- Naja naja atra, effects on Galleria mellonella immunity, infection, Pseudomonas aeruginosa, Proteus mirabilis 3192.

Cocci,
- formation, Bacillus subtilis, temperature-sensitive mutant, morphogenesis, cell walls 1338.

Coccidia,
- mixed infection, enteritis, bacteria, diarrhea, juveniles, pigs 2343.

Coccidioides immitis,
- detection, blood culture, BACTEC test 3796.

Coccidiosis,
- neonates pigs, isolation, Escherichia coli, viruses, Canada 8088.

Cocos,
- yellows, Spiroplasma, infection, identification 3659.

Cocos nucifera,
- Copra, biodegradation, role water content, Aspergillus, Serratia marscescens, Staphylococcus aureus, population dynamics, succession 6542.
- mycoplasma-like organisms yellows, phloem sap, collection, characterization 13453.

Cocos nucifera, (continued)
- mycoplasma-like organisms yellows, phloem sap, composition 13449.
- roots, bacteria, wilt, epidemiology, India 3674.
- wilt, Phytomonas, Micrococcus roseus, experimental infection, disease transmission, epidemiology, Trinidad 8139.
- yellows, Mycoplasma-like organisms, pathology, Cuba 8148.

Codons,
- preferences, Saccharomyces cerevisiae, comparison, Escherichia coli, genetic analysis 11273.
- recognition, tRNA suppressors, frameshift mutants, Salmonella 2883.
- relationship gene expression, Escherichia coli 2866.

Coenzyme A,
- binding effects on succinyl-CoA synthetose (ADP-forming), conformation, fluorescence, Escherichia coli 12609
- disulfide, Escherichia coli strains, glutathione deficiency effects on 9712.
- Escherichia coli, biosynthesis, regulation, role, pantothenate kinase 2810.
- Protaminobacter ruber, glyoxylate biosynthesis 4791.

Coenzyme F_{430},
- Methanobacterium thermoautotrophicum, structure 187.
- methanogenic bacteria, biosynthesis, growth, coenzyme F_{430} requirements 2663.

Coenzyme Q_{10},
- production, glucose effects on, Pseudomonas mutants 2881.
- Pseudomonas mutants, concentration, metabolism 2841.

Coevolution,
- gene products superoxide dismutase, comparison, Leiognathus splendens, symbionts, Photobacterium leiognathi 6323.

Coexistence,
- lymphoma, granuloma, bacteria infection, clinical aspects, histology, case reports, man 11951.

Cofactors,
- molybdenum, purification, oxidation products, microorganisms 12727.

Coffee arabica,
- blight, Pseudomonas syringae, disease spread, seasonal variations, rainfall effects on 9411.

Coke,
- coal, industrial effluents, effects on, sediments, microenvironments, microorganisms 13513.

Colchicine,
- effects on brucellosis immunodeficiency, suppressor cells, man 1873.

Cold,
- effects on intestinal microflora, bacteria 8084.

Cold agglutinin disease,
- association autoimmune hemolytic anemia, Mycoplasma infection, man, case reports 5305.

Cold agglutinins,
- rabbits, Streptococcus group C, antigen-antibody interactions, cell surface glycoproteins, immunoglobulin G 6113.

Cold resistance,
- nuclei, bacteria, association, frost damage, Citrus 2560.

Cold shock,
- Escherichia coli, plasmids transformation, methodology 12831.

Cold storage,
- association, food, catering, microflora 13529.
- food spoilage microorganisms, lactic acid bacteria antagonism 13458.

Cold tolerance,
- Escherichia coli, pseudomonas aeruginosa, mixed culture, water, pH 11005.

Colibacillosis,
- Escherichia coli endotoxins effects on cardiovascular system, 5-hydroxytryptamine levels, pigs 11494.
- Escherichia coli, experimental infection, treatment, sulfachloropyridazine+trimethoprim, chickens, pigs 1103.
- Escherichia coli, small intestine, ultrastructure, electron microscopy, neonates, cattle 6352.
- vaccination, Escherichia coli, bacterin, clinical aspects, cattle 10262.

Colicin,
- production, Escherichia coli, Shigella, Salmonella, strains, clinical isolates 12877

Colicin A,
- biosynthesis, cytoplasm localization, Citrobacter freundii, Escherichia coli 4161.
- biosynthesis, mRNA translation characterization, Escherichia coli 297.
- colicin K, Escherichia coli, identification 5897.
- uptake, Escherichia coli, proteins, ompF gene, btuB gene, effects on 4722.

Colicin E1,
- genes, DNA nucleotide sequence, location promoters, operators regions, Escherichia coli 5814.
- genes, nucleotide sequence DNA, Escherichia coli 9674.

Colicin K,
- colicin A, Escherichia coli, identification 5897.

Colicin typing,
- Shigella sonnei, methodology, geographical distribution, frequency 9571.

Colicinogeny,
- clinical isolates, Escherichia coli, man, animals 1658.
- Enterobacteriaceae, sewage, man rectum samples, domestic animals rectum samples 453.

Colicins,
- biosynthesis, Escherichia coli mutants, isolation, ColE1 plasmid, ColE1 gene, characterization 5838.
- col 1b plasmid, effects on, phage T7, protein biosynthesis, Escherichia coli 9859
- ColE plasmid, characterization, antibacterial activity, Escherichia coli sensitivity 1686.
- colicin K, tolerance, Escherichia coli, mutants, expression, plasmids, antibiotic resistance, ampicillin 2910.
- Escherichia coli, biosynthesis, competition, shake culture, agar media 3676.
- Escherichia coli plasmids, relationship, epidemiology, pigs 9863.
- Escherichia coli, toxicity mechanisms, reviews 11505.
- fragmentation, cell surface proteinase, Escherichia coli 5901.
- production, Shigella sonnei, antibacterial activity, Escherichia coli, genetic analysis 12916.
- Shigella, strains, bacteriocinogeny, identification 12876.

Coliforms,
- association, feces, Escherichia coli, media (selective), enumeration 10852.
- contamination, water quality, swimming, ear infection, man 8214.

Coliforms, (continued)
- counting methods 3772.
- counting methods, pasturized milk 12213.
- Crassostrea gigas, depuration, methodology 7294.
- enumeration, shellfish, methodology 1274.
- enumeration, surveys, estuaries, India 8217.
- enumeration, suspended matter interference, seawater, membrane filtration 7372.
- Escherichia coli, R factors, antibiotic resistance, transfer, Salmonella, antibiotic sensitivity testing, agar diffusion test 6751.
- fecal microflora, feeding effects on, infants, man 7962.
- feces, counting methods, membrane filtration 5566.
- feces, enumeration, methodology, food 7370.
- feces indicator organisms, irrigation systems pollution, Brazil 7342.
- feces, soil pollution, land managment relationship 8202.
- feces, survival, association, animal wastes, pigs, land disposal 2459.
- food, enumeration, media (culture), methodology 1280.
- food isolates, antibiotic resistance 1746.
- gas production, detection, association, media (culture) 2515.
- growth, inhibition, bacteriocins like compounds, biosynthesis, bacteria, screening, water supplies 4647.
- identification, computer applications, methodology 9554.
- identification, computer applications, methodology 9561.
- incidence, abundance, killed, animals, sampling, methodology 3557.
- incidence, cattle bedding 10656.
- incidence, dairy industry effluents, Belgium 1241.
- incidence, vagina, man 3375.
- indicator species, aquaculture effluents, microbial pollution 12186.
- intestinal microflora, role gastroenteritis, man 13171.
- isolates, sewage effluents, antibiotic resistance, transfer, Escherichia coli 12932.
- isolation, marine environment, sewage, media (selective) 8.
- levels, reservoirs, water quality 1242.
- mastitis, factors affecting, drugs treatment, cattle 13381.
- mastitis, role straw hygiene, housing, cattle 10666.
- membrane filtration, counting methods, false-negatives 12212.
- microbial pollution, pollution monitoring, drinking water, physicochemical properties 6442.
- microflora, relationship, biocides, swimming pools, Australia 2479.
- most probable number, seawater, seafood 2527.
- penicillinase biosynthesis, detection methodology 1515.
- population levels, acidic hay effects on, feces, juveniles, cattle 9325.
- seawater, Kuwait, antibiotic resistance 7830.
- streams water pollution, fertilizer applications, crop fields, manure 8240.
- survival, brackish water, sediments effects on 8241.
- urinary tract infection, females, diagnosis criteria 13202.

Colistin,
- antibiotics treatment, Escherichia coli infection, pigs digestive tract 6202.
- association, hemin effects on gram-negative bacilli growth 7768.
- +erythromycin, antibiotic synergism, Serratia marcescens 5049.
- Escherichia coli, Klebsiella, antibiotic resistance 384.
- Salmonella, antibiotic resistance 9996.
- Salmonella typhimurium, Salmonella dublin, Salmonella cholerae-suis, Salmonella enteritidis, Salmonella gallinarum-pullorum, drug resistance 3115.
- +sulfonamide treatment, diarrhea, cattle neonates, Escherichia coli incidence 11768.

Colitis,
- association, antibiotics, Clostridium difficile, clinical aspects, man, case surveys 9137.
- association antibiotics, Clostridium difficile toxins, man 498.
- bacteria, sulfasalazine treatment, man 11764.
- Campylobacter, association hemolytic uremic syndrome, treatment, infants, man 6219.
- Campylobacter fetus subsp. jejuni, Mustela putorius, laboratory animals 9368.
- Campylobacter fetus subsp.jejuni, association, diarrhea, treatment, children, case reports 11774.
- Campylobacter jejuni, pathogenesis, animal models, gnotobiotics, dogs 12079
- Clostridium difficile, association, antibiotics treatment, pasteurellosis, rabbits 8119.
- Clostridium difficile, endotoxins, association, antibiotic therapy, moxalactam, man, case reports 3145.
- Clostridium difficile, nosocomial environments, epidemiology, man 10380.
- Clostridium difficile, treatment, metronidazole, man, case reports 7011.
- Clostridium difficile, treatment, vancomycin, man 4415.
- pathology, Yersinia enterocolitica, man, case reports 2030.
- Shigella flexneri, clinical aspects, man 2043.

Colladonus montanus,
- X-disease, mycoplasma-like organisms, transmission, infectivity, Macrosteles fascifrons 6388.

Collagen,
- aggregation, Escherichia coli, Salmonella, endotoxins, effects on 1820.
- dental pulp, Actinomyces viscosus, biodegradation, 3841.

Collagenase,
- Bacillus, biosynthesis, characterization, dental plaque 4906.
- Clostridium histolyticum, active sites 11156.
- Clostridium histolyticum, assays 7562.
- localization, gingiva, periodontal diseases, man 703.

Collections,
- USA, Illinois, Actinomyces, taxonomic revision 9576.

Collembola,
- abundance effects on soil microorganisms 8177.

Colletia,
- roots nodules, symbiosis, Actinomycetes, characterization 9435.

Colletorichum corchori,
- antagonism, Corchorus capsularis phyllosphere, bacteria, fungi, in vitro 9425.

Colletotrichum falcatum,
- Streptomyces dayalbaghensis sp.nov., antagonism, in vitro 7309.

Colletotrichum gloeosporioides,
- Streptomyces dayalbaghensis sp.nov., antagonism, in vitro 7309.

Colletotrichum lagenarium,
- infection, Cucumis sativus, disease resistance induction 13452.

Colon,
- carcinoma, association, Streptococcus bovis, meningitis, man, case reports 902.
- Escherichia coli, intestinal microflora, gas production, endoscopy, man, mannitol, effects on 3263.
- isolates, Bacteroides theatiotaomicron, arabinogalactan metabolism, continuous culture 3858

Colon, (continued)
- β-lactam antibiotics effects on, microflora, colonization, man 10282.
- man, carcinogenesis, microflora, reviews 13159.
- microflora, effects on, intestine epithelium, physiology, man 11659.
- neoplasia, association, Streptococcus bavis bacteremia, risks, man 9292.
- neoplasia, association, Streptococcus bovis, endocarditis, prosthetics, mitral valve, man 3521.
- postoperative infection, bacteremia, surgery, man 839.
- postoperative infection, prophylaxis, antibiotic therapy, man 4413.
- +rectum surgery, postoperative infection, prophylaxis, metronidazole, man 5406.
- surgery, anaerobic bacteria, postoperative infection, pretreatment, tinidazole, man 2230.
- surgery, association, postoperative infection, sepsis, prophylaxis, antibiotics, man 3365.
- surgery, Bacteroides fragilis, Escherichia coli, postoperative infection, prophylaxis, antibiotics, man 973.
- surgery, complications, antibiotic prophylaxis, cefazolin, comparison, cefazolin+metronidazole, man 10498.
- surgery, septicemia postoperative infection, prophylaxis, doxycycline, man 1015.
- tuberculosis, presentation, diagnosis, man, case reports 5315.

Colon microflora,
- man, α-aminobutyric acid biosynthesis, release, blood 1917.

Colonial characteristics,
- bacteria, mutants, enzymes, autoradiography, methodology 1284.
- bacteria, phony disease, Prunus persica, leaf scald, Prunus domestica 9551.
- Campylobacter fetus subsp.jejuni, morphology, media (culture) moisture effects on 3822.
- Clostridium chauvoei strains 85.
- Clostridium perfringens, morphology, characterization 10955.
- Lactobacillus acidophilus, bile sensitivity, freezing effects on 2628.
- Leptospira, media (culture), morphology 9542.
- Mycobacterium bovis, scanning electron microscopy 10944.
- Mycobacterium tuberculosis, isolation, Burma 12350.
- Neisseria gonorrhoeae, clinical isolates, sex hormones effects on 10934.
- Neisseria gonorrhoeae, content, relationship, serum effects on 3230.
- Neisseria gonorrhoeae, gonorrhea, clinical isolates, man 1367.
- Neisseria gonorrhoeae, phenotypes, in vitro 8394.
- Peptococcus saccharolyticus, strains, growth, stimulation, iron, hematin, blood 9614.
- role, Brucella canis cell walls antigens 86.
- Streptomyces levoris, air transport 3745.

Colonies,
- Apis mellifera, American foulbrood, distribution, Bacillus larvae spores 2400.
- bacteria, paddy fields, physicochemical properties, diurnal variations 8238.
- formation, anaerobic conditions effects on, Escherichia coli polA gene, recB gene, mutants 12336.
- Moraxella+Acinetobacter, sodium phosphate, sodium chloride, effects on 5127.
- Pseudomonas aeruginosa, media (isolation) 2510.

Colonization,
- adherence, Streptococcus pneumoniae, nasopharynx mucus, children 9602.
- antigens, association, Escherichia coli, enterotoxins, serotypes 1795.
- antigens, Escherichia coli, antibody response, rabbits 10228.
- antimicrobial agents effects on, digestive tract, mice, Enterobacteriaceae, Streptococcus faecalis 10285.
- bacteria, adherence, virulence, antibiotics treatment, mucosa, epithelium, children, conferences 10841.
- bacteria, breast milk, man 669.
- bacteria, catheters, association neonates man 6295.
- bacteria, drinking water pipes tar 12180.
- bacteria, substrate preferences, methodology 1283.
- bacteria, tongue, relationship, keratinization, animal models 5476.
- biomaterials, bacteria, use, chemotaxis chambers 6535.
- Campylobacter fetus subsp.jejuni, gastrointestinal tract, mice, neonates 1086.
- duodenum, Streptococcus faecium, role, adherence, epithelium, chickens, gnotobiotics 3809.
- effects on, baths, Pseudomonas aeruginosa, Klebsiella pneumoniae, hospitals, man 7112.
- Escherichia coli, +, intestinal microflora effects on, chickens 1053.
- Escherichia coli, intestinal microflora, gnotobiotics (germ-free), mice 3560.
- Escherichia coli, Klebsiella pneumoniae, intestine, Passeriformes, Psittaciformes 2360.
- factors, antigens, Escherichia coli, hydrophobicity, hemagglutination activity, enterotoxins association, comparison 7923.
- genital tract, Staphylococcus aureus, epidemiology, females, man 10408.
- gram-negative bacteria, oropharynx, pneumonia, man, hospitals 9116.
- intestine walls, Escherichia coli, electron microscopy, feeding regimes, colostrum, juveniles, cattle 4542.
- Klebsiella, Raphanus sativus, association, Klebsiella seed treatments 2440.
- lactic acid bacteria, rats, gastrointestinal tract infection 9375.
- microflora, β-lactam antibiotics effects on, mouth, colon, throat, man 10282.
- oropharynx, gram-negative bacteria, antibiotic therapy, role, pneumonia, nosocomial infection, man 3341.
- paints+antifouling agents, bacteria, conferences 10824.
- paints+antifouling agents, marine microorganisms, bacteria 10806.
- Phytophthora cinnamomi, lysis, bacteria, Eucalyptus marginata leaf litter 1155.
- population growth, rhizosphere, Pseudomonas, Mycoplana, Curtobacterium, gnotobiotics, Hordeum vulgare 4629.
- rates, Actinomyces viscosus Streptococcus mutans interaction effects on, dental plaque, rats 11012.
- rhizosphere, Gossypium hirsutum, Azotobacter, manure soil amendment effects on 5529.
- roots, Rhizobium trifolii, fungi, Trifolium repens roots 5533.
- Salmonella, Escherichia coli, gastrointestinal tract, intestinal microflora, chickens, effects on 1052.
- Streptococcus group D, infection, relationship, moxalactam, treatment, man 4469.
- Streptococcus mutans, Lactobacillus casei, gnotobiotics, rats 1124.
- Streptococcus mutans mutants, infection, rats, wild type effects on 7667.
- surfaces, microorganisms, mathematical models 3832.
- urethra mucosa, Escherichia coli, Staphylococcus saprophyticus, tissue culture, man 9618.
- vagina, Staphylococcus aureus, risk factors, man 10409.
- Verticillium dahliae, sclerotia, morphology, soil microorganisms, pH, effects on 3728.

Colonization factor,
- antigens, Escherichia coli, vaccination, diarrhea, animal models 663.
- Escherichia coli, diarrhea, Sepharose prophylaxis, rabbits 10356.

Colonization factor, (continued)
hemagglutination, Escherichia coli, clinical isolates, enterotoxins, pigs 1835.
Colonoscopy,
intestine, tuberculosis, Mycobacterium tuberculosis, diagnosis, biopsy, case reports, man 7015.
Colony-forming cells,
macrophages, response, bacteria endotoxins, mice 4279
Salmonella typhimurium infection, response, mice 5228.
spleen, immunostimulants, effects on, mice 5218
Color,
Streptomyces mycelia, identification 7396.
Colostrum,
antibacterial activity, Escherichia coli, diarrhea, immunity, pigs, neonates 4580.
antibody response, Escherichia coli, neonates, pigs 5235
cattle, Streptococcus lactis fermentation effects on proteins 12416
diets, cattle, juveniles, effects on intestinal microflora 1054.
feeding regimes, Escherichia coli, colonization, intestine walls, electron microscopy, juveniles, cattle 4542
immunoglobulin A antibody response, Chlamydia trachomatis, man 8965.
neonates feeding regimens, effects on intestine bacteria proliferation, man 11655.
pigs, antibacterial activity, Escherichia coli 8848.
Columba,
animal isolates, Streptomyces intermedius, phage typing 10898.
Columbidae,
chlamydiosis, Chlamydia, epizootiology 6370
Mycoplasma columborale, pathogenicity 6363
Column chromatography,
Escherichia coli lipopolysaccharides, pyrogenicity inactivators, rabbits brain lipoproteins 489.
Escherichia coli nitrofuran reductase components 4026
immunosorbents, purification, Streptococcus mutans, antigens, proteins, lipoteichoic acid, competition 510.
isolation Streptomyces aureofaciens plasmids DNA 5892
Comamonas terrigena,
alcohol dehydrogenase, purification, characterization 4062.
alcohol dehydrogenase, purification, characterization 4898.
Comanchelus,
mutualism, gut microflora, cellulose digestion 10733.
Combined vaccines,
Bordetella bronchiseptica+adenovirus (canine) 2+parainfluenza virus, treatment, kennel cough, dogs 4345.
Corynebacterium diphtheriae+Bordetella pertussis+Clostridium tetani, vaccination, abscesses complications, injection sites, man 661.
hog cholera virus+Erysipelothrix rhusiopathiae, prophylaxis, hog cholera, swine erysipelas, pigs, field trials 632.
Neisseria meningitidis+Clostridium tetani, vaccination, man 656.
Commensalism,
mixed culture, Streptococcus lactis, Saccharomycopsis fibuliger, starch, biodegradation, products 8160
Propionibacterium shermanii, mixed culture, Lactobacillus acidophilus, growth rate, glucose, lactate 10762.
Commensals,
Neisseria mucosa, endocarditis, pathogenicity, association, skin, reviews, case reports, man 9297.
Common cold,
association, pharyngitis, Streptococcus pharyngitis, diagnosis, symptoms, man 749.
Communal breeding,
effects on, dental caries, flora, Streptococcus mutans, serotypes, Macaca fascicularis 10679.
Community composition,
Azotobacter, bacteria, soil, industrial wastes effects on 7319.
bacteria, decomposition, detritus, chlorella, Skeletonema 3866.
bacteria, species composition, seasonal variations, lakes 9494.
bacterioplankton, nutrition, taxonomy, physiology tolerance, Alaska 1246.
marine microorganisms, oil pollution, oil installations, marine environment 9490.
streams, chlorine, pollution effects 9487
Community structure,
aquatic microorganisms, biomass composition, light effects, detritus, estuaries 3734.
index, bacteria, association, taxonomy 13499.
microorganisms, sand, marine environment, fuels wells drilling fluids effects on 10803
Compartmentation,
Tetratoxum excavatum cytoplasm, bacteria symbionts 7311.
Compatibility,
plasmid pWS6, association stability, Escherichia coli, Salmonella typhimurium 11277.
Competence,
Bacillus subtilis, DNA, degradation, binding, inhibition, protein biosynthesis, temperature effects 1437.
Competence factor,
isolation, characterization, phage 80α lysates, Staphylococcus aureus transformation 259.
isolation, phage 80α lysates, Staphylococcus aureus transformation 258.
Competition,
analysis, nodules pigmentation use Vigna unguiculata, Rhizobium 10781.
bacteria, fungi, protozoa, role toxins, antibiotics, predation 6405.
Escherichia coli, colicins, biosynthesis,
Escherichia coli, factors affecting 9663.
food, Daphnidae, disease resistance, eggs, bacteria infection 10729.
Graminae, effects on, Medicago truncula, nitrogen fixation, growth 4643.
intestinal microflora, Streptococcus bovis, Megasphaera elsdenii, Cattle 7222.
mixed culture, Streptococcus lactis, Saccharomycopsis fibuliger, biodegradation, products 8160.
Nitrobacter serotypes, soil microorganisms, association, environmental conditions 10798.
nodulation, Rhizobium leguminosarum, markers, use, streptomycin antibiotic resistance, phage typing 9458.
nodulation, Rhizobium meliloti, strains, Medicago 9436.
nodulation, strains, soil types, Rhizobium, Vigna radiata 10792.
Rhizobium genotypes, wild type, inoculation, nodulation, Dolichos biflorus 7320.
Rhizobium meliloti, nodulation, Medicago sativa 5532.
Rhizobium meliloti, nodulation, role, motility 3695.
Competition, (continued)
Rhizobium, nodulation, Lotus pedunculatus, nutrient enrichment effects on 1224.
Rhizobium, nodulation, Vicia faba 5520.
Salmonella paratyphi, Lactobacillus, crop, cecum, chickens 6328.
Thiobacillus, heterotrophic bacteria, carbon sources metabolism, chemostats 11011.
Competitiveness,
nodulation, Rhizobium leguminosarum, quantitation 10787.
Vibrio harveyii, association, bacteriocin biosynthesis 12114.
Complement,
abnormalities, association, ulcers, leg, sickle cell disease, man 691.
activation, antibacterial activity, association, immunoglobulin G, immunoglobulin M, Mycoplasma bovis infection, cattle 9012.
activation, Escherichia coli endotoxins hypotension, rabbits 493.
activation, Listeria monocytogenes, mice 537.
activation, monocytes, immune response, Staphylococcus aureus 11591.
activation, role lymphocytes phagocytosis Streptococcus group B 8976.
alternative pathway, activation, Bacteroides fragilis, in vitro 540.
alternative pathway activation, liposomes, Streptococcus pneumoniae, C-reactive protein inhibition 6096.
alternative pathway, activation, opsonization, Staphylococcus aureus, role, protein A 4269.
alternative pathway, activation, Propionibacterium acnes, man 533.
alternative pathway, activation, Pseudomonas aeruginosa slimes, glycolipoproteins, man 2733.
alternative pathway, role, Salmonella enteriditidis lipopolysaccharides opsonization, sickle cell disease, man 583.
alternative pathway, role, serum bactericidal activity, atopy, man 532.
alternative pathway, serum bactericidal activity, factors affecting 531.
antibacterial activity, Escherichia coli, protoplasts, lipopolysaccharide composition, role, serum, man 1877.
association, serum, man, immune response, Escherichia coli 11614.
bacteria, cytolysis, defense mechanisms, complement, man 6904.
bacteria cytolysis, defense mechanisms, man 6904.
bactericidal activity, Salmonella minnesota, resistance mechanisms, in vitro 8994
classical pathway, role, opsonization, phagocytosis, leukocytes, Escherichia coli 11630.
components, association, Salmonella minnesota cell death resistance 10202.
deficiency, association, Neisseria meningitidis meningitis, children, siblings, case reports 988.
deposits, typhoid fever, complications, hepatitis, man 11617.
effects on bactericidal activity, leukocytes (polymorphonuclear), man, Escherichia coli 6111.
effects on, Escherichia coli, membranes, dose-response effects 1890.
effects on, Escherichia coli, membranes, transport 1886.
immunodiagnosis, Chlamydia infection, cattle, assays 1850.
immunoglobulin G, activation, alternative pathway, cytotoxicity, Haemophilus influenzae 10195.
immunostimulation, leukocytes (neutrophilic), Streptococcus pneumoniae, C-reactive protein, role 11611.
induction, precipitation, Streptococcus pneumoniae polysaccharides, C-reactive protein 11576
levels, Streptococcus pneumoniae infection, man 6921.
lung levels, Streptococcus pneumoniae pneumonia, rats 6927.
lysis, Mycoplasma cell surface, immune response 10240.
opsonins, role, intracellular killing, bacteria, leukocytes (granulocytic) 562.
peptidoglycans effects on, Neisseria gonorrhoeae, serum, man 5799.
receptors, binding Salmonella typhi, leukocytes (polymorphonuclear), oral cavity, man 7940
role, clearance, Pseudomonas aeruginosa, Staphylococcus aureus, lung, chemotaxis, opsonization, mice 6109.
role, hypersensitivity, Micropolyspora faeni pneumonia, rabbits 593.
role, immune response, Streptococcus pneumoniae infection 6918.
role, immunity, Streptococcus pneumoniae infection, animal models 6919.
role, leukocytes (neutrophilic) stimulation, Neisseria meningitidis infection, association, immunodeficiency, children 3206.
role, macrophages, phagocytosis, Legionella pneumophila 10213.
role pathogenesis Herxheimer reaction, syphilis lesions, rabbits 6085.
role, Streptococcus pneumoniae complement fixation 506.
serum, antibacterial activity, plaques immunoassays, Neisseria gonorrhoeae 11533.
Streptococcus cell walls effects on, rats 4312.
susceptibility, Haemophilus influenzae, correlation, virulence, animal models 5197
Complement C1$_q$,
binding, Streptococcus pneumoniae, Haemophilus influenzae, Branhamella catarrhalis, assays, otitis media isolates 607.
Complement C1,
activity, Staphylococcus protein A, interaction, immunoglobulin G, immunoglobulins preparation 11127.
interaction, Escherichia coli, antibodies effects on 10191.
man, binding, Escherichia coli 6094.
Complement C1q,
binding, activation, Streptococcus pneumoniae capsules, cell walls 5224.
Complement C3,
role Staphylococcus aureus phagocytosis, reviews 574.
Streptococcus group A, resistance, phagocytosis 9022.
Complement C3b,
activation, alternative pathway, Streptococcus pneumoniae, cell walls, polymers, teichoic acids 3186.
Complement C3d,
relationship erythema nodosum leprosum, man 10227.
Complement C4,
activation, serum factors, bactericidal activity, Salmonella, mice 13025.
Complement C5,
deficient mutant mice, immune response, hypersensitivity (delayed), Listeria monocytogenes, effects on 5206.
Complement C6,
immunodeficiency, association, Neisseria meningitidis meningitis, recurrent infection, man, case reports 906.
Complement C8,
immunodeficiency, association, Neisseria meningitidis recurrent infection, man, case reports 3405.
Complement C9,
immunodeficiency, association, killing Neisseria, man, case reports 5225.

Complement deficiency,
respiratory tract infection, recurrent infection, man, case reports 560.
Complement fixation,
agglutination, immunofluorescence, comparison, Campylobacter fetus subsp.jejuni infection, antibodies serum levels, man 8912.
antibodies detection, Q fever, vaccination 507
Chlamydia antibodies, incidence, cattle, Hungary 5464.
detection, Anaplasma marginale antibodies, cattle 1840.
development, diagnosis, Campylobacter fetus subsp.jejuni, Campylobacter fetus subsp intestinalis, infection 504.
diagnosis, Mycoplasma hyopneumoniae, infection, pigs 4244.
evaluation, association, diagnosis, Haemophilus pleuropneumoniae, infection, pigs 8277
evaluation, Chlamydia antigens 509.
immunodiagnosis, Brucella ovis, epididymitis, sheep 13409.
immunodiagnosis, Chlamydia infection, man 12992
immunodiagnosis, Tyzzer's disease, laboratory animals, rats 3575.
melioidosis diagnosis, man 5243.
perihepatitis, Chlamydia trachomatis, laparoscopy, case reports, man 12013.
Pseudomonas fluorescens, strains, evolutionary genetics, DNA hybridization, taxonomy (numerical) 2876.
Streptococcus pneumoniae, role, complement 506.
tests, paratuberculosis, cattle, Corynebacterium equi effects on 7924.
Complementation,
Bacillus subtilis, mutants, sporulation, genetic analysis 1594.
genetic analysis, mutants, Clostridium perfringens 12748.
genetic analysis, mutants, Clostridium perfringens 12755.
leu 2 gene, Saccharomyces cerevisiae, leu B gene, Escherichia coli 243.
nitrogenase, role, Rhizobium nitrogen fixation 8688.
Saccharomyces cerevisiae leu2 gene, Escherichia coli leuB gene 1597.
Complex GTP,
Escherichia coli elongation factor Tu, histidine residues 1472.
Complications,
appendectomy, surgery, postoperative infection, man, case surveys 10621.
bacteria pneumonia, mortality, geriatrics 13146.
bacteria, pneumonia, pneumothorax, dogs, case reports 2382.
BCG vaccination, man, reviews 9027.
circumcision, toxic epidermal necrolysis, Staphylococcus aureus, antibiotics treatment, neonates, man 11676.
colon surgery, antibiotic prophylaxis, cefazolin, comparison, cefazolin+metronidazole, man 10498.
Corynebacterium diphtheriae+Bordetella pertussis+Clostridium tetani vaccination, abscesses, man 661.
diabetes mellitus, infection, prophylaxis, diagnosis, management, man 10461.
diabetes, poststreptococcal glomerulonephritis, man, case reports 877.
gentamicin treatment, postoperative infection, man 3471.
hand infection, Nocardia asteroides, man, case reports 687.
head and neck infection, man, case reports 3509.
Keratotomy, endophthalmitis, staphylococcus epidermidis, case reports, man 13334.
Legionnaires' disease, man 4401.
Legionnaires' disease, pneumothorax, man, case reports 3347.
meningitis, Haemophilus influenzae infection treatment, cefamandole, children 2216
meningitis, Haemophilus influenzae, relationship, cerebrospinal fluid levels, man 11850
postoperative infection, sepsis, man 3489.
sickle cell disease, Salmonella osteomyelitis, man, case reports 2189.
steel syringes, comparison, teflon catheters, risk factors, nosocomial infection, man 11875.
trachea ventilation, lung infection, Pseudomonas, Enterobacter, Klebsiella, man 771.
typhoid fever, hepatitis, immunoglobulins, complement, deposits, man 11617.
urinary tract recurrent infection, bacteria, pivmecillinam treatment, man 11820.
varicella, arthritis, Staphylococcus aureus, children, case reports 946.
Composition,
metabolism, dietary intake effects on intestinal microflora, man, reviews 13065.
Composting,
sewage sludge, endotoxins, gram-negative bacteria, occupational exposure, man 3688
thermophilic microorganisms, 2,4,6-trinitrotoluene biodegradation 12362.
Composts,
dust, mushrooms culture, bacteria, fungi, enumeration 2468.
effects on soil microorganisms, bacteria, succession 1202.
isolation, nocardiform bacteria, chemical properties, taxonomy 12265
mushroom worker's lung, etiology, immunoprecipitation, relationship, airborne microorganisms, dust 1973.
Compound AI-77,
antibacterial activity, Bacillus pumilus 12945.
Compound Ro-12-2510,
treatment, Shigella, dysentery, comparison, ampicillin, man 2042.
Compounds,
platinum(II), association, RecA gene protein induction, Escherichia coli 9694.
synthetic, biodegradation, microorganisms, biosphere 9657.
Computed tomography,
diagnosis, Escherichia coli, abscesses, kidney transplantation, man, case reports 866.
diagnosis, head and neck fascia, infection, man 8041.
diagnosis, osteomyelitis, man 9271.
meningitis, Haemophilus influenzae, children, clinical aspects 6237.
pathology, arthritis, spondylitis, osteomyelitis, man 1005.
Computer applications,
antibiotic sensitivity testing, bacteria, methodology 8755
bacteria identification 3783.
biomass, volume, bacterioplankton, aquatic environment, measuring techniques, scanning electron microscopy 3732.
clinical microbiology, data processing 7374.
data acquisition, aquatic microorganisms identification 7389.
data processing, bacteriology, laboratories, hospitals 2572.
glutamic acid biosynthesis, Brevibacterium divaricatum, batch culture 176.
identification, beef, contamination, Streptococcus, Lactobacillus 6477.
identification, nitrogen-fixing bacteria, soil isolates 8298.
Klebsiella, clinical isolates, characterization 2559.
methodology, coliforms identification 9554
methodology, coliforms identification 9561.
methodology, gram-negative bacilli, fermentation, identification 9555.
microorganisms, antimicrobial agents drug resistance 3077.
Computer applications, (continued)
pertussis vaccines, bioassays, dose-response effects 4338.
predator-prey interactions, Bdellovibrio bacteriovorus, Escherichia coli, mathematical models 12116.
spores temperature tolerance, Bacillus stearothermophilus, Clostridium botulinum 4718.
Computer programs,
Capnocytophaga taxonomy, identification keys 12264.
construction polynucleotides secondary structure, tRNA, replication origin regions, Escherichia coli, Salmonella typhimurium 4835.
determination translation initiation sites, mRNA, Escherichia coli 6573.
diagnosis, bacteria infection, man 12201.
Computerized tomography,
diagnosis, abdomen abscesses, immunocompromised hosts, man 5380.
Computers,
analysis, typing, Klebsiella, clinical isolates 1297.
Concanavalin A,
effects on Neisseria gonorrhoeae receptors, erythrocytes, man 1359.
interaction, Agrobacterium, association, induction, tumors 7301.
Concentration,
chromium, Melice crassa, role, bacteria 6389.
inoculum, Erwinia chrysanthemi, effects on infection, Philodendron selloum 9421.
oxygen, Arthrobacter crystallopoietes, effects on cytochrome d 5689.
penicillin, methicillin, Staphylococcus aureus, Streptococcus group B, growth stage, bactericidal activity 331.
sucrose, association, Salmonella senftenberg, heat resistance 8392.
Concurrent infection,
Corynebacterium vaginale, candidiasis, vagina, man 3391.
Mycobacterium scrofulaceum, papovavirus, warts, tumorigenesis, role immunity, man 6311.
Mycoplasma hyorhinis, mammary tumor virus, mice tumor cell lines, association, cells detachment factors 4679.
Salmonella typhimurium+Eimeria tenella, pathogenesis, chickens 4579.
Schistosoma mansoni, Salmonella paratyphi infection, Mesocricetus auratus, characterization 7289.
Conductance,
methodology, bacteria, growth, trimethylamine oxide reduction, assays 9526.
Condyloma acuminatum,
papilloma virus, diagnosis, sex differences, man 2136.
Conferences,
antibiotics, biodegradation, rumen microflora 9498.
antimicrobial activity, disinfectants 10825.
antimicrobial agents 1249.
Arthropoda, soil microorganisms 7349.
bacampicillin treatment infection, man 13539.
bacteria, adherence, colonization, virulence, antibiotics treatment, mucosa, epithelium, children 10841.
bacteria, clinical microbiology, immunological aspects, man 13033.
bacteria, colonization, paints+antifouling agents 10824.
bacteria infection, clindamycin treatment, man 10850.
bacteria infection, disease control, horses 10832.
bacteria infection, treatment, man 10836.
bacteria joints infection, diagnosis, clinical aspects, immune response, man 5550.
bacteria, metabolism, cell division, growth 13543.
bacteria toxins, purification, assays, in vivo effects on, antigenic characteristics 10831.
bacteria toxins, toxicity, characterization 12196.
bacteriorhodopsin+phosphatidylcholine vesicles, lipid bilayers, characterization, freeze-fracture 2690.
bone diseases, bacteria, treatment, diagnosis, pathology, man 3748.
books, bacteria, genetic engineering, plasmids, secondary metabolism 12194.
books, bacteria, nitrogen fixation, genetic engineering, transposons, recombination, RNA biosynthesis 10833.
books, bacteria, nitrogen fixation, pathogenesis, plants infection 13544.
books, bacteria, R factors, antibiotic resistance, genetic analysis 10828.
books, biodegradation, xenobiotics, lignin, aromatic compounds, dyes, pesticides 12198.
books, heterotrophic bacteria activity, Finland lakes 12197.
books, Legionella pneumonia, diagnosis, clinical aspects, man 10843.
books, legionnaire's disease, immunodiagnosis, genetic engineering, RNA biosynthesis regulation 10830.
books, treatment, infectious diseases, man 13549.
cefoperazone, antibacterial activity, treatment infection, man 10847.
ceftazidime, antibacterial activity, antibiotics treatment, toxicity, pharmacokinetics, immunosuppression 5549.
crops, plant diseases 12200.
dairy products sterilization, heat resistance bacteria 10842.
dieback, population dynamics, Abies alba, Europe 10848.
dose-response effects, antibacterial activity, β-lactam antibiotics 13540.
ecological evaluation, microcosms 8248.
endocarditis, man, diagnosis, treatment, pathology 10846.
Escherichia coli tyrosyl-tRNA synthetase 8250.
infection, cefoperazone, antibacterial activity, man, conferences 10847.
leprosy, treatment, diagnosis, Mycobacterium leprae staining, antigenic characteristics, man 12199.
man, skin diseases, treatment, infection, fungi, bacteria, parasites 10834.
man, toxic shock syndrome, incidence, Staphylococcus aureus isolation, exotoxin C production 10839.
mastitis, hygiene, cattle 10826.
mezlocillin treatment, antibacterial activity, clinical trials, man 13541.
microbiology 3747.
microbiology, medicine 3749.
Mycobacterium, mycobacteriosis, antibiotic sensitivity testing, immune response, treatment, identification 6449.
Mycoplasma infection, diagnosis, pathogenesis, vaccines, man, domestic animals 10837.
nasapharynx infection, antibiotics treatment, man 13542.
nitrogen cycle, ecosystem analysis, Africa, West 8249.
nitrogen cycle, terrestrial ecosystems, agroecosystems, Africa, West 9500.
nitrogen fixation, symbionts, host plants, infection, recognition, energetics, books 9480.
nitroimidazoles, treatment, prophylaxis, anaerobic bacteria infection, man 10849.
nosocomial infection, disease control, prophylaxis, man, hospitals 10840.
nosocomial infection, nosocomial environments, disease control, immunocompromised hosts, antimicrobial resistance, bacteria, man, books 10835.

Conferences, (continued)
nosocomial infection surveys, epidemiology, man 10844.
plant diseases, bacteria 13547.
plant diseases, disease resistance, bacteria 13548.
proteolytic enzymes, production, technology, dairy industry 6450.
Pseudomonas aeruginosa infection, treatment, man 12193.
psychrotrophic bacteria, spoilage, virulence, meat, food, fishery products 9499.
respiratory tract infection, man 13545
sexually-transmitted diseases, treatment, man 13546.
skin diseases, man, infection, bacteria, fungi, treatment 10827.
Streptococcus pneumoniae diseases, epidemiology, immune response, vaccines 7350.
Streptococcus pneumoniae polysaccharides vaccines 1250
tuberculosis, treatment, man 12195.
tumors, carcinoma, fats dietary intake, bacteria, viruses, fungi, immune system, animal models, man, reviews 13265.
urinary tract infection, cinoxacin treatment, man 13550.
vaccines development, viruses antigens cloning, bacteria 10829.
wound infection, surgery, bacteria, diagnosis, pathology, antibiotic prophylaxis, man 10845.

Configurations,
black lipid membranes, Caldariella acidophila, membrane capacitance, membrane conductance 9667.
carotenoids, Raman spectroscopy, reaction centers, Rhodopseudomonas sphaeriodes 8470.
DNA, phage Mu, replication, Escherichia coli 8718.

Conformation,
aspartate carbamoyltransferase, subunits cross-linking effects on, Escherichia coli 4909.
coenzyme A binding effects on succinyl-CoA synthetose (ADP-forming), fluorescence, Escherichia coli 12609
DNA, relationship, nucleotide sequence, Escherichia coli 2700.
nuclease A fragments, relationship activity, Staphylococcus aureus 7575.
phage Φ, effects on, Escherichia coli, DNA 12816
proteins, role, bacteria cytochrome P-450 reduction, association, carbon monoxide 12495.
Pseudomonas cytochrome oxidase, potassium cyanide effects on, use subtilisin proteolysis probes, Pseudomonas aeruginosa 8567.
ribosomal protein L7/L12, Escherichia coli 167.
ribosomes, initiation factor 3 binding effects on, U.V. spectroscopy, Escherichia coli 12532.
rRNA 16S, ribosomal subunit 30S, bacteria 4806
rRNA 23S, ribosomal subunit 50S, Escherichia coli 4822.
tRNA Phe, ribosomes binding effects on, fluorescence, Escherichia coli 6582.
role allosteric properties aspartate carbamoyltransferase, Escherichia coli 4910

Conformational analysis,
bacteriorhodopsin peptides, C.D., N.M.R. 11024
Escherichia coli rRNA, acridine orange 3909
formyltetrahydrofolate synthetase, ATP, ADP binding, electron microscopy, Clostridium thermoaceticum 11151.
δ-lysin, interactions membranes, Staphylococcus aureus 11101.
N^1-phenylsulfanilamide, ionization, antibacterial activity 434.
N^1-phenylsulfanilamides, antibacterial activity 1768.
protein M, Streptococcus, cell surface 4844
pyruvate oxidase, C.D., electron microscopy, Escherichia coli 11146.
rRNA 5S, N.M.R., Escherichia coli 9679
rRNA 5S, endonuclease S1 (Aspergillus) digestion, Escherichia coli 11066.
tRNA phe, E.S.R., Escherichia coli 3912.
tRNA, phosphorescence, Escherichia coli 6586.
Saccharomyces carlsbergensis tRNA Phe interaction ribosomes Escherichia coli 6574
Streptomyces, subtilisin inhibitors, N.M.R 3919.
thermolysin C-terminus fragments, immunochemistry Bacillus thermoproteolyticus 4892
thioredoxin, C.D., fluorescence, Escherichia coli 3942
toxins binding gangliosides, effects on quaternary structure, fluorescence, Vibrio cholerae 11481
C.D., toxins, Clostridium tetani 5153.
X-ray scattering, ribosomal protein S4, Escherichia coli 1480.

Congenital infection,
Chlamydia trachomatis, epidemiology, treatment, neonates, man 9249
inclusion conjunctivitis, etiology, diagnosis, Chlamydia trachomatis 910
syphilis, association, keratitis, man, case reports 5351
syphilis, clinical aspects, infants 908
syphilis, clinical aspects, man, case reports 926
syphilis, incidence, infants, man, Zambia 10434.
trachoma, epidemiology, man 13235.

Congo red,
β-D-glucans staining, assays, bacteria cellulase 8606
media (isolation), Azospirillum, methodology 12204

Coniophora puteana,
biodegradation, bis(tributyltin)oxide 2636.

Conjugation,
Bordetella pertussis, plasmids transfer 12843.
chlorpromazine effects on, plasmids transfer, F'lac factor, R factors, pili, Escherichia coli 5971.,
chromosomes transfer, kinetics, mathematical models, Escherichia coli 242.
deficient mutant, Escherichia coli, cell membranes, proteins function 12556.
DNA transfer, Pseudonomas morsprunorum 2854.
Escherichia coli, Klebsiella pneumoniae, N plasmid, antibiotic resistance, killing 2909
Escherichia coli, R factors, integration 7704.
Escherichia coli, R factors, Salmonella 9903.
R factor NR1, R factor RSF2124, DNA homology, relationship, recombination frequency, Escherichia coli 12800.
R factors, characterization, classification 12864.
IncJ plasmid, plasmid R391, integration, replication, Escherichia coli 5894.
phage PRR1 infection, Caulobacter vibrioides, RP1 plasmid, pili, effects on 1675.
plasmids, Escherichia coli, drug resistance± enterotoxins production 8862.
Pseudomonas aeruginosa, phages, R factors transduction 11295.
role F factors, genetic analysis, reviews, bacteria 8729.
Salmonella, plasmids, clinical isolates, lactose metabolism 9868.
Salmonella typhimurium, role, cell membranes, lipopolysaccharides, proteins 1342.
Serratia marcescens, transfer, pigments biosynthesis activity, antibiotic resistance 9852.

Conjunctiva,
hemorrhage, Rocky Mountain spotted fever, Rickettsia rickettsii, association,

Conjunctiva, (continued)
diagnosis, treatment, man 9287.
microflora, incidence, contact lenses, man 8071.
microflora, Staphylococcus epidermidis, man, microflora, effects on 3265.

Conjunctivitis,
association, syphilis, man, case reports 3424.
bacteria distribution, screening 6852.
bacteria, treatment, trimethoprim+polymyxin, comparison, neomycin+polymyxin+gramicidin, man 7185.
Branhamella catarrhalis, diagnosis, neonates, man 2207.
Chlamydia psittaci, immunoglobulin G, antibody response, tears, guinea-pigs 13048.
Chlamydia psittaci, isolation, Anas platyrhynchos 6359.
Chlamydia trachomatis, neonates, association, cervix, infection, man, pregnancy, inoidence 2190.
etiology, Haemophilus, Staphylococcus aureus, Streptococcus pneumoniae, Branhamella, children 2295.
etiology, Staphylococcus, neonates, man 5426.
inclusion conjunctivitis, neonates, etiology, diagnosis, congenital infection, Chlamydia trachomatis 910.
man, drug sensitivity testing, Enterobacter cloacae, Acinetobacter calcoaceticus, Staphylococcus aureus, Staphylococcus epidermidis, Pseudomonas aeruginosa 7149.
Mycoplasma arthritidis, antibody response, animal models 6283.
Staphylococcus etiology, man, Uganda 957

Connective tissue diseases,
relationship, Yersinia enterocolitica infection, man 7018.

Construction,
cloning vectors, tryptophan operons, plasmid pBR313 4971.
cloning vectors, use plasmid pBR322 4973.
cloning vectors, use plasmids 4972

Consumers,
Flagellata, bacteria, population dynamics, fjords 12164.

Contact dermatitis,
leprosy presentation, man, case reports 11672.

Contact lenses,
association, keratitis, Serratia marcescens, treatment, man 1009.
conjunctiva microflora, incidence, man 8071.
effects on, microflora, Staphylococcus epidermidis, conjunctiva, man 3265.
Serratia marcescens infection, pathogenesis, man 7097.

Contagious caprine pleuropneumonia,
Mycoplasma mycoides subsp.mycoides, treatment, streptomycin, penicillin, goats 7280
vaccines, goats, Mycoplasma mycoides subsp. mycoides, 651.

Contagious equine metritis,
bacteria, diagnosis, carriers, methodology, horses 7242.
bacteria, energy metabolism, characterization, enzymes detection 5673.
bacteria isolates, morphology, horses 8324.
clinical aspects, epidemiology, etiology, horses 12046.
epidemiology, clinical aspects, horses 7239.
experimental infection, treatment, abortion induction, horses 9351.
Haemophilus equigenitalis, biochemical analysis, antisera agglutination, identification, horses 7257.
Haemophilus equigenitalis, experimental infection, antibody response, horses 584.
Haemophilus equigenitalis, horses, epidemiology, diagnosis, Japan 7250.
Haemophilus equigenitalis, immune response, diagnosis, serological tests comparison, horses 11619.

Contaminants,
diets, larvae, Heliothis 1130.
Mycobacterium, isolation, media (selective) 4668

Contamination,
bacteria, eggs, chickens juveniles, enumeration, gnotobiotics (specific pathogen free) 6381.
bacteria, frozen food, counting methods, books 13538.
bacteria, gold ores deposits, USSR 8165.
bacteria, mineral water, U.V. radiation effects on 8225.
bacteria, Mollusca relationship water quality, coastal environment 8219.
bacteria, prevention, cornea storage media 12218.
bacteria, semen, prostate, infertility, man 10388.
bacteria, skin cleaning products, chlorhexidine antibacterial activity 446.
beef, Streptococcus, Lactobacillus, identification, computer applications 6477.
breast milk, association, Klebsiella pneumoniae bacteremia, man, neonates, hospitals 10538.
breweries, Enterobacteriaceae, detection methodology 1300.
catheters, bacteriuria, cancer patients 11808.
catheters, Pseudomonas aeruginosa, Escherichia coli, Proteus mirabilis, nosocomial infection, geriatrics 10529.
cell culture, Mycoplasma, elimination, 5-bromouracil 9531.
Clostridium perfringens spores, littoral zone, lakes, recreation sites 13511.
Cyanophyta culture, association, hydrogen bacteria 12216.
dairy products, spore-forming bacteria, anaerobic conditions 9654.
disinfectants, bacteria, drug resistance 11470.
disinfectants, chlorhexidine, Serratia marcescens, drug resistance, hospitals 3114.
disinfectants, drug sensitivity testing, Xanthomonas, Flavobacterium, Micrococcus 7848.
drinking water, Yersinia enterocolitica, identification, biochemical characteristics 7392.
eggs, bacteria, geese 2388
eyedrops, association, Serratia marcescens keratitis, treatment, man, case reports 10453.
fishery products, Clostridium botulinum type E, toxins, books 13535.
Flexibacter columnaris, feeds, infection, Anguilla japanica, aquaria 4572.
fungi culture collections, bacteria, purification, methodology 4678.
hay, role, salmonellosis, Salmonella anatum, cattle 1116.
hazards, airborne microorganisms, open heart surgery, association, laminar air flow, air filtration 12189
ice cream, Salmonella, food poisoning, man 9098.
lakes, coliforms, water quality, swimming, ear infection, man 8214.
Lolium rigidum, Corynebacterium rathayi, toxins, isolation 2964.
mammalian cells cell lines, Mycoplasma hyorhinis, antibiotics treatment 8281.
maxillary sinus lavage, Pseudomonas paucimobilis, association, infection, man, hospitals 2015.
Micrococcus roseus, man, disinfectants, povidone-iodine comparison Hibistat 5962.
milk, Mycobacterium, association, tuberculin skin tests, cattle 4561.
milk, relationship, Campylobacter jejuni enteritis outbreaks, children, institutions 4417

Contamination, (continued)
milk, Salmonella enteritidis ser.derby, association, infection, man 3370.
milking machines, role mastitis, cattle 10671
Mycobacterium hyorhinis, neuroblastoma cells, cell lines, elimination, passage, mice 12220.
Mycoplasma arginini, cell culture, effects on toxicity testing, hepatoma, rats 12226.
Mycoplasma, detection, cell culture 9530.
Mycoplasma, hamsters cell culture, infection, herpes simplex virus, association, deoxyctidine deaminase 4682.
Mycoplasma hyorhinis, minks lung cell culture, effects on cytomegalovirus, varicella-zoster virus, plaque formation 3776.
Mycoplasma pneumoniae, cytolysis, cell culture 9529.
povidone-iodine, Pseudomonas cepacia, association, bacteremia, man, hospitals 3553.
povidone-iodine, Pseudomonas cepacia, bacteremia 6288.
Pseudomonas aeruginosa, media (isolation), Salmonella, sulfacetamide effects on 3761
Serratia marcescens, air purification unit effects on 7346.
Serratia marcescens, benzalkonium chloride, nosocomial infection, hospitals, animals 2351.
Staphylococcus epidermidis, catheters, infections, urogenital tract, man 3383.
sterinol, disinfectants, Pseudomonas, resistance, morphology 414.
Streptococcus, media (culture), recovery Mycobacterium tuberculosis 3767.
Streptococcus uberis, cattle 5479.
surface water, association, infection, man, British Isles 3452.
swelling agents, bacteria, fungi, dry heat disinfection 426.
ventilators, bacteria, intensive care units 979.
water supplies, association, gastroenteritis, Campylobacter fetus subsp.jejuni, outbreaks, man 11763.
water supplies, dysentery incidence, man, Libya 7985.
water supplies, Mycobacterium kansasii, occupational exposure, man 5545.
wood, Saccharomonospora viridis, Cryptostroma corticale, hypersensitivity, occupational exposure, man, case reports 5213.
Continuous culture,
Acanthamoeba polyphaga, predator-prey interactions, Pseudomonas paucimobilis, batch culture 3680.
Arthrobacter, Mycobacterium, glucose isomerase biosynthesis 197.
association, pH, ammonium, Clostridium acetobutylicum, acetone butanol biosynthesis 11250.
Azotobacter chroococcum, nutrient availability, hydrogen production, nitrogenase 2666
Bacillus caldotenax, temperature, effects on, growth 11021.
Bacillus cereus, growth 1388.
Bacillus subtilis var.niger, cell walls, chemical composition, pyrolysis products 4075
bacteria, Cyclidium, population dynamics flocculants effects on 2661.
bacteria, growth, kinetics, mathematical models 2646.
bacteria, interaction, Euglena spirogyra, Ellipsoidion 3770.
bacteria, substances uptake, mathematical models 12308.
Bacteroides theatiotaomicron, colon isolates, arabinogalactan metabolism 3858.
carbon dioxide limitations, association, Anabaena, syngergism, Zoogloea 9426.
Citrobacter freundii, fumarate+hydrogen, formate, ATP production 12454.
Clostridium thermocellum, cellulose fermentation, ethanol production 2839.
ecosystem models, gastrointestinal tract, rats, microorganisms 3561.
Escherichia coli, cyclic AMP, biosynthesis, intracellular levels, excretion 9610.
Escherichia coli, enzymes biosynthesis, kinetics, growth rate 11195.
Escherichia coli, factors affecting mutation 8694.
Escherichia coli, morphology, density 12295.
Escherichia coli mutants, phenylalanine biosynthesis 9706.
Escherichia coli, pBR322 plasmid, pBR325 plasmid, maintenance 5021.
Escherichia coli, plasmid pBR325 loss 9883.
Escherichia coli, plasmids, maintenance, effects on, growth 1667.
fermenters, bacteria 9515.
Klebsiella aerogenes, calorimetry 12408.
liquids levels analyzers, methodology 5551.
microorganisms, mathematical models, reviews 8276.
Pediococcus pentosaceus, lactic acid biosynthesis 9791.
proteins biodegradation, retention time 10994.
Pseudomonas putida, mutants, selection, dehalogenase, 2-monochlorobutanoic acid, 2-monochloropropionic acid, induction 1614.
Selenomonas ruminantium, oxygen, effects on, growth, metabolism 9615.
Selenomonas ruminantium, starvation effects on growth 12455.
Selenomonas ruminatium, viability, growth, glucose limitations 2671.
Streptococcus bovis, carbon dioxide, pH, effects on, pigments, production 11033.
Streptococcus bovis, pigments, production, glucose 11034.
Streptococcus mutans, sucrose transport, phosphoenolpyruvate-fructose phosphotransferase 6495.
Streptococcus sanguis, attachment, surfaces, measurement 3833.
Streptomyces hygroscopicus, turimycin, biosynthesis, genetic analysis 12875.
Vibrio succinogenes, asparaginase biosynthesis 12648.
Xanthomonas campestris, growth, biosynthesis xanthans 4770.
Zymomonas mobilis, growth, nutrient requirements 7452.
Contraceptives,
prophylaxis, sexually-transmitted diseases, man 2154.
relationship, Streptococcus group B incidence, rectum, man 829.
Contraceptives (oral),
Chlamydia trachomatis, sexually-transmitted diseases, Neisseria gonorrhoeae, females, British Isles, surveys 2150.
effects on, cervical microflora, man 6937.
Contractility,
ileum, guinea-pigs, bacteria cell walls effects on 4950.
myocardium proteins, endotoxin shock, Escherichia coli, effects on, animal models 484.
Control,
mastitis, cattle, Netherlands 1058.
nosocomial infection, treatment, burn patients, use, sterilization environments, man 1041.
Salmonella dublin salmonellosis, cattle, juveniles 6373.
scab, Solanum tuberosum, Streptomyces scabies, ethionine 1147.
Control programs,
mastitis, cattle, Czechoslovakia 2383.
mastitis, cattle, Netherlands 7259.
nosocomial infection, bacteria isolation hospitals, man 10581.
nosocomial infection, hospitals 1021.
nosocomial infection, hospitals personnel 10574.
Control programs, (continued)
nosocomial infection, models, man, hospitals 10567.
nosocomial infection, prophylaxis, man, hospitals 10558.
nosocomial infection, surveys, risks, control programs, hospitals, man 10590.
rheumatic fever, rheumatic heart disease, international cooperation, man 2269.
surveillance, nosocomial infection, man 10577.
tuberculosis, man, China, People's Rep. 11917.
tuberculosis, man, Germany, Fed. Rep. 11916.
Conversion,
anthracyclinones, Streptomyces coeruleorubidus mutants 299.
methylcobalamin, adenosylcobalamin, Protaminobacter ruber 150.
tomatine, tomatidine, Nocardia restrictus, microorganisms 231.
Convulvulus sepium,
roots, agropine production, Agrobacterium rhizogenes 7296.
Cooling water,
Legionella pneumophila, bacteroides, antibacterial activity 8834.
Cooperation,
cell adhesion, Streptococcus sanguis, hydroxyapatite 8398.
Cooperativity,
glucosephosphate isomerase, ATP inhibition, Bacillus caldotenax 9767.
subunits interaction, glutamine synthetase, Escherichia coli 4900.
Copper(II),
+ascorbic acid, +hydrogen peroxide, water disinfection, methodology, bacteria 12157.
Copper,
bioaccumulation, effects on growth, Sphaerotilus natans 7442.
bioaccumulation, Escherichia coli, batch culture, use, waste treatment 136.
bioaccumulation, Escherichia coli, metals effects on 121.
E.S.R., cytochrome c oxidase, Paracoccus denitrificans 4023.
+2,9-dimethyl-1,10-phenanthroline, complex, antibacterial activity, mechanisms, Mycoplasma gallisepticum 1774.
effects on Neisseria gonorrhoeae, urethra isolation, in vitro 1777.
effects on, nitrification, activated sludge, Nitrosomonas, Nitrobacter 8184.
effects on, soil biodegradation 1220.
inhibition, growth, Escherichia coli 11464.
intrauterine devices, effects on Neisseria gonorrhoeae, man 1777.
ions, tolerance, Thiobacillus ferrooxidans mutants, physiology 6853.
leachates, Thiobacillus ferrooxidans, incidence, activity, factors affecting 2438.
Pseudomonas perfectomarinus, effects on nitrification 6538.
serum levels, relationship, tuberculosis, silicosis, silicotuberculosis, man 1980.
soil microorganisms, effects on carbon dioxide fixation 6833.
soil pollution, Streptomyces resistance heavy metals resistance relationship pigments production 7871.
temperature, effects on, Thiobacillus ferrooxidans, resistance 12958.
treatment, acne, efficacy 1945.
Copra,
Cocos nucifera, biodegradation, role water content, Aspergillus, Serratia marscescens, Staphylococcus aureus, population dynamics, succession 6542.
Coprococcus,
induction, antibody response, agglutinins, mice, rats 11618.
phloroglucinol reductase, purification, characterization 2802.
Coprococcus comes serum agglutinins induction,
infection, rats, mice 10223.
Coptotermes formosanus,
lipid biosynthesis, metabolism, bacteria symbionts effects on 5492.
Corchorus capsularis,
phyllosphere, bacteria, fungi, antagonism, Colletorichum corchori, in vitro 9425.
Cord blood,
Chlamydia trachomatis infection, seroepidemiology, neonates, man 7045.
Corexit 9527,
dispersants, effects on, glucose, uptake, mineralization, microorganisms, marine environments 2643.
Coriandrum sativum,
seeds, Pseudomonas, infection, treatment 1144.
Coriaria,
actinomycetes nodules, incidence, Pakistan 1217.
Coriaria arborea,
roots nodules induction, ultrastructure, Frankia infection 12125.
Corks,
wine, bottles, association, Bacillus, antimicrobial activity, sulfur dioxide 8837.
Corn cobs,
particles, sterility, dehydration, Escherichia coli, Bacillus subtilis, fluidized beds, burn patients 11930.
Corn stunt spiroplasma,
DNA hybridization, Spiroplasma citri 157.
Zea mays diseases, epidemics, USA, Florida 9398.
Cornea,
cells, rabbits, adherence, Pseudomonas aeruginosa 9608.
guinea-pigs, keratitis, transfusion, leukocytes (polymorphonuclear) dispersal, association Pseudomonas aeruginosa 7943.
infection, Pseudomonas aeruginosa, children 10552.
infection, Pseudomonas aeruginosa, iron effects on pathogenicity, mice 4266.
pathology, cattle, keratoconjunctivitis, Moraxella bovis 1059.
rabbits, Pseudomonas aeruginosa pathogenicity, isolation, man eyes 6483.
storage media, bacteria contamination prevention 12218.
ulcers, Moraxella, surgery, case reports, man 11952.
ulcers, Pseudomonas, pathology, treatment, man, case reports 977.
Cornyebacterium renale,
passage, urinary bladder, kidney, immune response, mice 8952.
Coronatine,
biosynthesis, Pseudomonas syringae, phytotoxicity, taxonomic significance 10073.
Cortex,
hydrolysis, role, spore germination, Bacillus megaterium 8352.
Corticosteroids,
+chemotherapy, treatment, tuberculosis, adolescents, adults, man 2291.
treatment, arthritis, man, case reports 3529.
treatment, fever, lung tuberculosis, man, case reports 755.
treatment, pneumonia, Proteus, man, case reports 11736.
treatment, systemic lupus erythematosis, association, tuberculosis, disseminated infection, man, case reports 2305.
Cortisone,
treatment, effects on, Treponema pallidum, experimental infection, immune response (cell-mediated), immune response (humoral), rabbits 3198.

- **Cortisone, (continued)**
  - treatment, pneumonia, Chlamydia trachomatis, animal models 4392.
- **Corvus brachyrhynchos,**
  - Pasteurella multocida fowl cholera outbreaks, USA, Texas 5475
- **Corynebacterium,**
  - association urethal syndrome, man 13193.
  - biochemical characteristics, taxonomic revision, Brevibacterium 10908.
  - biodegradation, hexadecane, α-methylnaphthalene 9646.
  - biodegradation, lignin, characterization 7456.
  - cattle semen isolates, antibiotic sensitivity testing 5047
  - clinical aspects, identification, characterization 10902.
  - clinical isolates, leprosy, cell wall, chemical composition, man 8387
  - comparison, Agromyces, Arthrobacter, Curtobacterium, Brevibacterium, Microbacterium, nucleic acids hybridization 12523.
  - detection, blood culture, BACTEC test 3796.
  - DL-alanine production 8528.
  - heat resistance, milk sterilization 9656
  - infection, antibacterial activity, treatment, triclosan, man 1931.
  - infection, Lolium, annual ryegrass toxicity, sheep, cattle, pathology, South Africa 8099
  - isolation, culture, pathogenicity, Sorghum vulgare sudanensis 1269
  - isolation, Kaposi's sarcoma, role, pathogenesis, case reports, man 7174.
  - isolation, survival, man semen, association, freezing 2519.
  - Lolium rigidum toxicity, Anguina funesta vectors, biological control, Dilophospora alopecuri 5164
  - man skin isolates, antibiotic resistance, media (enrichment) 3754.
  - mastitis, incidence, cattle, Brazil 7266
  - media (isolation), methodology 7360
  - mycolic acids, chemical analysis, gas chromatography, mass spectroscopy 11222.
  - mycolic acids structure 12691.
  - new taxa, characterization, plants pathogens 9535.
  - nosocomial infection, antibiotic resistance, new records, immunocompromised hosts, man 10635
  - nucleotides, biosynthesis, metabolism 12562.
  - oil biodegradation, USSR rivers 13516.
  - oleic acid, hydration 3836
  - opportunistic infection, wetwood, association dieback, Abies alba 10753.
  - oral infection, man, antibiotics treatment 10305.
  - oral microflora, association, stomatitis, Serpentes, zoological gardens, USA, Tennessee 8121
  - otolaryngeal infection, man, antibiotics treatment 10323.
  - phage β, phage α, DNA characterization, gene mapping, integration 1642.
  - population dynamics, Avena sativa 1148
  - squalene, hydration 3836.
  - taxonomy 8308
- **Corynebacterium acnes,**
  - acne, measuring techniques, man 13081
  - acne, treatment, benzoyl peroxide 695
- **Corynebacterium autotrophicum,**
  - phosphatidylcholine composition 4081
- **Corynebacterium beticola,**
  - morphology, physiology, chemical analysis, taxonomy 9545.
- **Corynebacterium catarrhalis,**
  - infection, mice, interferon biosynthesis induction 11631.
  - vaccination, association, Listeria monocytogenes infection, mice, disease resistance 11652
- **Corynebacterium diphtheriae,**
  - antibodies, detection, children, adults, man 3548
  - clinical isolates, tetracycline drug resistance 7827
  - combined vaccines, Bordetella pertussis+Clostridium tetani, vaccination, abscesses complications, injection sites, man 661
  - diphteria, toxins, binding, adenyl-(3',5')-uridine 3'-monophosphate, isolation 4228
  - diphtheria, association, salivary gland content, histamine, 5-hydroxytryptamine, rats 1815
  - diphtheria, children, case reports, Kenya 7260
  - diphtheria, diagnosis, fluorescence tests, man 11732.
  - diphtheria, diagnosis, man 13344.
  - diphtheria, immunity, children, New Zealand 11590.
  - diphtheria, occupational exposure, hospitals personnel, immunity 5221.
  - diphtheria, pathology, incidence, man 6976.
  - diphtheria, pathology, kidney, heart, children, case reports 3327
  - diphtheria toxins, association, proteins, injection effects on toxicity, animals, cytotoxicity, cell lines 10088
  - diphtheria, toxoids vaccination, antibodies levels, guinea-pigs 11645.
  - endocarditis, diagnosis, pathology, case reports, man 10472.
  - endocarditis, man, case reports, reviews 5382
  - identification, association, carbohydrates utilization 8282.
  - infection, man, Australia, disease control, immunization, reviews 9056.
  - mutants, toxins, biosynthesis, iron, effects on 3130.
  - phage γ-tsr-1, transduction, excision, DNA hybridization, genetic analysis 1661
  - phages, plaques formation, mathematical models 4995.
  - synthetic antigens, vaccines development 10268.
  - toxins, effects on hepatocytes, rats 1827.
  - toxins, effects on reticulocytes, rabbits 10080.
  - toxins, enzyme-linked immunosorbent assay mutants, antigens, detection, enzyme-linked immunosorbent assay, plaque assay 5006.
  - toxins, fragment B, amino acid sequence, interaction lipid bilayers 11478.
  - toxins, genes, association, DNA fragments, identification, phage-β 1640.
  - toxins, immunosuppression, cytotoxicity, monoclonal antibodies 6910.
  - toxins, inhibition, Saccharomyces cerevisiae spheroplasts protein biosynthesis 6004
  - toxins operons, localization, restriction endonuclease mapping, phage B DNA 1637.
  - toxins, receptors binding, role ATP 10083.
  - toxins, stimulation, leukocytes, detection, chemiluminescence 10101.
  - toxoids, antibodies levels, multiple sclerosis, man 566.
  - toxoids, immune response, man 634.
  - toxoids, spleen, rabbits, immune RNA, antibody response, mice 11620.
  - vaccination+Bordetella pertussis+Clostridium tetani, side effects, infants, children, man 3246.
  - vaccination, adolescents, reviews 611.
  - vaccination, association, pregnancy, man 11633.
  - vaccines, antigenicity, screening, children 5250.
- **Corynebacterium diphtherias,**
  - toxins, cytotoxicity, lysine polymers effects on 10076.
- **Corynebacterium diptheriae,**
  - cefmetazole, antibacterial activity 8775.
- **Corynebacterium diptheriae gravis,**
  - infection, man, isolation, epidemiology, characterization 8058.
- **Corynebacterium equi,**
  - animal isolates, horses, isoniazid antibacterial activity 8845.
  - effects on complement fixation tests, paratuberculosis, cattle 7924.
  - experimental infection, pathology, cattle 4557.
  - identification 4700
  - identification methodology 12255.
  - isolation, abscesses, pigs 8094.
  - pneumonia, outbreaks, horses, juveniles 3646.
  - serotypes, identification 1320
- **Corynebacterium fascians,**
  - biosynthesis, surfactants, role, pathogenicity, roots attachment 4090.
  - new taxa, characterization 9535.
- **Corynebacterium flaccumfaciens subsp.betae comb.nov.,**
  - new taxa, characterization 9535
- **Corynebacterium flaccumfaciens subsp.flacccumfaciens,**
  - new taxa, characterization 9535.
- **Corynebacterium flaccumfaciens subsp.oortii comb.nov.,**
  - new taxa, characterization 9535.
- **Corynebacterium flaccumfaciens subsp.poinsettiae comb.nov.,**
  - new taxa, characterization 9535
- **Corynebacterium genitalium,**
  - epididymitis, treatment, man 13233.
- **Corynebacterium glutamicum,**
  - glutamic acid, biosynthesis, isolation, media (enrichment) 178.
  - glutamic acid biosynthesis, molasses utilization 12375.
  - glutamic acid biosynthesis, nutrient requirements 12561.
  - L-lysine biosynthesis, media (culture), nutrient requirements 8542.
  - L-lysine biosynthesis, surfactants effects on 9703.
  - lysine production mutants, aspartokinase, enzymatic activity, characterization 1483.
- **Corynebacterium haemolyticum,**
  - chemical analysis, peptidoglycans, menaquinones, use, classification 9544.
  - infection, occurence, clinical isolates characterization, man, Sri Lanka 3319.
  - pharyngitis, diagnosis, etiology, man, case reports 3338.
- **Corynebacterium hydrocarboclastus,**
  - hydrogen autotrophy, phenotypes, transfer, Nocardia opaca, Rhodococcus erythropolis 6715.
- **Corynebacterium ilicis,**
  - new taxa, characterization 9535.
- **Corynebacterium insidiosum,**
  - biosynthesis, surfactants, role, roots, attachment 4090.
  - infection, effects on, transport, rubidium, Medicago sativa 1354.
  - interaction, Fusarium oxysporum f.sp.medicaginis, infection, Medicago sativa 13427
  - Medicago sativa wilt, infection effects on amino acids levels 13437.
  - phytotoxins, assays, wilt, Medicago 7877.
  - resistance, nitrogen fixation, association, Rhizobium meliloti, inoculation, Medicago sativa 3664
  - wilt, inhibition Fusarium oxysporum f.sp.medicaginis, Medicago sativa 10739.
- **Corynebacterium luteum,**
  - membrane permeability, vacuum effects on 12282.
- **Corynebacterium matruchotii comb.nov.,**
  - reclassification, Bacterionema matruchotii 12250.
- **Corynebacterium mediolanum,**
  - 21-acetate-3β,17α, 21-trihydroxy-5-pregnenone-20 conversion, cell cycle effects on 12373.
- **Corynebacterium melassecola,**
  - mutants, lysine production, freeze-drying effects on 5572.
- **Corynebacterium michiganense,**
  - disease resistance, hybridization, Lycopersicon esculentum× Lycopersicon chilense× Lycopersicon peruvianum var.humifusum 3673.
  - infection, Brassica oleracea, Lycopersicon esculentum, antibacterial activity, herbicides, effects on disease resistance 13433.
  - wilt, Medicago sativa 12113.
  - wilt, Medicago sativa, incidence 12112.
- **Corynebacterium michiganese subsp.insidiosum comb.nov.,**
  - new taxa, characterization 9535
- **Corynebacterium michiganese subsp.michiganese comb.nov.,**
  - new taxa, characterization 9535.
- **Corynebacterium michiganese subsp.nebraskense,**
  - new taxa, characterization 9535.
- **Corynebacterium michiganese subsp.sepedonicum comb.nov.,**
  - new taxa, characterization 9535.
- **Corynebacterium mycetoides sp.nov.,**
  - taxonomic revision 12253
- **Corynebacterium nebraskense,**
  - Zea mays, wilt, blight, phase typing, bacteriocin typing 8285.
- **Corynebacterium nephridii,**
  - thioredoxin, purification, amino acid sequence 4775.
- **Corynebacterium parvum,**
  - activation, alveoli macrophages, effects on, lectins receptors, glycosidase activity, guinea-pigs 9003.
  - association, leukocytes (mononuclear), activity, levels, cattle, juveniles 10216.
  - cattle, mixed infection, parainfluenza virus 3+Pasteurella haemolytica, effects on lung bacteria immune clearance 13034.
  - cell walls vaccines, biological activity 11634.
  - effects on arthritis, Mycoplasma pulmonis, immunomodulation, mice 2192.
  - effects on, Listeria monocytogenes tolerance, tumor-bearing mice, immune response 5208
  - effects on reticuloendothelial system function, mice, rabbits, albumin particles 8977.
  - endotoxins, rats liver diseases, association liver macrophages release proteolytic enzymes 8038.
  - immunostimulation, macrophages activation, tumors, animal models 5207.
  - immunotherapy, cervix carcinoma, man 4284.
  - induction, inflammation inhibition, association, ascites tumor cells, mice 8971.
  - killed, effects on, immunity (humoral), Plasmodium berghei, mice 4282.
  - lectins isolation, characterization 8924.
  - macrophages activation, cytotoxicity, mice leukemia cell lines 4296.
  - peritoneal exudate cells, mice, transfer, antitumor activity 9030.
  - radioactive labelling, technetium-99m, organotropism, distribution, animal models 3470

Corynebacterium parvum, (continued)
  treatment, gnotobiotics (germfree) mice, effects on peritoneal exudate cells antitumor activity, immunoregulation 9005.
  vaccination, toxicity, bronchus carcinoma, man 11635.
  vaccines, immunotherapy, breast carcinoma, man 9036.
Corynebacterium paurometabolum,
  lipid composition 9802.
Corynebacterium poinsettiae,
  carotenoids, stereochemistry 4792.
Corynebacterium pseudopyogenes,
  Bacteroides, isolation, abscesses, pigs 8094.
Corynebacterium pseudotuberculosis,
  infection, heart pathology, sheep 5466.
  strains characterization, association, goats infection 8310.
Corynebacterium pyogenes,
  antimicrobial activity, orthomercaptoazo compounds 3091.
  chemical analysis, peptidoglycans, menaquinones, use, classification 9544.
  Fusobacterium necrophorum, synergism, infection, uterus, postparturition, cattle 2371.
  isolation characterization, cattle fetuses 6347.
  mammary gland abscesses, pigs 5477
Corynebacterium rathayi,
  infection Lolium rigidum, isolation, toxins effects on nervous system, rats, sheep 8892.
  infection, toxins, isolation, contamination, Lolium rigidum 2964.
  new taxa, characterization 9535.
  parasitism, Lolium rigidum, sheep grazing, toxicity, kidney pathology 8879.
Corynebacterium renale,
  abscesses, mammary gland, man, case reports 2185.
  cystitis, pyelonephritis, sheep, case reports 5469.
  pili, isolation, clones 8351.
  pyelonephritis, treatment, penicillin+acetohydroxamic acid, rats 4436.
Corynebacterium sepedonicum,
  antisera, Solanum tuberosum ring rot bacteria cross-reactivity 13447.
Corynebacterium suis,
  media (isolation) 8254.
  taxonomic revision, association, Eubacterium suis comb. nov., characterization 8320.
Corynebacterium tritici,
  characterization, nomenclature, taxonomic revision, Corynebacterium iranicum, characterization, nomenclature, taxonomic revision 9535.
Corynebacterium ulcerans,
  exotoxins, characterization 10066.
  neuraminidase, purification, characterization 4012.
Corynebacterium vaginale,
  antigenic properties, indirect fluorescent antibody test 520.
  concurrent infection, candidiasis, vagina, man 3391.
  vaginitis, clinical aspects, diagnosis, man 5334.
Coryneforms,
  biochemical characteristics, morphology, base composition 10908.
  media (culture), chemical composition, effects on, gibberellin like, substances, biosynthesis, isolation, Pinus silvestris 9814.
  nutrient requirements 12399.
  taxonomy 8308.
Corynespora,
  spore germination, Azotobacter effects on 13457.
Coryphaena hippurus,
  cytochrome c, amino acid sequence determination 2678.
Coryza,
  immunization (passive), turkeys parents, association, offspring immunity 4330.
Cow's milk,
  cattle, Staphylococcus aureus, drug sensitivity testing, Brazil, USA, California 7869.
  immunosuppression, botulism, infants man, breast milk comparison 8960.
  isolation Acidaminococcus fermentans, identification, triacylglycerol lipase characterization 6471.
  mastitis, disease transmission, Streptococcus zooepidemicus, infection, chickens 4574.
Cosmetics,
  preservatives neutralization, bacteria media (culture), role 8259.
Cost-benefit analysis,
  antibiotics treatment, mixed infection, aerobic bacteria anaerobic microorganisms 6290.
  reagents quality control, Enterobacteriaceae identification 6465.
  Streptococcus pneumoniae vaccination, man 617.
  urinary tract pathogens identification, AutoMicrobic test 4696.
Costa Rica,
  diarrhea, bacteria, etiology, prophylaxis, treatment, epidemiology, children 11780.
  man, detection, Escherichia coli, enterotoxins, antibodies 3229.
  Pseudomonas solanacearum, soil levels, wilt, Solanum tuberosum, crop rotation, weed control, effects on 4605
  Pseudomonas solanacearum, wilt, soil levels, Solanum tuberosum, crop rotation, effects on 2415.
Costelytra zealandica,
  Hafnia alvei, infection 8126.
Cotard's syndrome,
  differential diagnosis, typhoid fever, Salmonella typhi, isolation, case reports, man 7200.
Cotransduction gap,
  transposons, insertion, Escherichia coli 6761.
Cotrifamol,
  +nalidixic acid, treatment, urinary tract infection, children 2075.
Cotrimazine,
  clinical trials, urinary tract infection, bacteria, man 7997.
  comparison, cotrimoxazole, urinary tract infection, bacteria, clinical trials, man 7998.
Cotrimoxazole,
  antibacterial activity, Mycobacterium 7852.
  antibacterial activity, Shigella 1699.
  antibacterial activity, Streptococcus pneumoniae clinical isolates 7799.
  antibiotic resistance, Enterobacteriaceae 5958.
  antibiotic resistance, Staphylococcus aureus, burn patients 8793.
  antibiotic sensitivity testing in vitro, Brucella melitensis clinical isolates 11383.
  antibiotic sensitivity testing, Listeria monocytogenes clinical isolates 5968.
Cotrimoxazole, (continued)
  bactericidal activity, Escherichia coli 6842.
  comparison, antibacterial activity, sodium hydrogen 3-(N-hydroxyformamido)propylphosphonate, in vitro, in vivo 1765.
  comparison, bracen, treatment, respiratory tract infection, bacteria, children 9113.
  comparison, cotrimazine, urinary tract infection, bacteria, clinical trials, man 7998.
  comparison, erythromycin, amoxicillin, treatment, respiratory tract infection, bacteria, children 11733.
  comparison, pivmecillinam, +pivampicillin, treatment, typhoid fever, man 9144.
  comparison, pivmecillinam+pivampicillin, clinical trials, urinary tract infection, man 6230.
  drug resistance, bacteria clinical isolates 11474.
  drug resistance, Enterobacteriaceae, septicemia, immunocompromised hosts 8863.
  drug resistance, Salmonella typhimurium, plasmids 402.
  drug resistance, Salmonella typhimurium, R factors replication 7874.
  drug sensitivity testing, urinary tract infection, pathogens 11460.
  effects on, leukocytes (neutrophilic), microbicidal activity, Staphylococcus aureus, man, chronic granulomatous disease 6840.
  Listeria monocytogenes, antibacterial activity 7853.
  Neisseria gonorrhoeae, antibiotic sensitivity testing 1728.
  Pneumocystis carnii infection treatment, pneumonia, man, kidney transplantation, dose-response effects 7973.
  prophylaxis, bacteriuria, prostatectomy, man 7034.
  prophylaxis, infection, neutropenia, man 7119.
  prophylaxis, neutropenia, rectum, intestinal microflora, Enterobacteriaceae, man 1923.
  prophylaxis, urinary tract infection, children 5331.
  prophylaxis, urinary tract infection, nosocomial infection, bacteria, man 847.
  Salmonella, antibiotic resistance 9996.
  Salmonella typhi, Salmonella paratyphi, antibiotic resistance, agar dilution test 3044.
  Streptococcus pneumoniae, antibacterial activity, in vitro 389.
  topical application, antibacterial activity, burn infection isolates, in vitro 1763.
  treatment, bacteria bronchitis, man 11747.
  treatment, bacteria infection, children 9242.
  treatment, biliary tract infection, bacteria, man 3511.
  treatment, chancroid, man 5349.
  treatment, cholangitis, Escherichia coli, Pseudomonas aeruginosa, association, enterostomy, case reports, infants, man 7023.
  treatment, cholecystitis, man 5436.
  treatment, endocarditis, meningitis, Staphylococcus aureus, infants, man 10554.
  treatment, gram-negative bacteria infection, cancer patients 9296.
  treatment, granuloma inguinale, penis, man, case reports 2105.
  treatment, Nocardia asteroides systemic infection, man, case reports 8043.
  treatment, prophylaxis, bacteria infection, man, in vitro antibacterial activity 11459.
  treatment, shigellosis, man 3437.
  treatment, Staphylococcus infection, cerebrospinal fluid shunts, man 10433.
  treatment, urinary tract infection, man 846.
  treatment, urinary tract infection, man 10391.
  treatment, Whipple's disease, man, case reports 3356.
  urinary tract infection treatment, comparison, rifampicin+trimethoprim, man 2065.
Cotton,
  association, gram-negative bacteria, electron microscopy, ultrastructure 5604.
  fibers, gram-negative bacteria, endotoxins, electron microscopy 3131.
Coturnix coturnix,
  Salmonella gallinarum experimental infection, pathogenesis 13379.
Cotyledons,
  Glycine max, effects on, nitrogen assimilation, growth 2470.
  Gossypium hirsutum, ultrastructure, blight, Xanthomonas campestris pv.malvacearum 12107.
  Helianthus giganteus, crown gall tumors, Agrobacterium tumefaciens 9413.
Cough,
  association, Branhamella catarrhalis, nasopharynx, children 1992.
Coulter counters,
  bacteria enumeration, use bacteriostats, milk 9519.
Coumermycin,
  analogs, antibacterial activity, inhibition, DNA gyrase, Escherichia coli, structure-activity relationships 11058.
  inhibition, DNA gyrase, DNA biosynthesis, Escherichia coli 5701.
Coumestrol,
  Glycine max, effects on bacteria growth 12091.
Counter immunoelectrophoresis,
  characterization, Salmonella typhimurium outer membranes, lipoproteins, lipopolysaccharides, porins 68.
  comparison, cytotoxicity, Clostridium difficile toxins detection 6855.
  detection, bacteria, antigens 11553.
  detection, Clostridium difficile toxins 4222.
  detection, Leptospira interrogans ser.hardjo, antigens 11536.
  detection, Streptococcus antigens 7903.
  diagnosis, infectious diseases, man 8908.
  diagnosis, legionnaire's disease, Legionella pneumophila, pneumonia, Mycobacterium pneumoniae, antibodies, serum levels, man 6985.
  diagnosis, meningitis, man 903.
  Haemophilus influenzae serotyping 3794.
  identification, bacteria clinical isolates, clinical microbiology 12230.
  identification Haemophilus influenzae infection, man 11966.
  identification Leptospira antigens, experimental infection guinea-pigs 6878.
  methodology, etiology, otitis media, Streptococcus pneumoniae, Haemophilus influenzae, man 775.
  toxins, Clostridium difficile, detection 1794.
Counting methods,
  aquatic bacteria, DNA fluorochromes 5565.
  bacteria 9520.
  bacteria contamination, frozen food, books 13538.
  bacteria, food contamination, fluorescence, membrane filtration 12214.
  Bifidobacterium, dairy products, pharmaceuticals 12207.
  coliforms 3772.
  coliforms, pasturized milk 12213.
  feces coliforms, membrane filtration 5566.
  membrane filtration, coliforms, Citrobacter freundii, false-negatives 12212.
Coupling,
  cell walls, growth, chromosomes, replication, gram-positive bacteria 1345.

Coupling factor B,
immunoassays, methodology, Escherichia coli, Paracoccus denitrificans, chloroplasts, heart cattle 4250.
Cowdria ruminantium,
heartwater fever, immunity, dithiosemicarbazone effects on, sheep 8953.
infection, goats, heartwater, association, plasma pigmentation 9345.
radiation effects on, Amblyomma hebraeum 1781.
strains, antigenic relationship, role, immunity 1851
Cowdria ruminatium,
disease transmission, Amblyomma sparsum, larvae, domestic animals 3599.
Coxiella burneti,
Q fever, epidemics, man, Germany, Fed. Rep. 6997
Coxiella burnetii,
antigenic relationship, Rickettsia, erythema isolates, man 13001
antigens, characterization 6055.
antigens, vaccination, immunity (cell-mediated), lysozyme effects on, guinea-pigs 575.
bronchopulmonary infection, antibiotics treatment, man, reviews 13155.
disease transmission, breast milk, man 1003
energy charge, ATP biosynthesis, pH, carbon sources, effects on 2670.
etiology, pneumonia, man 3321.
experimental infection, pathogenicity, juveniles, mice 13405.
Q fever, diagnosis, velationship, immunoglobulin M, occupational exposure, abattoirs, man 4458
Q fever, experimental infection, vaccines, immunological aspects, man 11643.
Q fever, outbreaks, zoonoses, sheep, man 2271.
Q fever, vaccination, complement fixation, agglutination, detection, antibodies 507.
infection, chickens, antibacterial activity, Allium sativum 12963.
infection farms, serological surveys, cattle, man, Czechoslovakia, 4489.
lipopolysaccharides, lipid A components 230.
lipopolysaccharides sugars content, association, growth 11228.
morphogenesis 58.
protein biosynthesis, nutrient requirements 1474.
Coxiella burnetti,
infection, man, rickettsiosis, pathology, characterization, case reports 9273.
Coxiella burnettii,
clinical aspects, Q fever, man 10473.
Coxsackievirus,
respiratory tract infection, correlation, pertussis, children, British Isles 790.
Coxsackievirus A,
+Mycoplasma pneumoniae, mixed infection, meningomyelitis, man 10431.
Crabs,
meat, Clostridium botulinum, heat resistance 2652.
Craniotomy,
+syringes aspiration, treatment, Streptococcus brain abscesses, man, case reports 6241
Crassostrea,
isolates, coliforms, most probable number, taxonomy 5575.
Crassostrea commercialis,
feces, release, Salmonella charity, Escherichia coli, temperature, effects on 12058.
Crassostrea gigas,
depuration, coliforms, methodology 7294.
Crassostrea virginica,
blood cells, chemotactic response, Bacillus megaterium effects on 2403.
hemocytes, chemotactic factors, Bacillus megaterium, Escherichia coli, glycoproteins, lipoproteins 8634.
Cream,
inhibition, leukocytes (neutrophilic), antibacterial activity, Staphylococcus aureus, blood, milk, cattle 4544.
Creatine kinase,
levels, cerebrospinal fluid, plasma, Streptococcus pneumoniae meningitis, man 2120.
serum levels use, tetanus diagnosis, man 11960.
Creatine phosphokinase,
serum levels, association, Legionnaire's disease, man 9120.
Cresol,
bactericidal activity, Mycobacterium bovis 10029.
Creutzfeldt-Jakob disease,
role, Spiroplasma, man 5340.
Cricetomys gambianus,
disease transmission, Anaplasma marginale, infection, cattle, juveniles, Nigeria 3631.
Crocodylia,
egg shells, biodegradation, bacteria 3845.
Crohn's disease,
antibody response, Eubacterium rectale, Peptococcus productus, Eubacterium contortum, man 9007.
association, immune response (cell-mediated), lymphocyte transformation, Pseudomonas maltophilia, Mycobacterium kansasii, man 3234.
association, intestinal microflora, man 6936.
bacteria, sulfasalazine treatment, man 11764.
Campylobacter fetus subsp.jejuni, clinical aspects, pathology, children, case reports 13185.
comparison, gastrointestinal tract tuberculosis, pathology, diagnosis, man 836.
cytotoxins, cytopathology, tissues, association, Clostridium difficile, man 12991.
diagnosis, serum antibody agglutination, Eubacterium, Peptostreptococcus, man 8916.
dysbacteriosis, ileum pathology, man 5264.
etiology, Eubacterium, Peptostreptococcus, man 9132.
fecal microflora, bacteria, man 5266.
incidence, antibodies, microorganisms, man 6115.
incidence Bacteroides, fecal microflora, relationship, metronidazole serum levels, man 834.
man, association, intestinal microflora characterization, use, gnotobiotics (germfree) rats 6938.
man, association, Treponema pallidum, syphilis proctitis, presentation, liver, case reports 4454.
relationship, Clostridium difficile, clinical aspects, case reports, man 11766.
role, viruses, bacteria, man, reviews 809.
treatment, metronidazole, sulfasalazine, effects on intestinal microflora, man 671.
treatment, metronidazole, sulfasalazine, man, fecal microflora, effects on 674.
Crop,
Salmonella paratyphi, competition, Lactobacillus, chickens 6328.
Crop fields,
manure fertilizer applications, coliforms, streams, water pollution 8240.
soil microorganisms abundance, soil moisture effects on, Rhizobium meliloti 10796.
soil microorganisms, population dynamics, nitrogen cycle, Canada 13474.
soil properties, nitrogen cycle, atrazine effects on, Zea mays 9455.
Zea mays, soil, Nitrosomonas, nitrification, phytotoxicity, revegetation, mineralization 6423.
Crop plants,
bacteria, pathogens, reviews 13424
rhizosphere, roots exudates, bacteria, population dynamics, nutrient dynamics 13462.
Crop production,
Beta vulgaris, bacteria pathogenicity effects on 13451.
Crop residues,
biodegradation, bacteria, mixed culture, calorimetry 10989
biodegradation, single-cell protein, biomass, technology, reviews 9624.
Hordeum vulgare, humic acids, humification, microorganisms 8182
Oryza sativa, burning, stem rot, Sclerotium oryzae, epidemiology 13445.
Crop rotation,
effects on, Pseudomonas solanacearum, soil levels, wilt, Solanum tuberosum, Costa Rica 4605.
effects on, Pseudomonas solanacearum, wilt, soil levels, Solanum tuberosum, Costa Rica 2415.
Glycine max, Sorghum bicolor, effects on, nitrogen fixation, yield 13486.
Crops,
Azotobacter chroococcum effects on seeds germination 13496.
Azotobacter chroococcum seed treatments, roots specificity 13497.
Beta vulgaris, rhizosphere microorganisms, pathogenicity, characterization 6431.
plant diseases, conferences 12200.
thidiazuron effects on soil microorganisms, nitrogen fixation, mineralization, proteins, cellulose 2456.
Cross-linking,
aspartate carbamoyltransferase subunits, effects on conformation, Escherichia coli 4909
aspartate carbamoyltransferase subunits, role subunits interaction, conformation, allosteric properties, Escherichia coli 4910.
peptidoglycans, amino acid analysis, cell walls, bacteria 7403.
peptidoglycans, penicillin-binding protein, Escherichia coli 7625.
psoralen, rRNA 16S, nucleotide sequence identification, probes secondary structure, Escherichia coli 6596.
ribosomal proteins+rRNA 16S, ribosomal subunit 30S, use 4-azido-2,3,5,6-tetrafluoropyridine, 4-azido-3,5-dichloro-2,6-difluoropyridine, Escherichia coli 6595.
ribosomal proteins, rRNA, radiation, correlation uridine 5'-phosphate dimers, Escherichia coli 5724.
tRNA Phe, ribosomes, Escherichia coli 7518.
use lasers, Escherichia coli RNA polymerase,
Cross-protection,
mice, antitumor activity, immunization, Salmonella enteritidis 9048.
Mycoplasma gallisepticum, strains, antigens, chickens 13004.
Yersinia enterocolitica, Yersinia pestis, hypersensitivity (delayed), association, temperature, mice 10215.
Cross-reactivity,
antigenic determinants, Nocardia asteroides, Nocardia caviae, Nocardia brasiensis 3174.
Mycobacterium smegmatis, peroxidase, antigens, Mycobacterium leprae, 3172.
polysaccharides, Klebsiella, Streptococcus pneumoniae, immunodiffusion, immune response, mice 3184.
Cross-resistance,
Mycoplasma mycoides subsp.capri infection, mice, role, Mycoplasma mycoides subsp.mycoides, isolates, goats, sheep 3249.
Treponema pallidum, Treponema pertenue, disease resistance, hamsters 10649.
Crossed immunoelectrophoresis,
antigenic characteristics, Mycobacterium bovis BCG 1870.
antigenic relationship, Legionella pneumophila serotypes, Legionella micdadei 4265.
Escherichia coli, hydrogenase, association, membranes 2589.
Staphylococcus aureus, nitrate reductase, membranes, cytoplasm, characterization 2787.
Crotalus durissus terrificus,
Leptospira infection, agglutination assays, serological surveys 7252.
Crotolaria anagyroides,
Rhizobium, acid, alkaline, reactions, biochemical analysis 2579.
Crown gall,
Agrobacterium tumefaciens, iron assimilation, relationship, virulence, plasmids, Helianthus 2413.
Agrobacterium tumefaciens, octopine, biosynthesis, role, tumors induction 4610.
Agrobacterium tumefaciens, plasmid Ti, transformation, Nicotiana tabacum 12090.
Agrobacterium tumefaciens, plasmid T1, protoplasts, Nicotiana tabacum 13423.
Agrobacterium tumefaciens, tumorigenesis, Helianthus annuus, temperature, effects on 4608
Agrobacterium tumefaciens, tumors, transformation, protoplasts, Nicotiana tabacum 9419.
DNA, mutation, transcription, characterization, Agrobacterium tumefaciens 5880.
DNA plasmids, correlation tumorigenesis, Agrobacterium tumefaciens, Nicotiana tabacum 5886.
DNA, transcription, homology, characterization, Agrobacterium tumefaciens, Nicotiana tabacum 5703.
formation, association, Daucus carota protoplasts, binding, Agrobacterium tumefaciens 6512.
genetic analysis, characterization insertion sequences, Ti plasmid, Agrobacterium tumefaciens 6769
Helianthus annuus, isolates, Agrobacterium tumefaciens, plasmid pTi DNA transcription, RNA characterization 4136.
Helianthus annuus, octopine synthase genes, location Ti plasmid, gene expression, Agrobacterium tumefaciens 7689.
Lycopersicon esculentum, biological control, use, Agrobacterium radiobacter mutants 12100.
Nicotiana tabacum, mRNA mapping, hybridization Agrobacterium tumefaciens Ti plasmid DNA 7691.
Nicotiana tabacum, tumors, characterization, Agrobacterium tumefaciens 8138.
pathogenesis, association, indole-3-acetic acid 5497.
relationship iaaP gene, restriction endonuclease mapping, Ti plasmid,

Crown gall, (continued)
Agrobacterium tumefaciens 11326.
tumors, Agrobacterium tumefaciens, cotyledons, Helianthus giganteus 9413.
tumors, Agrobacterium tumefaciens, experimental infection, octopine, biosynthesis, Datura stramonium 2419.
tumors, Agrobacterium tumefaciens, Ti plasmid, DNA transcription 2905.
tumors, cell walls, antigens sites 3661.
Crown rot,
Medicago sativa, Serratia marcescens, USA, Pennsylvania 12104.
Crustacea,
microflora, Clostridium perfringens 13363.
Cryoinjury,
Hordeum vulgare, association, Pseudomonas, freeze-thawing diseases 5506.
Cryopreservation,
vaccines, Anaplasma marginale subsp.centrale, association, infectivity, cattle 9047
Cryptococcus neoformans,
detection, blood culture, BACTEC test 3796.
isolation, sputum man 4356.
Cryptomonas,
interspecific relationships, symbiosis, Caulobacter 8157.
Crystal structure,
Escherichia coli aspartate carbamoyltransferase 12630.
Crystallization,
aspartate carbamoyltransferase, X-ray diffraction, structure, Escherichia coli 11134
Bacillus stearothermophilus lactate dehydrogenase 3999.
exotoxin A, Pseudomonas aeruginosa 7876.
Mycoplasma arginini membranes phospholipids, role, cholesterol 11237.
photosynthesis reaction centers, Rhodopseudomonas viridis 9725.
ribosomal protein B-L8 ribosomal protein B-L13 complex, Bacillus stearothermophilus 4818.
ribosomal proteins, Escherichia coli, Bacillus stearothermophilus 3905.
Staphylococcus leukocidin 10074.
Crystallography,
ferricytochrome C, Rhodospirillum molischianum 3884.
Crystals,
bioassays, toxicity, Bacillus thuringiensis, Ostrinia nubilalis 7897.
calcium phosphate, formation, urine, Escherichia coli, in vitro, role calculus 8651.
production, bacteria, electron microscopy 12739.
CTP synthetase,
substrate specificity, Escherichia coli 9769
Cuba,
Cocos nucifera, yellows, Mycoplasma-like organisms, pathology 8148.
Cucumber mosaic virus,
infection, Cucumis sativus, Pseudomonas lachrymans infection effect on disease resistance 12111.
Cucumis melo,
leaf spot, bacteria, symptoms, susceptibility 9400.
seedlings, inoculation, Erwinia tracheiphila, wilt, disease resistance, methodology 13444.
Cucumis sativa,
fruit rot, Rhizoctonia solani, endothall, paraquat, effects on 1151.
leafspot, Pseudomonas syringae, disease transmission, soil, air, greenhouses 7299
Cucumis sativus,
Colletotrichum lagenarium infection, disease resistance induction 13452.
cucumber mosaic virus infection, Pseudomonas lachrymans infection effect on disease resistance 12111.
proteins, characterization, defense mechanisms, disease resistance, Pseudomonas lachrymans, Erwinia tracheiphila 8141.
seedlings, resistance, Pseudomonas lachrymans, screening 2416.
seeds, relative humidity Pseudomonas lachrymans, effects on 9393.
Culex fatigans,
Bacillus sphaericus larvicides compounds activity, temperature effects on 4240.
Culex pipiens,
parasitism, pathology, Heterorhabditis bacteriophora association Xenorhabdus luminescens, Pseudomonas aeruginosa 8130.
parasitism, pathology, synergism, Xenorhabdus luminescens, Heterorhabditis bacteriophora 6392.
Culicidae,
host-pathogen interactions, Bacillus thuringiensis, isolation, characterization 9377.
larvae, biological control, use Bacillus thuringiensis δ-dendotoxin, toxicity, stability 12974.
pathogenicity, Bacillus thuringiensis varieties 4597.
Cultivars,
Citrullus lanatus, Pseudomonas pseudoalcaligenes subsp citrulli infection, disease resistance 9401.
Glycine max, yield, Rhizobium japonicum, inoculation, soil, effects on 2447.
Phaseolus vulgaris, genotypes, effects on, replication, Pseudomonas phaseolicola 2412.
Cultivation,
Frankia, Alnus glutinosa 2502.
soil, Triticum, effects on soil microorganisms metabolism 9459.
Trifolium pratense, nitrogen fixation, role Rhizobium trifolii 10776.
Cultural characteristics,
Actinobacillus, Pasteurella, poultry isolates, taxonomy 7395.
Actinoplanes, species characterization 8456.
effects on, Spiroplasma citri morphology, relationship, growth, replication, electron microscopy 74.
gram-negative bacteria, identification, taxonomy 6474.
Halosporobacterium patis gen.nov. sp.nov., spores, isolation fermented food 5576.
Leptospira, identification, serological tests, clinical aspects 10926.
Micrococcus, Staphylococcus, identification 1314.
Mycobacterium, identification, microscopy, methodology 10883
Mycobacterium leprae, glucose, uptake 9511.
Mycobacterium, serotyping, antigenic characteristics 6037.
Mycoplasma, isolation, identification, liquid culture 10857.
Pseudomonas aeruginosa, M form, reversion, motility 8707.
Pseudomonas pseudoflava, physiology, hydrogenase 5658.
Pseudomonas tomato, media (culture), carbon sources, nitrogen sources 8258.
psychrophilic bacteria, isolation, soil, temperature, effects on, DNA, RNA 12445.
Rhizobium, biochemical characteristics, Cicer arietinum isolates 13501.
Rhizobium trifolii, soil isolates, host plants specificity, Trifolium 9432.
Cultural characteristics, (continued)
Spiroplasma citri like, infection, Armoracia rusticana 1327.
Streptococcus mutans, serotypes, morphology, biochemical analysis, antigenic characteristics 10896.
Streptomyces kitasatoensis, association, leucomycin biosynthesis, magnesium phosphate effects on 4164.
Tatumella ptyseos gen nov. sp. nov., taxonomy 6484.
Treponema pallidum, in vitro culture 5562.
Vibrio alginolyticus, strains, isolates, biochemical analysis 8344.
Cultural conditions,
effects on, cycloserine, antibacterial activity, transport, Klebsiella aerogenes 1698.
induction nitrogen fixation competence, Azotobacter vinelandii 8209.
Culture,
anaerobic bacteria, isolation, identification 10916.
bacteria± Aspergillus oryzae, rice, koji 124.
bacteria, +electromagnetic radiation, methodology, models 8260.
bacteria, growth, detection, electrical impedance 14.
bacteria, L form, protoplasts, identification, clinical aspects 10927.
bacteria, methodology, endometrium, horses 1272.
bacteria, parathion hydrolase production 194.
bacteria, use, dextrans 7365.
bacteria, waste treatment 7367.
Bacteroides fragilis, supernatants, antigenic characteristics 5192.
blood, isolation, Campylobacter fetus, lymphoma, man 2545.
bone marrow, diagnosis, Mycobacterium, infection, man 5445.
bone marrow, Mycobacterium, use, diagnosis, lung mycobacteriosis, man 6973.
Bordetella, isolation, identification, clinical aspects 10892.
Borrelia, clinical aspects, diagnosis, man 12020.
Caulobacter, reviews 3795.
chemostats, Lactobacillus plantarum, Streptococcus mutans, cell walls teichoic acids characterization 11230.
Chlamydia, clinical isolates, identification, clinical microbiology 12233.
Chlamydia, taxonomy, isolation, identification, clinical aspects 10920.
Clostridium acetobutylicum protoplasts, production, regeneration 5564.
Clostridium, isolation, identification, characterization 10922.
Clostridium oncolyticum, cell lines, tumor cell lines 11.
Corynebacterium 1269.
Cyanophyta, contamination, association, hydrogen bacteria 12216.
digestive tract symbionts, bacteria, Lolita grandis 4596.
gelatin, Proteus mirabilis proteinase production 9779.
gram-positive bacilli, anaerobic bacteria, isolation, identification 10915.
gram-positive bacteria, media (selective), Proteus mirabilis, urine 4664.
Haemophilus, isolation, identification, serological tests, clinical aspects 10893.
in vitro, in vivo, sheep, staphylococcus aureus growth, virulence 8929.
in vitro, Treponema pallidum, cultural characteristics 5562.
Klebsiella aerogenes, chemostats, calorimetry 4670.
Megasphaera elsdenii, starvation, effects on survival 97.
methodology, antibiotics screening 7745.
microorganisms, wound infection, burns, man 699.
mushrooms, bacteria, fungi, composts, dust, enumeration 2468.
Mycobacterium bovis, growth curves, oxygen tension 9625.
Mycobacterium lepraemurium identification, animal models 5577.
Mycoplasma, diagnosis, infection, reviews 9568.
Mycoplasma, isolation, identification, taxonomy, diagnosis 10921.
mycoplasma-like organisms, viability, yellows 5560.
Rhizobium, factors affecting survival, association, freeze-drying, storage 9514.
Rhizobium, growth, interference 3865.
Rickettsia tsutsugamushi, nuclei localization, growth, L cells 7440.
Salmonella, detection, fluorescent antibody test, methodology 1263.
Salmonella, diagnosis, salmonellosis, chickens 2.
Shigella flexneri, mutants, identification, morphology, virulence 11285.
specimens, identification, diagnosis, clinical microbiology 13255.
Treponema, isolation, identification, clinical aspects 10925.
Treponema pallidum, characterization, methodology, reviews 7366.
Ureaplasma urealyticum, Mycoplasma, isolation, genital microflora, man 9510.
urine, bacteria detection, evaluation 2563.
urine, respiratory tract, genital tract, wounds, Enterobacteriaceae, identification, API test, Micro-ID test 4693.
Culture collections,
fungi, contamination, bacteria, purification, methodology 4678.
Fusobacterium mortiferum, viability, freeze-drying, temperature effects 2531.
Culture conditions,
Bacillus megaterium, relationship, immunomodulation, mice 549.
Thiobacillus, acetate, thiosulfate, limitations, growth 5561.
Culture (media),
Neisseria gonorrhoeae, induction, serum resistance 5986.
+serum, effects on Chlamydia trachomatis, juveniles, cattle 5559.
Culture systems,
Chlamydia trachomatis, isolation sexually-transmitted diseases, screening, clinical isolates 6452.
Cured products,
sodium nitrite, inhibition, Clostridium botulinum, metabolism, preservatives 8820.
Curing,
plasmids DNA, Bacillus subtilis 1687.
Streptococcus cremoris, phage ΦMU1 characterization 1653.
Curtobacterium,
colonization, population growth, rhizosphere, gnotobiotics, Hordeum vulgare 4629.
comparison, Agromyces, Arthrobacter, Brevibacterium, Corynebacterium, Microbacterium, nucleic acids hybridization 12523.
growth, interaction, Mycoplana, Pseudomonas, rhizosphere, gnotobiotics, cereals 3684.
Curvularia,
spore germination, Azotobacter effects on 13457.
Custard,
enterotoxins, Staphylococcus aureus, detection, enzyme-linked immunosorbent assay 5994.
Cuticle,
microorganisms, metabolism, insecticides, dieldrin, Calliphora erythrocephala 8135.
Cyaloparaffin,
biodegradation, gram-negative bacteria, screening 11000.
Cyanacobalamin,
Protaminobacter ruber 150.

Cyanide,
  drug resistance, Enterobacter, β-cyano-L-alanine biosynthesis 3939.
  effects on nitrate reductase activity, Escherichia coli 8563
  Klebsiella, respiration, sensitivity 7481
  Pseudomonas aeruginosa, respiration, resistance, membrane potential, spheroplasts 12492.
β-Cyano-L-alanine,
  biosynthesis, cyanide drug resistance Enterobacter 3939.
Cyanocobalamin,
  effects on tRNA methylation, Escherichia coli 12586.
Cyanocobalanin,
  biosynthesis, Protaminobacter ruber, regulation, factors affecting 3888.
Cyanonaphthyridomycin,
  synthesis, antimicrobial activity 11418
Cyanophyta,
  bacteria, evolution, chemical properties, reviews 12744.
  culture, contamination, association, hydrogen bacteria 12216.
  mixed culture, Mycobacterium, hydrocarbons biodegradation 11007.
  taxonomy 43
Cyclic AMP,
  accumulation, intestine, rats, induction, Vibrio cholerae toxins, loperamide effects on 5178
  accumulation, stimulation, Vibrio cholerae toxins, glia tumor cells, calcium effects on 5169
  association, adenylate cyclase activity, Bordetella, repression 9733.
  binding DNA, characterization, Escherichia coli 5699.
  +catabolite activator protein, Escherichia coli, role transcription modulation 7502.
  effects on Escherichia coli cell division 83.
  effects on, Escherichia coli galactose operon promoters 4807
  effects on, lactic acid, production, Streptococcus lactis 1556.
  effects on, Mycobacterium smegmatis, spheroplasts, acetate, membrane biosynthesis 2592
  Escherichia coil, association, catabolite repression, enzymes biosynthesis, induction 8622
  Escherichia coli, biosynthesis, excretion, intracellular levels, continuous culture 9610
  Escherichia coli, effects on catabolite repression, enzymes 8617.
  Escherichia coli, hydrolysis activity, association, polyamines 9697.
  Escherichia coli, induction gene expression, lactose operon 6708.
  Escherichia coli, metabolism, polyamines effects on 1366.
  extracellular levels, Vero cells, induction Escherichia coli enterotoxins 8888.
  Gluconobacter oxydans, effects on levansucrase biosynthesis 12617.
  induction, macrophages, antibacterial activity, in vitro 9010.
  induction, Streptomyces venezuelae, catabolite repression 7446.
  levels, Mycobacterium tuberculosis, tuberculosis, plasma, man 3346.
  levels, periodontitis, epinephrine effects on, man 716.
  levels, rats liver epithelium, Vibrio cholerae toxins effects on 10132.
  levels, stimulation Aeromonas hydrophila enterotoxins, epithelium, intestine, rabbits 8882.
  modulation catabolite activator protein binding double-stranded DNA, Escherichia coli 11180
  receptors, binding sites, deo operon, Escherichia coli 12517.
  receptors proteins, cyclic AMP binding effects on structure, N.M.R., Escherichia coli 4839
  role, Escherichia coli cell envelopes growth 2603.
  role, Mycoplasma pneumoniae adherence, glass 73.
  Streptomyces griseus, levels, association, streptomycin biosynthesis, phosphate effects on 1580.
  uptake, bacteria, marine environment 4771
  Vibrio cholerae strains, intracellular levels, extracellular levels 4086
3':5'-Cyclic AMP phosphodiesterase,
  characterization, Klebsiella aerogenes, association, cell death 12688.
Cyclic AMP-binding protein,
  binding sites ompA gene promoters, nucleotide sequence, Escherichia coli 1634.
  effects on DNA unwinding, Escherichia coli 5710.
  isolation, characterization, fragmentation, Escherichia coli 1488.
Cyclic nucleotides,
  binding catabolite activator protein, N.M.R., Escherichia coli 11117.
3':5'-Cyclic-nucleotide phosphodiesterase,
  activation proteolysis, kinetics, Escherichia coli 1508
  isolation, characterization, Escherichia coli 2783.
  proteins inhibitors, isolation, characterization, Escherichia coli 2738.
Cyclidium,
  population dynamics, continuous culture, bacteria flocculants effects on 2661.
6 Cyclo-octylamino-5,8-quinolinequinone,
  antibacterial activity, Mycobacterium tuberculosis, in vitro 417.
Cyclobutane pyrimidine,
  dimers, DNA repair, role, Micrococcus luteus endodeoxyribonuclease (apurinic or apyrimidinic), models 9730.
Cyclohexane carboxaldehyde,
  inhibition DNA polymerase, Escherichia coli 11174.
Cyclohexanedione,
  allosteric inactivation, glucose-1-phosphate adenylyltransferase, role arginine residues Escherichia coli 7592.
Cycloheximide,
  effects on Chlamydia trachomatis yield, McCoy cells 4683.
Cyclohexone oxygenase,
  mechanisms, bacteria 7568
3-Cyclohexyl-5,6-trimethyleneuracil,
  effects on, growth, oxygen uptake, nitrogenase acitivity, association, bioaccumulation, Azotobacter chroococcum 9640.
Cyclopentadiene,
  derivatives, synthesis, antibacterial activity 8843.
Cyclopentadienone,
  derivatives, synthesis, antibacterial activity 8843.
Cyclophosphamide,
  treatment, pneumonia, Chlamydia trachomatis, animal models 4392.
Cyclopropane,
  Methylococcus capsulatus, oxidation 109.
Cycloserine,
  antibacterial activity, transport, Klebsiella aerogenes, cultural conditions, effects on 1698.
Cyclosporin A,
  effects on lymphocytes T suppression, Actinomyces viscosus periodontitis, rats 6103.
Cyclura cornuta,
  bacteria infection, macrophages, bone marrow 10700.
Cycluserine,
  antibacterial activity, Bacillus sphaericus, D-alanine aminotransferase inhibitors 8608
Cyprinus carpio,
  bacteria, erythrodermatitis, etiology 4584.
  Bacteroides, intestinal microflora, identification 6476.
  mucophilosis, etiology, bacteria 1089.
Cyproteronacetate,
  treatment, acne, man 5270.
Cyprus,
  sheep, goats, abortion, bacteria, prophylaxis 1087.
Cyst,
  abscesses, Salmonella brandenburg, endometrium, man, case reports 11831.
  ovary, Salmonella typhi, pregnancy, man, case reports 2086.
Cystathionine β-lyase,
  cloning, deletion mutant, Escherichia coli 7546.
Cysteic acid,
  Bacillus subtilis, role, sporulation 2585.
Cystein,
  biosynthesis, Neisseria gonorrhoeae, role thiosulfate reductase 7593.
Cysteine,
  analogs, amino acid, biosynthesis, Pseudomonas 2725.
  L-aspartic-β-semialdehyde affinity labelling, active sites, aspartate ammonia-lyase, Escherichia coli 6639.
  decomposition, carbonyl sulfide, detection, paddy fields, soils 7328.
  effects on, cadmium toxicity, Staphylococcus aureus 443.
  inhibition, isoleucine biosynthesis, derepression, ilvGEDA operon, Escherichia coli 8689.
  residues, 2-bromoacetamido-4-nitrophenol alkylation, cytochrome P-450cam, Pseudomonas putida 12479.
L-Cysteine,
  potentiation, hydrogen peroxide antibacterial activity, Escherichia coli 12947.
Cystic fibrosis,
  antibiotics treatment, cephalosporins, antibacterial activity, Pseudomonas aeruginosa, Staphylococcus aureus, man 5087.
  antigen-antibody complexes, serum levels, Pseudomonas aeruginosa, Staphylococcus aureus, man 3232.
  antisera, leukocytes (polymorphonuclear), monocytes, phagocytosis, Pseudomonas aeruginosa 13043.
  association, Pseudomonas aeruginosa, respiratory tract infection, chemotherapy, man 4398.
  clinical isolates, nonmucoid Pseudomonas aeruginosa, media (selective), use, iron 9506.
  clinical isolates, Pseudomonas aeruginosa, utilization, man respiratory tract secretions, growth 9664.
  man, Escherichia coli, isolation, characterization 949.
  man, infection, Pseudomonas aeruginosa, treatment, carbenicillin, gentamicin, aerosols 9261.
  man, Pseudomonas aeruginosa, antibiotic resistance, β-lactam antibiotics 382.
  Pseudomonas aeruginosa, antibacterial activity, aminoglycoside antibiotics, β-lactam antibiotics, peptide antibiotics, man, in vitro 1703.
  Pseudomonas aeruginosa clinical isolates, antibiotic resistance, role, outer membranes proteins 397.
  Pseudomonas aeruginosa infection, tobramycin, +penicillins treatment, man 12026.
  Pseudomonas aeruginosa, respiratory tract infection, treatment, azlocillin+gentamicin, man 11708.
  Pseudomonas aeruginosa, serum antibodies, immunological aspects 4308.
  Pseudomonas aeruginosa virulence, proteinase, man 11142.
  respiratory tract infection, Pseudomonas aeruginosa, treatment, tobramycin+penicillins, man 11712.
  respiratory tract infection, Pseudomonas aeruginosa, treatment, azlocillin± aminoglycoside antibiotics, man 11714.
Cystine,
  effects on assimilation, calcium sulfate, selectivity, Escherichia coli 7473.
Cystine trypticase,
  media, fermentation, methodology, anaerobic bacteria 9513.
  media, fermentation, methodology, anaerobic bacteria 9513.
Cystitis,
  bacteria, diagnosis, treatment, man, juveniles, case reports 4428.
  Clostridium perfringens, lung, man, case reports 6967.
  Corynebacterium renale, sheep, case reports 5469.
  diagnosis, treatment, etiology, man 13206.
  Escherichia coli, association, pregnancy, man 7053.
  Escherichia coli isolates, virulence, man 11557.
  Escherichia coli, role, leukocytes (polymorphonuclear), animal models 5328.
  gram-negative bacteria, treatment, nalidixic acid, man 4431.
  man, recurrent, vagina, colonization, Enterobacteriaceae, menstrual cycle effects on 9145.
  Proteus mirabilis, experimental infection, treatment, trimethoprim+sulfadiazine, juveniles, horses 2379.
  urinary tract, infection, treatment, man, reviews 6220.
Cystobacter fuscus,
  althiomycin biosynthesis 11361.
  althiomycin, isolation, identification 7713.
Cystoseira balearica,
  antimicrobial activity, Bacillus subtilis, Phoma tracheiphila, tobacco mosaic virus, Sicily 1767.
Cystoseira modicaulis,
  pathology, bacteria parasites 13456.
Cystoseiraceae,
  extracts, antifungal activity, antibacterial activity, marine environment 1772.
Cysts,
  Azospirillum, formation, characterization, Graminae isolates, USA 3831.
  Bacillus cereus, resistance, U.V. radiation, heat, alcohols 11473.
  Bdellovibrio, chemical composition 1360.
Cytochemistry,
  phenolics, Nicotina, hypersensitivity, Pseudomonas solanacearum 2407.
Cytochrome a_1,
  Escherichia coli, binding, carbon monoxide, light effects 2689.
Cytochrome b,
  Halobacterium halobium mutants, isolation, characterization 2679.
  Raman spectroscopy, heme interactions, Paracoccus denitrificans 10966.
  reduction, NADH effects on, chromatophores, Rhodospirillum rubrum 1415.
  Rhizobium japonicum bacteroids, electron transport chain, hydrogen oxidation

Cytochrome b, (continued)
6549
Cytochrome c,
amino acid sequence determination, Coryphaena hippurus 2678.
Paracoccus denitrificans, isolation, characterization 3932.
Raman spectroscopy, heme interactions, Paracoccus denitrificans 10966.
redox potential, Rhodospirillum rubrum, Rhodopseudomonas palustris, Chromatium vinosum 9708.
redox properties, electron transfer, Chlorobium thiosulfatophilum 12473.
Rhizobium japonicum bacteroids, electron transport chain, hydrogen oxidation 6549.
spectroscopy relationship structure, Rhodospirillum molischianum 12478.
Cytochrome c3,
Desulfovibrio vulgaris, structure, X-ray diffraction 3868.
Cytochrome c551,
reduction oxidation, pH effects, electron transport, Pseudomonas aeruginosa 1417.
Cytochrome c oxidase,
copper, manganese E.S.R., Paracoccus denitrificans 4023.
electron transfer kinetics, cytochrome c551, Pseudomonas aeruginosa 11023.
electron transport chain, Micrococcus luteus 12484.
oxygen, reaction, Paracoccus denitrificans 4063.
Paracoccus denitrificans, oxidative phosphorylation, protons translocation 12474.
photochemistry, lasers, Bacillus subtilis, Azotobacter vinelandii, Escherichia coli, Pseudomonas putida 2753.
purification, characterization, membranes, Azotobacter vinelandii 4058.
purification, characterization, Rhodopseudomonas capsulata 11203.
purification, characterization, Rhodopseudomonas sphaeroides 11143.
structure, reaction mechanisms, Paracoccus dentrificans, heart, cattle 185.
Thiobacillus ferrooxidans, isolation, characterization 7583.
Cytochrome c-551,
isotypes, purification, characterization, Methylomonas 3871.
Cytochrome c-551.5,
Desulfuromonas acetooxidans, characterization 4777.
Cytochrome cd1,
heme environments, Raman spectroscopy, Pseudomonas aeruginosa, Paracoccus denitrificans 6610
N.M.R., Pseudomonas aeruginosa 12477.
Cytochrome c3,
amino acid sequence, Desulfovibrio desulfuricans 4836.
Desulfovibrio, antigenic characteristics, cross-reactivity 11556.
purification, characterization, Desulfovibrio desulfuricans 8468.
structure, folding, Desulfovibrio vulgaris 5683.
Cytochrome c4,
X-ray crystallography, Pseudomonas aeruginosa 3869.
Cytochrome c549,554,
purification, characterization, Nitrobacter agilis 3877.
Cytochrome c550,
amino acid sequence determination, Paracoccus denitrificans 2678.
purification, characterization, Nitrobacter agilis 3877.
Cytochrome c551,
electron transfer kinetics, cytochrome c oxidase, Pseudomonas aeruginosa 11023.
structure, oxidation state effects on, X-ray diffraction, Pseudomonas aeruginosa 7482.
Cytochrome c552,
purification, characterization, Pseudomonas perfectomarinus 2732.
Cytochrome c553,
purification, characterization, Nitrobacter agilis 3877.
redox properties, E.S.R., polarography, Desulfovibrio vulgaris 11112.
Cytochrome d,
Acinetobacter, role, electron transport chain, phosphorylation 2688.
Arthrobacter crystallopoietes, growth stage, oxygen concentration, effects on 5689.
Azotobacter vinelandii, ligands effects on, spectroscopy 3875.
photolysis, Escherichia coli, temperature effects on 12488.
Cytochrome o,
Acinetobacter, role, electron transport chain, phosphorylation 2688.
Escherichia coli, bioaccumulation, association, respiration 1425.
formation, oxygen interaction, Escherichia coli 6519.
oxygen, carbon monoxide binding, I.R. spectroscopy, Vitreoscilla 5688.
Cytochrome oxidase,
Pseudomonas aeruginosa, heme, Raman spectroscopy 11157.
Cytochrome P-450,
Acinetobacter, detection, growth, n-hexadecane 141.
Bacillus megaterium, role, fatty acids hydroxylation, +oxidation 4788.
bacteria, +camphor, U.V. radiation reduction, mechanisms 12480.
cobalt substituted, E.S.R., Pseudomonas putida 3886.
heme reconstitution, E.S.R., Pseudomonas putida 3885.
redox potential relationship spin transitions, Pseudomonas putida 4774.
reduction, bacteria, association, carbon monoxide, proteins conformation role 12495.
Salmonella minnesota endotoxins effects on, liver, mice 11513.
Cytochrome P-450cam,
amino acid sequence, Pseudomonas putida 8522.
2-bromoacetamido-4-nitrophenol alkylation cysteine residues, Pseudomonas putida 12479.
Cytochrome peroxidase,
E.S.R., Pseudomonas 4866.
Cytochrome P450,
reconstitution, kinetics dehydrocamphor epoxidation, Pseudomonas putida 6534.
Cytochromes,
Bacillus akalophilus, mutants, phenotypes 9819.
cell membranes, Campylobacter fetus subsp.jejuni, respiration, association, hydrogen atmosphere 12451.
comparison, electron transport, Bacillus alcalophilus, mutants 5685.
Escherichia coli, characterization, association growth conditions, cell cycle 12501.
inhibitors, effects on Photobacterium fischeri luminescence 12493.
levels, Pseudomonas aeruginosa, association, neomycin antibiotic resistance 9997.
ligands binding, membranes, thermophilic bacteria 6490.
reconstitution, role, ATP, membranes, mutants Escherichia coli 7485.
role electron transport, potassium cyanide inhibition, mechanisms, Methylophilus methylotrophus 7480.
Cytokinins,
Arthrobacter, effects on Lactuca sativa acid phosphatase activity 8650.
isoprenoid nucleosides, isolation, tRNA, Agrobacterium tumefaciens 1453.
Lactobacillus acidophilus, biosynthesis 1578.
Cytokinins, (continued)
levels, virescence, Mycoplasma, infection, Catharanthus 3671.
Cytology,
lymph nodes, leprosy, man 701.
plants, bacteria staining, observation methods, microscopy 12215.
Rhizobium japonicum nodulation, Glycine max 10770.
Cytolysis,
Bacillus, isolation, soil 12115.
bacteria, defense mechanisms, complement, man 6904.
bacteria, N,-N-dimethyl-1-methyldodecylamine oxide, antibacterial activity 10937.
cell culture, Mycoplasma pneumoniae contamination 9529.
yeasts, bacteria, enzymes, Bacillus subtilis, Bacillus circulans 12593.
Cytolytic activity,
nocardicin A, mecillinam, Escherichia coli 6804.
Cytomegalovirus,
association, pneumonitis, infants 5287.
etiology, pneumonia, man 3321.
infection, relationship, pseudomembranous colitis, man 13161.
plaque formation, minks lung cell culture 3776.
retinitis, mixed infection, Mycobacterium avium-intracellulare, lymphocytes T immunodeficiency, homosexuality, man 13266.
Cytopathogenesis,
Clostridium difficile toxins, feces, children man, association diarrhea 6017.
Cytopathology,
Crohn's disease, ulcerative colitis, cytotoxins, tissues, association, Clostridium difficile, man 12991.
Rocky Mountain spotted fever, man, case reports 13349.
Cytophaga,
adherence, glass, Enteromorpha linza 4731.
Cytophaga johnsonae,
auxotrophy mutants, growth, nutrient requirements 1270.
fatty acid composition 9801.
survival mechanisms, factors affecting 12418.
Cytoplasm,
Acholeplasma laidlawii, proteins isolation, characterization 1467.
cells, growth, bacteria 12424.
Citrobacter freundii, Escherichia coli, colicin A, biosynthesis 4161.
Citrobacter freundii, Escherichia coli, localization, colicin A 4161.
Glomus caledonius, bacteria like organelles, characterization 7313.
Listeria monocytogenes, budding, morphology, ultrastructure 2596.
membranes, Citrobacter freundii, ATP pyrophosphatase, thermodynamics 2764.
Methylosinus trichosporium, cytoplasmic membranes, methane mono-oxygenase, distribution, growth conditions, effects on 2769.
nitrate reductase, Staphylococcus aureus, membranes, characterization, crossed immunoelectrophoresis 2787.
Staphylococcus, I.R. radiation spectroscopy 12296.
Tetratoxum excavatum, compartmentation, bacteria symbionts 7311.
Ureaplasma, strains, proteins, electrophoresis 12568.
Cytoplasmic membranes,
antibodies probes, bacteriorhodopsin, Halobacterium halobium 10155.
Bacillus subtilis, surface charge, detection use ferritin+protamine complex labelling 10957.
Brevibacterium linens, glycoproteins, isolation, characterization 11099.
Chromatium minutissimum, membrane structure, freeze-fracture 10958.
Escherichia coli, mutants, septation, role, oxygen, radiation, effects on 2590.
Escherichia coli, penicillin-binding protein precursors 8540.
Escherichia coli, phage f1, coat protein orientation 6732.
Escherichia coli, phage M13 coat protein incorporation 12814.
glycerolphosphate acyltransferase, purification, characterization, reconstitution, Escherichia coli 4874.
Methylomonas methanica, membrane structure, methane, oxygen effects on 10953.
Methylosinus trichosporium, cytoplasm, methane mono-oxygenase, distribution, growth conditions, effects on 2769.
penicillin-binding protein, multiple forms, localization, purification, characterization, Clostridium perfringens 6603.
Pseudomonas testosteroni, steroid-binding protein 3937.
Rhodopseudomonas capsulata, protonmotive force, relationship membrane conductance 12312.
Rhodopseudomonas sphaeroides, penicillin-binding protein, assays 1471.
succinate dehydrogenase, anions effects on kinetics, physicochemical properties, Escherichia coli 11162.
Cytosine,
effects on aflatoxin B1 Bacillus megaterium toxicity 4208.
Cytosine deaminase,
Salmonella typhimurium, pyrimidines, effects on enzymatic synthesis 6635.
Cytostasis,
Plasmodium vinckei petteri, Escherichia coli, lipopolysaccharides, effects on, mice 10209.
Cytotoxicity,
Actinobacillus actinomycetemcomitans toxins, leukocytes (polymorphonuclear), man 3148.
antibody-dependent cell-mediated, role, infection, bacteria, viruses, autoimmune diseases, graft-versus-host reaction 8968.
cell lines, Corynebacterium diphtheriae, diphtheria toxins, association, proteins, injection effects on toxicity, animals 10088.
cell-mediated, natural killer cells, bacteria infection 6899.
Chlamydia trachomatis, interaction, leukocytes (polymorphonuclear), man 10184.
Clostridium butyricum, pathogenicity, characterization, laboratory animals 3587.
Clostridium difficile, effects on HeLa cells membranes, ATP 6021.
comparison, counter immunoelectrophoresis, Clostridium difficile toxins detection 6855.
Corynebacterium diphtheriae, toxins, effects on lysosomes transport 1818.
Corynebacterium diphtherias toxins, lysine polymers effects on 10076.
Corynebacterium parvum, macrophages activation, mice leukemia cell lines 4296.
Escherichia coli, photosensitization, Tagetes α-terthienyl 7854.
Haemophilus influenzae, immunoglobulin G, activation, complement, alternative pathway 10195.
immunosuppression, Corynebacterium diphtheriae toxins, monoclonal antibodies 6910.
leukocytes, Fusobacterium necrophorum, production, in vitro, characterization 12990.
lymphocytes, Streptococcus group A protein M, pathogenesis rheumatic fever 7110.
lymphocytes T, immune response, Mycobacterium tuberculosis, antigens 11627.
macrophages, Mycobacterium microti, lymphokines activation, in vitro 8966.
marcrophages, immune response, Escherichia coli, Staphylococcus aureus, opsonization 9000.

Cytotoxicity, (continued)
monocytes, immunosuppression, Mycobacterium intracellulare infection, children, case reports 594.
Pasteurella haemolytica, cattle leukocytes 6005
Pasteurella haemolytica, leukocytes (neutrophilic), cattle 559
Streptococcus pyogenes lipoteichoic acid glycolipids, heart cells, man 12696
supernatants, Legionella pneumophila, thermal stability, association, necrosis, mice 11522
Cytotoxicity testing,
enterotoxins, methodology 7875.
Cytotoxins,
biosynthesis, Aeromonas hydrophila, Plesiomonas shigelloides, man isolates, effects on mice 1801
Crohn's disease, ulcerative colitis, cytopathology, tissues, association, Clostridium difficile, man 12991
macrophages, Pasteurella haemolytica purification, characterization 8868.
Cytovaricin,
isolation, characterization, Streptomyces 9917.
Czechoslovakia,
antibiotics treatment, man, surveys 10607.
cattle, man, infection farms, Coxiella burnetii, Chlamydia, serological surveys, 4489
cattle, mastitis, control programs 2383.
incidence, tomato bushy stunt virus, Prunus avium 1138.
laboratories, incidence, yersiniosis, Yersinia enterocolitica 10357.
man, rheumatic fever, rheumatic heart diseases, Streptococcus group A, prognosis 8048.
Medicago sativa, witches' broom, mycoplasma-like organisms incidence 2414.
rivers, freshwater pollution, agricultural runoff, Myxobacteria, Pseudomonas aeruginosa 1186

Dacryocystitis,
bacteria distribution, screening 6852.
Dactimicin,
antibiotics, Dactylosporangium matsuzakiense, biosynthesis, structure 2973.
Dactylosporangium,
production, aminoglycoside antibiotics 311.
Dactylosporangiun matsuzakiense,
biosynthesis, dactimicin, antibiotics, structure 2973.
Dairy industry,
effluents, incidence, bacteria, Belgium 1241
proteolytic enzymes, production, technology, conferences 6450.
surfaces, bacteria adherence 79.
Dairy products,
Bifidobacterium, counting methods 12207
contamination, spore-forming bacteria, anaerobic conditions 9654.
spoilage microorganisms, growth inhibition test, Streptococcus lactis subsp.diacetylactis, Leuconostoc cremoris, Leuconostoc dextranicum 6846
sterilization, heat resistance bacteria, conferences 10842
ultrahigh temperature pasteurization, heat resistance, Pseudomonas lipase 8596.
Dairy starters,
penicillin, streptomycin, effects on 6788.
Dama dama,
feces, Mycobacterium isolation, characterization 10710.
serum, incidence, Brucella, antibodies, Germany, Fed Rep. 3637.
serum, incidence, Brucella, antibodies, Germany, Fed. Rep. 3637.
Damage,
frost, Citrus, association, bacteria, nuclei, cold resistance 2560
photoinduction, repair mechanisms, Escherichia coli acriflavin sensitivity, liquid culture effects on 7866
radiation, Escherichia coli, association, oxygen 12952
Damping-off,
Pseudomonas tomato, inhibition, seeds germination, growth, Lycopersicon esculentum 3669
Dantrolene,
treatment, tetanus, man, case reports 2247.
Daphnidae,
eggs, infection, bacteria, disease resistance, relationship, food competition 10729.
Dapsone,
antagonism, clofazimine, treatment, leprosy, man 11675.
drug resistance development, immunosuppression, man, leprosy, association, pregnancy, Mycobacterium leprae 3280.
drug resistance, leprosy, Mycobacterium leprae, diagnosis, treatment, man 6945
drug self-administration, leprosy, man, Ethiopia, Mycobacterium leprae 3277.
effects on haptoglobin, leprosy treatment 6145.
+rifampicin+lamprene, treatment, leprosy, man 4362
treatment, leprosy, side effects, man, case reports 1925.
Data acquisition,
computer applications, aquatic microorganisms identification 7389.
Data processing,
bacteriology, computer applications, laboratories, hospitals 2572.
clinical microbiology, computer applications 7374.
Datisca,
actinomycetes nodules, incidence, Pakistan 1217.
Datura stramonium,
Agrobacterium tumefaciens, experimental infection, crown gall, tumors, octopine, biosynthesis 2419.
Mycoplasma infection, symptoms 10735.
Daucus carota,
protoplasts, binding, Agrobacterium tumefaciens, association, crown gall formation 6512.
Rhizoctonia solani, Erwinia carotorova, Phythium ultimum, Fusarium solani, Alternaria radicina, decay 4602.
root rot, association, Clostridium, enumeration, inoculation, soil, rhizosphere 10778.
roots, agropine production, Agrobacterium rhizogenes 7296.
Daunomycin,
effects on, Bacillus subtilis, Bacillus megaterium, spores, viability, heat resistance 3093.
inhibition, DNA polymerase I, Escherichia coli 12622.
Streptomyces peucetius subsp.caesius, conversion, adriamycin 2969.
Daunorubicin,
antitumor agents, toxicity, methodology, biosynthesis, conversion, Streptomyces peucetius 6683.
Daylength,
effects on, nodulation, nitrogen fixation, Vigna mungo 1195.
DDT,
biodegradation, Pseudomonas aeruginosa, aromatic compounds oxidation pathways 10996.
biodegradation, Pseudomonas aeruginosa, association aromatic acids oxidation 12391.
effects on, soil microorganisms 8177.
Pseudomonas aeruginosa, biodegradation, tricarboxylic acid cycle, glyoxylate cycle 11001.
Deacetylase,
substrate specificity, antigenic relationship, Rhodopseudomonas gelatinosa, Rhodopseudomonas palustris 211.
Deafness,
association, bacteria meningitis, children 9176.
association, respiratory tract infection, Mycoplasma pneumoniae, treatment, diagnosis, man, case reports 9128.
1-Deamino-2-deoxyfortimicins,
antibacterial activity 7815.
2-Decarboxamido-2-acetyl-4-dedimethyl-9-methyltetracycline,
Streptomyces rimosus transformation 4-epi-cetocycline, antibacterial activity 7808.
Decarboxylation,
lysine, plasmids, Proteus morganii characterization, taxonomic significance 6758.
Decay,
bacteria, Quercus bark, in vitro 8434
Rhizoctonia solani, Erwinia carotorova, Phythium ultimum, Fusarium solani, Alternaria radicina, Daucus carota 4602.
wood, bacteria, preservatives 12356.
Decline,
Pyrus communis, Mycoplasma-like organisms persistent infection 12098.
Declomycin,
effects on lipase biosynthesis, Propionibacterium acnes 1735.
Decomposition,
animals cadavers, aerobic bacteria, heterotrophic bacteria, marine environments, Japan 8451.
animals cadavers, association, bacteria, lipolysis, proteolysis, marine environments, Japan 8458.
bacteria, sewage sludge, soil amendment, population dynamics 9433.
cellulose, soil microorganisms, relationship, carbon dioxide, evolution 3722.
detritus, chlorella, Skeletonema, bacteria, community composition 3866.
detritus, Spartina alterniflora, Spartina patens, salt marshes 13522.
films, Methanobacterium thermoautotrophicum, methanogenesis, hot springs, temperature 13521.
leaf litter, lakes 12160.
leaf litter, nitrogen cycle, acid rain, pollution effects, forests 10790.
leaf litter, nutrient dynamics, USA, Great Dismal Swamp 9469.
leaf litter, soil microorganisms, altitude effects on, Austria 10772.
leaf litter, streams, forests clear cutting 13520.
microorganisms, role, fires, Mediterranean like ecosystems 13465.
nitrogen, soil microorganisms, soil enzymes 9428.
nutrient dynamics, trophic relationships, microorganisms, soil 9437.
organic matter, bacteria, vertical distribution, brackish water environment, Japan 6438.
Oryza sativa straw, effects on, nitrogen fixation, growth, Rhizobium 2439.
phytoplankton, bacterioplankton population dynamics, succession 2496.
Prorocentrum, algal blooms, bacteria, marine environment, Japan 6437.
sediments, nitrogen cycle, sulfate reduction, methanogenesis, factors affecting, freshwater environments, British Isles 2490.
sediments, nitrogen cycle, sulfate reduction, methanogenesis, factors affecting, freshwater environments, British Isles 3735.
Decongestants,
treatment, otitis media, man, reviews 10332.
Decontamination,
digestive tract, microflora, use, antibiotics, association, neutropenia, man 11775.
digestive tract, yeasts, bacteria, association, prophylaxis, infection, neutropenia, man 10279.
gastrointestinal tract microflora, use, antibiotics, association, prophylaxis, infection, monkeys 13361.
Decubitous ulcers,
treatment, silver sulfadiazine, povidone-iodine, saline, man 5430.
Decubitus ulcers,
bacteria infection, geriatrics 9076.
Deep sea,
bacteria abundance 1236.
bacteria, samplers, methodology 1237.
hydrothermal vents, Thiomicrospira, isolation 5676.
Isolation, bacteria, pressure tolerance, Hirondellea gigas carcasses 10805.
Defective mutant,
adenosinetriphosphatase α-subunit, subunits interaction, Escherichia coli 4859.
cell division, Escherichia coli, polysaccharides accumulation 84.
Escherichia coli, adenylate cyclase, guanylate cyclase activity 256.
Escherichia coli, biosynthesis, putrescine, spermidine, nutrient requirements, polyamines, association, antibiotic resistance, streptomycin 2641.
Escherichia coli, DNA polymerase I effects on, U.V. radiation sensitivity 11284.
Escherichia coli, glutathione reductase (NAD(P)H), gor gene, gene mapping 11286.
Escherichia coli, lipopolysaccharides, membrane potential, measurement 2623.
Escherichia coli, membrane permeability, DNA polymerase I uptake 6718.
Escherichia coli, nitrate reductase, formate dehydrogenase, cofactors, insertion, membranes, binding molybdenum 2848.
Escherichia coli, phosphatidate cytidyltransferase, association, phosphatidylethanolamine methyltransferase, phosphatidylglycerophosphatase, precursors 6655.
Hatch-Slack pathway dicarboxylate transport, Rhizobium trifolii, association, nodulation, Trifolium repens 5538.
lacA gene, galactoside acetyltransferase, purification, characterization, Escherichia coli 6711.
Myxococcus xanthus aggregation, genetic analysis 251.
nitrogen fixation, Rhizobium japonicum, isolation, characterization 12731.
recombination, Haemophilus influenzae, Escherichia coli, plasmids cloning 12769.
Salmonella typhimurium, characterization, formate dehydrogenase linkage nitrate reductase 8683.

Defective mutant, (continued)
Salmonella typhimurium, phosphoribosylpyrophosphate synthetase activity 12686.
Salmonella typhimurium, 3-deoxy-D-manno-octulosonate-8-phosphate, biosynthesis, isolation, characterization 8710.
sporulation, Myxococcus xanthus, murein effects on 12317.
Defective mutants,
prephenate dehydratase purification, pheA gene, mutants 4038.
Streptococcus mutans, cell adhesion, cell aggregation, isolation, characterization 8659.
Defense mechanisms,
complement, bacteria cytolysis, man 6904.
Cucumis sativus, disease resistance, characterization, Pseudomonas lachrymans, Erwinia tracheiphila 8141.
hypersensitive response, bacteria pathogens, plants 13420.
immune response, bacteria infection, man 6905.
immune system synergism penicillins, man 13029
immunity, cholera, man 6897.
intestinal microflora, bacteria infection, gnotobiotics, animal models 8122.
lung, mice, challenge, bacteria, proteins deficiency diets, effects on 3220.
phagocytes, phagocytosis, bacteria, immune response 6898.
role disease resistance, tuberculosis 6974.
Staphylococcus aureus infection, pathogenicity, man 7092.
Streptococcus pneumoniae infection, role, spleen 6920
Deferriferrioxamines B,
Streptomyces, production, deferroferroverdin association 7529.
Deferriferrioxamines E,
Streptomyces, production, deferroferroverdin association 7529.
Deferroferroverdin,
association, deferriferrioxamines B, deferriferrioxamines E, production, Streptomyces 7529.
Defficient mutant,
competence, Haemophilus influenzae, DNA binding vesicles 12415.
Deficiency,
Azotobacter vinelandii, molybdenum, nitrogen fixation 9651.
cell walls, Nocardia asteroides, association, growth, characterization 3830.
effects on, growth, Mycobacterium tuberculosis var. bovis, alcohol dehydrogenase, 2770.
glucose dehydrogenase, activity, association, nitrate, Pseudomonas aeruginosa 12664.
glutathione, Escherichia coli strains, effects on, coenzyme A disulfide, glutathione 9712.
nucleotides effects on, Bacillus subtilis, phosphodiesterase I, 5'-nucleotidase, activity 6632.
retinol, role, Pseudomonas aeruginosa, keratitis, eye, experimental infection, rabbits 2229.
Deficient mutant,
adenosinetriphosphatase, Escherichia coli, arsenate resistance, plasmid R773 12960
ammonium utilization, growth, Rhizobium meliloti 12407.
Bacillus subtilis, Streptococcus pneumoniae, autolysis, effects on, cell walls proteins, permeability 1377.
Bacillus subtilis, transketolase, catabolite repression effects on enzymatic synthesis 2805.
conjugation, Escherichia coli, cell membranes, proteins function 12556.
Escherichia coli cell-free system, protein biosynthesis 6577.
Escherichia coli DNA repair, reactivation, phage T7 271.
Escherichia coli, glutathione biosynthesis, isolation 4834.
Escherichia coli, polyamines biosynthesis 12762.
exodeoxyribonuclease, DNA restriction, Pseudomonas aeruginosa 12621.
fructose-bisphosphatase, gene mapping, Bacillus subtilis 6717.
glutathione, Escherichia coli, potassium metabolism 12438.
mice, complement C5, immune response, hypersensitivity (delayed), Listeria monocytogenes, effects on 5206.
Micrococcus luteus, carotenoids, photosensitivity, relationship, menaquinone destruction 1418.
pneumolysin, Streptococcus pneumoniae, isolation, hemolysis, characterization 8706.
Pseudomonas aeruginosa, alkaline phosphatase, phospholipase C, assays, phosphates, effects on 1626.
Pseudomonas aeruginosa, deoxyribonuclease, characterization 1609.
Pseudomonas aeruginosa, pyruvate dehydrogenase multienzyme complexes, purification, characterization 1524.
Pseudomonas aeruginosa, pyruvate dehydrogenase multienzyme complexes, isolation, characterization, genetic analysis 1610.
Pseudomonas aeruginosa, tox-1 gene, tox-2 gene, gene mapping 9843.
pyruvate oxidase, gene mapping, transposon Tn10 use, Escherichia coli 12791.
Rhizobium japonicum, nitrate reductase, association nitrogen fixation 6527.
Salmonella typhimurium peptidase, proteins degradation 260.
Shigella sonnei, DNA polymerase I, nitrosoguanidine, induction, mutagenesis 2863.
Staphylococcus aureus, thermonuclease, mutagenesis 4942.
succinate dehydrogenase, Rhizobium meliloti, growth 12412.
Deflectins,
Aspergillus deflectus, activity 3100.
Defoliation,
effects on, Vigna radiata, nitrogen fixation 13484.
Lotus corniculatus, Medicago sativa, association, carbohydrate metabolism, growth, nitrogen fixation 5542.
Degradability,
Escherichia coli, sugars, sterilation effects on 8460.
Degradation,
Chlamydomonas, 4-chloro-3,5-dinitrobenzoic acid 1406.
DNA, binding, Bacillus subtilis, competence, inhibition, protein biosynthesis, temperature effects 1437.
Escherichia coli rRNA, phage λ prophages induction, heat treatments 5860.
fatty acids, Escherichia coli, regulation, transcription, genetic analysis 2836.
hosts chromosomes, defects, association, tar gene mutants, phage T1 4124.
lignin, microorganisms, N.M.R. studies 7435.
pentachlorophenol, gram-negative bacteria, soil microorganisms 5145.
polysaccharides, enzymes biosynthesis, association, carbohydrates media, bacteria rumen microorganisms 9780.
RNA, genes assocation, Escherichia coli plasmid R483, F factors, restriction endonuclease mapping 12774.
tomatine, Nocardia restrictus 3835.
3,4,5-trimethexycinnamic acid derivatives, Pseudomonas putida, soil isolates, reaction mechanisms, methanol biosynthesis 1408.
3,4,5-trimethoxyphenylacetic acid, 3-ketoglutaric acid, Arthrobacter, soil isolates 1410.
Dehalogenase,
Pseudomonas putida, activity, association, 2-monochlorpropionate, mechanisms 12682.
Pseudomonas putida, 2-monochlorobutanoic acid, 2-monochloropropionic acid, mutants, selection, induction, continuous culture 1614.
Dehalogenation,
monochloroacetic acid, dichloroacetic acid, 2-monochloropropionic acid, 2,2-dichloropropionic acid, soil microorganisms, Pseudomonas putida, enzymatic activity, characterization 1503.
Dehydration,
Escherichia coli, Bacillus subtilis, sterility, corn cobs particles, fluidized beds, burn patients 11930.
Dehydrocamphor,
epoxidation, kinetics, reconstitution cytochrome P450, Pseudomonas putida 6534.
Dehydrogenase,
association, nickel, carbon monoxide, Clostridium pasteurianum, Clostridium thermoaceticum, characterization 6625.
Pseudomonas carboxydohydrogena, purification, characterization 2786.
Dehydrogenation,
cholic acid, Clostridium bifermentans, inhibitors, characterization 9616.
Dehydrogriseofulvin,
Streptomyces, transformation, stereoselectivity 4758.
3-Dehydroquinate dehydratase,
purification, characterization, Escherichia coli 9760.
Deletion,
DNA nucleotide sequence, hybrids, plasmid pSC101, phage λ 4142.
Ti plasmid, transposons, Agrobacterium tumefaciens, recombination, cloning, methodology 2914.
Deletion mutant,
Agrobacterium tumefaciens, plasmid Ti, characterization, gene mapping 5037.
Agrobacterium tumefaciens, Ti plasmid, gene mapping 12807.
cloning, cystathionine β-lyase, Escherichia coli 7546.
enterotoxins, induction, Vibrio cholerae, phages, mutants 7655.
R factor R100, insertion sequence 1, DNA nucleotide sequence 11255.
gene mapping, plasmid pTiB653, Agrobacterium tumefaciens 12829.
genetic analysis, physical characteristics, plasmid R91-S, Pseudomonas aeruginosa 6763.
histidine auxotrophs, Escherichia coli 5820.
TOL plasmid, Pseudomonas putida, electrophoresis 12838.
translocations, plasmid pKY2257, Tn3 gene, Escherichia coli 2945.
tryptophan operon, plasmids, Escherichia coli, transposon TnA 12804.
Demineralization,
enamel, Streptococcus mutans, association, dental caries, man 13103.
Denaturation,
purple membranes, Halobacterium halobium, temperature effects, pH effects 145.
Streptomyces subtilisin inhibitors, microbial serine proteinases, complex, comparison 2734.
δ-Dendotoxin,
Bacillus thuringiensis, stability, toxicity, use biological control, Culicidae 12974.
Dendroctonus frontalis,
Enterobacter agglomerans, nitrogen-fixing bacteria, isolation, symbiosis 1134.
Dendroctonus terebrans,
Enterobacter agglomerans, nitrogen-fixing bacteria, isolation, symbiosis 1134.
Denitrification,
acetylene, carbon sources, soil properties, 13475.
Alcaligenes, hydroxylamine, pyruvic oxime, nitric-oxide reductase, nitrate reductase, soil 12421.
Alcaligenes, soil isolates, characterization 4639.
bacteria, Zea mays, nitrapyrene effects on 5537.
characterization, reviews 6430.
clay, anaerobic conditions, effects on nitric oxide 7335.
denitrifying bacteria, soil, nitrate source, effects on 1218.
forests, soils (acid), in vitro, fertilizers, gases, effects on 3712.
freshwater microorganisms, rivers 12403.
heterotrophic bacteria, soil chemistry, tropical environments 7317.
Hyphomicrobium, dimethylamine dehydrogenase, dimethylamine mono-oxgenase, nitrate reductase, kinetics, oxygen tension, effects on 2776.
mechanisms, microorganisms 11004.
nitrate reduction, bacteria, enumeration, soil, microtiter most-probable-number 2525.
nitrate reduction, bacteria, sewage sludge 4628.
nitrogen cycle, soil properties, soil microorganisms 9448.
nitrogen cycle, thermodynamics, soil microorganisms 8166.
Nitrosomonas europaea, soil, radioactive labelling 5534.
Pseudomonas, Pseudomonas pickettii, DNA homology, relationship 3890.
Rhizobium 12464.
Rhizobium japonicum 2465.
sediments, estuaries 8195.
soil microorganisms, chemical control, nitrapyrin 3691.
soil, variability, manure, treatment 2443.
uptake, nitrate, nitrous oxide, uptake, kinetics 8465.
Denitrifying bacteria,
denitrification, soil, nitrate source, effects on 1218.
nitrogen cycle, soil properties 9448.
nitrous oxide, nitric oxide, production 11252.
salt marshes, sewage sludge effects on 1230.
sediments, aquatic 3742.
Denmark,
agricultural land, Rhizobium trifolii distribution, factors affecting 8206.
case reports, man, diagnosis, Legionnaire's disease 1982.
isolation, gentamicin antibiotic resistance Staphylococcus aureus 3065.
Kingella kingae, isolation, characterization 1316.
neurosyphilis, clinical aspects, epidemiology, man 907.
neurosyphilis, treatment, penicillin, man, surveys 4455.
tuberculosis, iosoniazid, rifampicin, ethambutol, treatment, man 12010.
Yersinia enterocolitica, antibodies, levels, man 529.
Density,
Escherichia coli 63.
Escherichia coli, morphology, continuous culture 12295.
Density gradients,
centrifugation, isolation, Rickettsia-like organisms, phony disease, plant extracts, Prunus persica 5503.
centrifugation, purification, Rickettsia tsutsugamushi 7373.

Density gradients, (continued)
centrifugation, Rickettsia prowazekii, isolates, infectivity, purification 2607.
soil microorganisms, suspended matter, isolation, centrifugation 8172.
Dental calculus,
dental plaque, children, chlorhexidine gluconate, mouthwashes, effects on 3292
Mycobacterium tuberculosis isolation, association, lung tuberculosis, man 2014.
Dental caries,
acute lymphatic leukemia, effects on, children 1967.
antibacterial activity, iodine+sodium fluoride, rats 4550.
association, dental fluorosis, pathology, man 720.
bacteria, association, periodontal diseases, man 4373.
bacteria, disease control, oral hygiene, man 4375.
bacteria, fluoride water, children 13110.
bacteria, Macaca mulata, radiation, effects on 3640.
bacteria, prophylaxis, fluoride treatment, man 13102.
bottle feeding sugars liquids induction, infants, man 9085.
bradophen effects on, animal models 1956.
cereals effects on, man 7966
detection, fuchsin, application, man 3294.
diagnosis, bacteria 13098
disease resistance, role, lysozyme enzymatic activity, saliva immunoglobulin G levels, man 729
distribution, teeth, children 1961
effects on glucans biosynthesis, Streptococcus mutans 4949.
epidemiology, relationship, fluoridation, man, USA, Massachusetts 721.
etiology, Streptococcus mutans, Streptococcus sanguis, man, Greenland 723.
flora, communal breeding, effects on, Streptococcus mutans, serotypes, Macaca fascicularis 10679
fluoride effects on, Streptococcus mutans, Actinomyces viscosus, animal models 6158.
fluoride prophylaxis, adolescents, man 10307
fluoride prophylaxis, children 10306
fluoride treatment, association, pathology, children 6957.
gnotobiotics (germ-free), rats, xylitol, palatinit, sucrose, diets, effects on 3649.
histocompatibility antigen HLA DR determinants, interaction, helper cells, role, resistance, man 7951.
histology, man, in vitro 727.
incidence, children, British Isles 737.
incidence, children, Netherlands 717.
incidence, children, South Africa 708.
incidence, dental plaque composition, rats, milk, effects on 1111.
incidence, epidemiology, children 11681
incidence, fluoridation effects on, children, British Isles 736.
incidence, man, Finland 709.
incidence, relationship, sugar, diets, children 711.
incidence, socio-economic aspects, children 6950.
induction, Streptococcus mutans, manganese effects on 12400.
lasers detection, man 9082.
man, association, enamel demineralization, Streptococcus mutans 13103.
man, dental hygiene, reviews 10303.
man, Ethiopia 4377.
man, fluoride, toothbrushing, effects on 1957.
man, fluoride treatment 10304
molars, man, Nigeria 1959.
oral hygiene effects on, bacteria, man 11685.
oral hygiene effects on, man 706.
oral microflora, nursing bottles, infants, man 13096.
pathology, prophylaxis, man 9079
prevention, children, fluoride tablets long-term effects 10308
prophylaxis, association, teeth mineralization, man 3307.
prophylaxis, calcium lactate, food additives, rats 10300.
prophylaxis, children, man 3308.
prophylaxis, evaluation, man 1965.
prophylaxis, fluoridation, man, reviews 3303.
prophylaxis, fluoride, children, Finland 713.
prophylaxis, fluoride, man, reviews 3286.
prophylaxis, fluoride, man, reviews 3299.
prophylaxis, fluoride, man, Switzerland 3300
prophylaxis, man 3304.
prophylaxis, man, reviews 9080.
prophylaxis, radiation treatment, carcinoma, man 13107.
prophylaxis, risks, association, Streptococcus mutans concentration, man 3309.
prophylaxis, Streptococcus mutans, maternal effects, man 13101.
prophylaxis, Streptococcus mutans vaccination, man 9042.
prophylaxis, use, lasers, man 3302.
prophylaxis, vaccination, development, man 3247.
prophylaxis, vaccination, Streptococcus mutans, antigens, monkeys 3254.
rats, urea peroxide treatment 13375.
recurrent infection, association, oral hygiene, dental manipulation, man 1953.
resistance, saliva effects on dental plaque pH, man 726.
role, drinking water fluoridation, children, British Isles 1966.
role, Streptococcus mutans, transmission, animal models 13100.
saliva, secretion, man, drug addiction, effects on 3298.
Streptococcus mutans, association, radiotherapy, cancer patients, man 724.
Streptococcus mutans, calcium glycerophosphate+sodium fluoride, treatment, rats 6958.
streptococcus mutans, dental pulp response, gnotobiotics, rats 6383.
Streptococcus mutans, diets, nutrition, man 3301.
Streptococcus mutans, incidence, man, oral microflora, isolates, dextranase effects on 10301.
Streptococcus mutans, Lactobacillus casei, gnotobiotics, rats 1124.
Streptococcus mutans levels, saliva, relationship, children, parents 1952.
Streptococcus mutans, prophylaxis, association, immunostimulation, muramyl dipeptide, man 3231.
Streptococcus mutans, saliva, immunoglobulin A antibody response, children 13045.
sucrose effects on, bacteria, epidemiology, children 11696.
sucrose effects on, bacteria, relationship, meals, children, Israel 11691.
sucrose, lactose, cariogenicity, animal models 3306.
sweeteners, effects on, rats, animal models 6962.
toothbrushing, sugar exposure, effects on, children 714.
topical application, iodine, chlorhexidine, sodium fluoride, effects on, rats 1962.
treatment, strontium, salts, animal models 1954.
vaccination, Streptococcus mutans, antigens, Macaca fascicularis, characterization 6131.
Dental caries, (continued)
world epidemiology, man, reviews 6959.
Dental diseases,
oral hygiene, children, man, Nigeria, socio-economic aspects, effects on 3295.
relationship, Streptococcus viridans, endocarditis, man, case reports 2257.
Dental disorders,
bacteria, clinical aspects, treatment, man 13114.
bacteria, factors affecting susepübility, epidemiology, children 11692.
bacteria, prophylaxis, adolescents 13094.
bacteria, prophylaxis, children 13109.
bacteria, reviews 13104.
bacteria, treatment, children 13108.
fluoride, oral hygiene effects on, bacteria, man, Finland 11688.
man, Ethiopia 4377.
prophylaxis, fluoride dentifrices, bacteria 13115.
Dental fluorosis.
association, dental caries, pathology, man 720.
Dental hygiene,
man, dental caries, reviews 10303.
relationship endocarditis, bacteremia, case surveys, man 6260.
Dental infection,
Actinomyces, man 5279.
anaerobic bacteria, isolation, identification, diagnosis, man 13106.
association, odontogenesis, man, reviews 11679
etiology, gram-negative bacteria, man 1951.
Staphylococcus, complications, nose septa abscesses, man, case reports 11686.
Dental manipulation,
association, endocarditis, Staphylococcus aureus, man, reviews 3451.
association, endopthalmitis, bacteria, man, case reports 978.
association periodontal diseases, man 9081.
association, recurrent infection, dental caries, man 1953.
bacteria infection dental pulp, man, reviews 6960.
endocarditis Streptococcus viridans, antibiotics prophylaxis, man 11888.
postoperative infection, oral microflora, tinidazole prophylaxis, man 11893.
relationship endocarditis, bacteremia, case surveys, man 6260.
Dental plaque,
acid production, man, maltitol, maltotriitol, effects on 13113.
acid production, saliva, hypothiocyanite, effects on, man 722.
association, endocarditis, Haemophilus aphrophilus, man, case reports 1958.
Bacillus, collagenase, biosynthesis, characterization 4906.
bacteria, glycolysis, inhibition, mouthwashes 5277.
bacteria isolates, carbohydrates hydrolysis, man 10982.
bacteria, microflora, man, New Zealand 725.
bacteria, pathogenicity, factors affecting, man 7967.
Bacteroides, Fusobacterium, sex hormones effects on, man, females 5282.
children, Brazil, teeth cleaning, fluoride applications, effects on 734.
chlorhexidine mouthwashes effects on, bacteria, children 11684.
chlorhexidine, octenidine, effects on, monkeys 5446.
composition, dental caries, rats, milk, effects on 1111.
dental calculus, children, chlorhexidine gluconate, mouthwashes, effects on 3292.
estimation, ATP levels, plate counts, plaque index, monkeys 5284.
formation, children, xylitol, effects on 4374.
formation, Streptococcus mutans, Streptococcus milleri, Streptococcus sanguis, Streptococcus salivarius, sucrose, effects on 731.
formation, sucrose, glucose, effects on, ultrastructure 4379.
β-D-fructofuranosidase activity, man 13093.
gingivitis, man, clinical trials, chlorhexidine digluconate, mouthwashes, oral hygiene, effects on 3296.
gingivitis, man, clinical trials, chlorhexidine digluconate, dosage, effects on 3297.
immunoglobulin A levels, Streptococcus mutans infection, cancer patients 718.
inhibition, chlorhexidine mouthwashes, man 712.
irrigation methodology effects on, man 10299.
isolates, Bacteroides gingivalis, identification 3778.
isolates, induction, carcinoma, gnotobiotics rats 2036.
levels, man, chewing gum, chew tablets, effects on 6153.
Macaca fascicularis, fluorescent antibody test use characterization 12042.
Macaca fascicularis, population composition 2345.
man, chlorhexidine effects on 5278.
man, chlorhexidine gluconate, alexidine, mouthwashes, effects on 733.
man, disaccharides biodegradation, association, bacteria α-D-glucosidase inhibition, acarbase 13067.
media (selective), Actinomyces viscosus, detection, enumeration, media (selective) 3755.
microflora, enumeration, identification, children 13075.
monkeys, Fusobacterium simiae sp.nov., characterization, isolation 9546.
oral microflora, dental caries, nursing bottles, infants, man 13096.
pH, glycosylsucrose effects on, man 4369.
pH, measurement, man 702.
pH, saliva effects on, dental caries resistance, man 726.
pH, sugar food feeding regimes effects on, man 1963.
polysaccharides, metabolism, dextranase, release, batch culture, Streptococcus mutans 12604.
Primates, isolates, Lactobacillus animalis sp.nov., biological properties 12267.
prophylaxis, dogs, gingiva keratinization 12047.
proteins, immunoglobulins, characterization, man 730.
rats, Actinomyces viscosus, Streptococcus mutans, interaction effects on colonization rates 11012.
removal, instruments, man 6952.
role, symbiosis, Eubacterium saburreum, Veillonella parvula 7312.
sensitivity, immunological aspects, rats 1099.
Streptococcus, lactobacillus, chlorhexidine effects on, man 728.
Streptococcus mitis, uptake, glucose, man, in vitro 2668.
Streptococcus mutans, actinomycetes, Neisseria, Veillonelae, Lactobacillus, Actinobacilli, rats, trace elements, drinking water, effects on 732.
Streptococcus mutans, growth, metabolism, xylitol+sorbitol, effects on 435.
Streptococcus mutans, incidence, tooth, man, orthodontics, equipment, relationship 4378.
Streptococcus mutans, isolation, characterization, Macaca fascicularis 2344.
Streptococcus mutans, population dynamics, Macaca fascicularis, animal models 10302.
ultrasound effects on 715.
Dental pulp,
anaerobic microorganisms, sampling, media (culture), methodology 1265.
bacteria infection, dental manipulation, man, reviews 6960.
collagen, Actinomyces viscosus, biodegradation, 3841.

Dental pulp, (continued)
  infection, Listeria monocytogenes, man 6961
  pathology, bacteria infection, animal models 11687.
  response, dental caries, streptococcus mutans, gnotobiotics, rats 6383.
  Streptococcus infection, measuring techniques, man 13112.
Dental restorative materials,
  man, association, mucosa, bacteria growth 11682.
Dental roots,
  bacteria, growth, experimental infection, animal models 1960.
Dental sepsis,
  bacteria, association, brain abscesses, treatment, man, case reports 4370.
Dentifrices,
  fluoride, dental disorders prophylaxis, bacteria 13115.
2-Deoxy-D-lyxo-hexone,
  association, Pseudomonas aeruginosa, 2-deoxy-D-lyxo-hexonic acid production 8628.
2-Deoxy-D-lyxo-hexonic acid,
  Pseudomonas aeruginosa, production, association, 2-deoxy-D-lyxo-hexone 8628.
3-Deoxy-D-manno-octulosonate-8-phospate synthetase,
  temperature-sensitive mutant, effects on lipids biosynthesis, cell death, Salmonella typhimurium 7660.
3-Deoxy-D-manno-octulosonate-8-phosphate,
  defective mutant, Salmonella typhimurium, biosynthesis, isolation, characterization 8710.
2-Deoxy-3-demethoxy fortimicin,
  synthesis, antibacterial activity 11417.
Deoxybutirosin A,
  derivatives, synthesis, structure, antibacterial activity 11395.
3'-Deoxybutirosin A,
  synthesis, structure, antibacterial activity 11395.
Deoxycholic acid,
  effects on, fatty acid composition, Salmonella typhimurium 12720.
Deoxyctidine deaminase,
  herpes simplex virus, infection, hamsters cell culture, association, Mycoplasma contamination 4682.
4'-Deoxymycaminosyl tylonolide,
  derivatives, synthesis, antibacterial activity, structure-activity relationships, gram-negative bacteria 7814.
18-Deoxynargenicin A1,
  synthesis, antibacterial activity, Staphylococcus, Streptococcus 7813.
Deoxyribonuclease,
  Caulobacter crescentus, activity 1509.
  genes proteins effects on activity, Escherichia coli 4965.
  inhibition, effects on DNA biosynthesis, Pseudomonas aeruginosa 3891.
  inhibitors, production, Bacillus subtilis mutants, association, sporulation 12306.
  inhibitors, screening, Micromonospora, methodology 7594.
  initiation, DNA, replication, Bacillus subtilis 12518.
  pH effects on, Bacillus laterosporus 11185.
  Pseudomonas aeruginosa deficient mutant, characterization 1609.
  Pseudomonas flocculants, susceptibility 4852.
  sensitivity, plasmid pBR322, SV40, herpes simplex virus 1, transfection stem cells 5863.
  Streptomyces aureofaciens, characterization, purification 4032.
Deoxyribonuclease I,
  manganese stimulation, isolation, characterization, Bacillus subtilis 3990.
Deoxyribonuclease II,
  antibodies, detection, diagnosis, Streptococcus infection, man 6877.
  kinetics, mechanisms, Brevibacterium ammoniagenes 12505.
Deoxyribonucleotides,
  concentration relationship DNA replication, phage T4, Escherichia coli infection 11048.
Deoxyribose-phosphate aldolase,
  amino acid sequence, Escherichia coli 11037.
2-Deoxystreptamine,
  idiotroph, Micromonospora sagamiensis, antibiotic SU-2 complex production 7723.
Dependence,
  zinc, Escherichia coli, phenylalanyl-tRNA synthetase, diadenosine $5',5''$-P^1,P^4-tetraphosphate, activity 1442.
Depolymerization,
  Klebsiella capsules polysaccharides, use, phages enzymes 4945.
Deposition,
  Streptococcus mutans, glass, measurements 4680.
Deposits,
  gold ores, bacteria, contamination, USSR 8165.
Depuration,
  Crassostrea gigas, coliforms, methodology 7294.
Depurination,
  association, DNA injection defects, phage T7 8724.
Derepression,
  histidine ammonia-lyase, succinate dehydrogenase, nitrogen, metabolism, Klebsiella pneumoniae 12647.
  hydrogenase, ribulosebiphosphate carboxylase, Alcaligenes eutrophus, growth conditions 5776.
Derivatives,
  z-acetylpyridine thiosemicarbazones, antibacterial activity, Mycobacterium, kinetics, , assays 1775.
Dermacentor andersoni,
  association, Anaplasma marginale, labelling, immunoperoxidase test 8901.
  isolates, Rickettsia, serotyping, USA, Montana 49.
  physiology, association, virulence, Rickettsia rickettsii, ultrastructure, electron microscopy 9383.
  relationship, Anaplasma marginale infectivity, temperature effects on 10697.
Dermacentor variabilis,
  isolation, incidence, Rickettsia rickettsii, USA, Connecticut 1004.
Dermatitis,
  Pseudomonas aeruginosa, association, swimming pools, man 1934.
  Staphylococcus aureus, prophylaxis, teat dips, hygiene, cattle 7279.
Dermatomyositis,
  association Staphylococcus osteomyelitis, man, case reports 6151.
Dermatophilosis,
  Dermatophilus congolensis, effects on, blood vessels, cattle 4559.
  treatment, bipenicillin, dihydrostreptomycin, horses, France 1072.
Dermatophilus congolensis,
  antibiotic sensitivity testing, tetracycline, oxytetracycline, bacitracin, in vitro 1736.
  antibodies, serum levels, detection, milk, streptotrichosis, cattle 1906.
Dermatophilus congolensis, (continued)
  dermatophilosis, effects on, blood vessels, cattle 4559.
  dermatophilosis, treatment, bipenicillin, dihydrostreptomycin, horses, France 1072.
  infection, occurrence, Marmota monax, Mephitis mephitis, Procyon lotor, USA, New York 3636.
  orf virus, experimental infection, pathology, rabbits, sheep 4586.
  streptotrichosis, association, strike, Lucilia cuprina, sheep 2350.
  streptotrichosis, effects on reproduction, cattle 2367.
  streptotrichosis, treatment terramycin, cattle 7269.
  vaccination, antibody response, cattle 5261.
Dermatophilus congolersis,
  streptotrichosis, incidence, treatment, streptomycin, livestock 2394.
Dermatosis,
  bacteria, association, leukocytes function, nitroblue triazolium test, man 8969.
Desacetyl-cefotaxime,
  cefotaxime, antibiotic synergism, antibacterial activity, penicillinase stability 9969.
Deserts,
  desert varnish, Metallogenium, manganese films, soil 6415.
Desmodium intortum,
  intraspecific interactions, setaria anceps, effect on, nitrogen fixation, growth 10771.
Desulfotomaculum ruminis,
  growth, acetylene inhibition 10971.
Desulfovibrio,
  +Acetivibrio cellulyticus, ± Methanosarcina barkeri, production, methane, carbon dioxide, use, cellulose 3859.
  cytochrome c3, antigenic characteristics, cross-reactivity 11556.
  sea water, isolation, enumeration, characterization 4649.
Desulfovibrio africanus,
  comparison, Desulfovibrio desulfuricans, Desulfovibrio gigas, growth parameters, metabolism, calorimetry 6539.
  cytochrome c3, antigenic characteristics, cross-reactivity 11556.
Desulfovibrio desulfuricans,
  bactericides, isothiazolone, 2-mercaptobenzothiazole, lactate dehydrogenase inhibition 8835.
  cobalt-porphyrin proteins, purification, physicochemical properties 6612.
  comparison, Desulfovibrio gigas, Desulfovibrio africanus, growth parameters, metabolism, calorimetry 6539.
  cytochrome c3, amino acid sequence 4836.
  cytochrome c3, purification, characterization 8468.
  ferredoxin, redox potential, E.S.R. 9709.
  growth, acetylene inhibition 10971.
  growth, hydrogen, sulphate 5651.
  mitomycin C, induction, lysogeny, phages, electron microscopy, morphology 12818.
  nitrite reductase, purification, characterization 2803.
Desulfovibrio gigas,
  comparison, Desulfovibrio desulfuricans, Desulfovibrio africanus, growth parameters, metabolism, calorimetry 6539.
  ferredoxin I, ferredoxin II, Raman spectroscopy 3941.
  growth, acetylene inhibition 10971.
  growth, hydrogen, sulphate 5651.
  hydrogenase, hydrogen-deuterium exchange, kinetics, mechanisms 8587.
  iron-sulfur centers, ferredoxin, E.S.R., Mossbauer spectroscopy 11103.
  purification, characterization, hydrogenase 9740.
Desulfovibrio salexigens,
  cytochrome c3, antigenic characteristics, cross-reactivity 11556.
Desulfovibrio vulgaris,
  cytochrome c$_3$, structure, X-ray diffraction 3868.
  cytochrome c3, antigenic characteristics, cross-reactivity 11556.
  cytochrome c3, structure, folding 5683.
  cytochrome c553, redox properties, E.S.R., polarography 11112.
  growth, hydrogen, sulphate 5651.
  growth, oxygen effects on 10968.
  D-lactate dehydrogenase (cytochrome), purification, characterization, mechanisms 3957.
  utilization, organic compounds 1405.
Desulfurococcus mucosus,
  RNA polymerase, purification, characterization 9782.
Desulfuromonas acetooxidans,
  cytochrome c-551.5, characterization 4777.
Desulphovibria gigas,
  ferredoxin, comparison Clostridium pasteurianum 3934.
Detergents,
  antibacterial activity, Streptococcus faecalis, Micrococcus, Escherichia coli 10030.
  catamine AB, antibacterial activity 11452.
  effects on, Escherichia coli succinate dehydrogenase 3081.
  effects on, gram-negative bacteria egg shells isolates, survival 5125.
  effects on, soil microorganisms, bacteria 415.
  phosphate, metabolism, Bacillus 3844.
  purification, alkaline phosphatase, Bacillus licheniformis 6620.
  sensitivity, Escherichia coli, mutants, use, DNA recombinants 3080.
Determinants,
  blood groups, Escherichia coli, sugars, interaction, Pseudomonas aeruginosa, lectins, hemagglutination 1857.
Detritus,
  aggregation, association, energy flow, upwelling, coastal waters, bacteria 6434.
  aquatic microorganisms, biomass composition, community structure, light effects, estuaries 3734.
  biodegradation, carbon cycle, intertidal environment, bacteria, Ecklonia maxima 12156.
  chlorella, Skeletonema, decomposition, bacteria, community composition 3866.
  energy flow, bacterioplankton, reefs, marine environment, South Africa 2485.
  food sources, nutrient dynamics, aquatic organisms 12179.
  macrophytes, biodegradation, estuaries, biogeochemistry, nitrogen, proteins 12165.
  microorganisms biomass, measuring techniques, ATP 12159.
  rivers, bacterioplankton, characterization, environmental stress 6444.
  Spartina alterniflora, biodegradation, bacteria, micronutrients release, salt marshes 8232.
  Spartina alterniflora, Spartina patens, decomposition, salt marshes 13522.
Dettox ABC,
  antibacterial activity, endoscopy equipment disinfection 10028.

Deuterium oxide,
effects on Lactobacillus casei, growth, lactic acid biosynthesis, lactate dehydrogenase enzymatic activity 3087
Developing countries,
man, Streptococcus pneumoniae diseases, epidemiology, vaccines 7194
Developmental stages,
Caulobacter crescentus, relationship, protein biosynthesis 64.
Glycine max, association, nitrogen fixation, Rhizobium nodules 2469.
Myxococcus xanthus, association, hemagglutinins localization, periplasmic space, cell surface 5194
Nocardia asteroides, association, poly(β-hydroxybutyric acid), glycogen, isolation, metabolism 6523.
Peptostreptococcus anaerobius, effects on antibacterial activity, hydrogen peroxide 6843.
relationship, Azospirillum brasilense, nitrogen fixation, Setaria italica 3725
Dexamethasone,
treatment, meningitis, Streptococcus pneumoniae, children 10425.
Dextran,
use purification, Klebsiella pneumoniae, pullulanase 11173.
Dextran glucosidase,
isolation, characterization, Streptococcus mitis 1484
Dextranase,
microorganisms, biosynthesis, screening 2756
oral microflora isolates, effects on Streptococcus mutans dental caries, incidence, man 10301
purification, characterization, Bacteroides oralis 7607
release, batch culture, metabolism, dental plaque, polysaccharides, Streptococcus mutans 12604
Dextranase inhibitor,
purification, characterization, Streptococcus mutans 11114.
Dextrans,
use, bacteria culture 7365
Dextransucrase,
role, glucan, biosynthesis, Streptococcus mutans, endo-1,3-α-D-glucanase inhibition 6645
Di-butyl phthalate,
Pseudomonas pseudoalcaligenes metabolism, anaerobic conditions, association, nitrate 9639
Di-D-fructose dianhydride,
biosynthesis, Arthrobacter globiformis 6684
1,2-Di-epi-fortimicins,
antibacterial activity 7815
4-(Di-hydroxyphenyl)-2(substituted-phenylamino)thiazoles,
mycobacterium tuberculosis, synthesis 10043.
2',3'-Di-O-acyl-α-D-glucopyranosyl-(1 → 2)-D-glyceric acid,
Nocardia otitidis-caviarum, characterization 4956
Diabetes,
poststreptococcal glomerulonephritis complications, man, case reports 877.
Diabetes insipidus,
man, meningitis, Staphylococcus aureus infection 13213.
Diabetes mellitis,
association, bacteria, sepsis, foot, man 4513
association, Streptococcus pneumoniae, infection, susceptibility, lung, animal models, mice 3609
hamsters, intestinal microflora, Proteus mirabilis, role, inflammation 4539
ulcers, bacteria, mixed infection, treatment, antibiotic sensitivity testing, foot, man 3507
Diabetes mellitus,
association, Streptococcus pneumoniae polysaccharides vaccination, antibody response, children 9055
association syphilis, man, case reports 9181.
complications, infection, prophylaxis, diagnosis, management, man 10461.
ear canals microflora, bacteria, man 7961
immunocompromised hosts, antibiotic CGP 9,000, clinical trials, urinary tract infection, man 6227
man, inflammation response, association, postoperative infection, pustule disease 7925
man, leukocytes (neutrophilic), bactericidal activity, pH, glucose, acetone, effects on 1907.
man, lymphocytes blastogenesis, Staphylococcus aureus, Clostridium tetani toxoids 4321.
ratio, cerebrospinal fluid, glucose, serum, man 2126.
rats, pyelonephritis pathology, association Staphylococcus aureus Streptococcus faecalis 6212.
urinary tract infection, association, Pyridoxal serum levels, man 849.
2,3-Diacetamido 2,3-dideoxy-D-glucuronic acid,
lipopolysaccharides, constituents, Pseudomonas aeruginosa, characterization 6676.
Diacrisia obliqua,
larvae, mortality, biological control, pathogens, Bacillus thuringiensis 4595.
Diadenosine 5',5'''-P^1,P^4-tetraphosphate,
Escherichia coli, phenylalanyl-tRNA synthetase, activity, zinc dependence 1442.
Dialkylamino-acid decarboxytase (pyruvate),
activity, Pseudomonas 4048.
Dialysis,
ammonium lactate fermentation, Lactobacillus bulgaricus, mathematical models 13.
association, peritonitis, Vibrio alginolyticus, Vibrio parahaemolyticus relationship, case reports, man 10583.
immune response, leukocytes (neutrophilic), bacteria infection, man 7939.
immunocompromised hosts, tuberculosis, Mycobacterium, case surveys, man 7186.
nosocomial infection, peritonitis, Acinetobacter calcoaceticus var.anitratus, man, case reports 7124.
peritoneum, association, Mycobacterium chelonei like bacteria peritonitis, man 3482
peritoneum, association, Staphylococcus aureus peritonitis, man 7132.
peritonitis, bacteria, diagnosis, case reports, man 9280.
renal insufficiency, association, tuberculosis, man 9277.
Dialyzers,
leukocytes extracts, treatment Mycobacterium intracellulare infection, man, hypersensitivity (delayed) 6972.
2,3-Diamino-2,3-dideoxy-D-glucuronic acid,
identification, lipopolysaccharides association 9800.
1,8-Diamino-4-azaheptane,
Thermus thermophilus, isolation, structure 8654.
1,9-Diamino-5-azanonane,
Thermus thermophilus, isolation, structure 8654.
N-[Diaminophosphinyl]-4-fluorobenzamide,
Proteus mirabilis urease inhibition, association, vesical calculus treatment, man 12592.
Diaminopimelate decarboxylase,
Bacillus sphaericus, purification, characterization 3993.
purification, characterization, Micrococcus glutamicus 3982.
Diaphragm,
hernia, association, Streptococcus group B septicemia, infants, man 966.
Diarrhea,
antibiotics effects on, Clostridium difficile, toxins role, children 7893.
association, antibiotic resistance, Escherichia coli, Shigella, Salmonella, Vibrio cholerae, Campylobacter fetus subsp.jejuni, children 5957.
association antibiotics, Clostridium difficile toxins, man 498.
association, antibiotics, incidence, Clostridium difficile, man 13178.
association, Campylobacter fetus subsp.jejuni, colitis, treatment, children, case reports 11774.
association, cholera, recovery, nitrogen balance, children 826.
association, enteritis, Escherichia coli, pathogenesis, man 11787.
association, enterotoxins biosynthesis Escherichia coli, children 4232.
association enterotoxins, Escherichia coli, shigella, clinical aspects, children man Ethiopia 6019
association, gastrointestinal tract diseases, bacteria, pathogenesis, man, reviews 4419.
association, intestinal microflora, infants, man, Gambia 2040.
association, pathogens, Escherichia coli, Shigella, Vibrio cholerae, incidence, case surveys, children 7014.
association, pseudomembranous colitis, Clostridium difficile, toxins, feces, man 3351.
association, serum levels, lymphocytes, immunoglobulins, infants, man 8980.
association, spirochetosis, treatment, man, case reports 4411.
bacteria, carriers rate, man 10376
bacteria, etiology, man, adults 4416.
bacteria, etiology, prophylaxis, treatment, epidemiology, children, Costa Rica 11780.
bacteria, factors affecting, virulence, pathology, man 13174.
bacteria, pathophysiology, man 11778.
bacteria, prophylaxis, treatment, man 11791.
campylobacter fetus subsp.jejuni, clinical aspects, diagnosis, treatment, children, case reports 11767
Campylobacter fetus subsp.jejuni, isolation, pathogenicity, juveniles, cattle, sheep 3597.
Campylobacter fetus subsp.jejuni, Shigella, Salmonella, man 13183.
Campylobacter fetus supsp.jejuni, carriers, epidemiology, Aborigines, Australia 7019
Campylobacter jejuni, clinical aspects, case reports, man 13172.
cattle neonates, Escherichia coli incidence, sulfonamide, +colistin treatment 11768.
children, Escherichia coli, drug resistance, R factors 274.
children man, Clostridium difficile toxins, feces, association cytopathogenesis 6017.
clinical aspects, Campylobacter fetus subsp.jejuni, man, case surveys 818.
Clostridium difficile, man, case surveys 7013.
Clostridium difficile, man, surveys 7021.
Clostridium difficile toxins, complications, inflammatory bowel diseases, man 11493
Coccidia, mixed infection, enteritis, bacteria, juveniles, pigs 2343.
diagnosis, radioactive labelling, glycocholate, respiration, man 11790.
diagnosis, treatment, man 11783.
digestive tract, microflora, clinical aspects, case reports, magnesium sulfate treatment, dogs 10643.
ecology, diagnosis, bacteria, detection, feces, man 6200.
Enterobacteriaceae, incidence, seasonal variations, children, Ethiopia 2028.
Enterobacteriaceae, man, media (isolation) 6451.
Escherichia coli, antibacterial activity, colostrum, immunity, pigs, neonates 4580.
Escherichia coli, association, enterotoxins biosynthesis, infants, man 3361.
Escherichia coli clinical isolates, epidemiology, association, plasmids, restriction endonuclease mapping, man 11765.
Escherichia coli, colonization factor, Sepharose prophylaxis, rabbits 10356.
Escherichia coli, electrolyte balance, man 812.
Escherichia coli enterotoxemia, treatment, chlorpromazine, propranolol, mice animal models 6201
Escherichia coli enterotoxins, association, chlorpromazine induction intestine epithelium shedding, rats 11517
Escherichia coli, hemagglutination, adherence, oral cavity, cells, relationship, enterotoxins, infants, man 3142.
Escherichia coli, infants, man 820.
Escherichia coli, intestinal microflora, redox potential, neonates, cattle 3614.
Escherichia coli, isolates, pili antigens, characterization, infants, man 10145.
Escherichia coli, pathogenicity, juveniles, cattle 9338.
Escherichia coli, Shigella, children, India 2039.
Escherichia coli, treatment, amikacin, nursing infants, man 3367.
Escherichia coli, vaccination, colonization factor antigens, animal models 663.
etiology, Campylobacter fetus subsp.coli, Campylobacter fetus subsp.jejuni, Clostridium difficile, man, adults 814.
etiology, diagnosis, cattle, juveniles 1066.
immune response, disease transmission, Escherichia coli, man 833.
infants, man, bacteria infection 11758
infants man, Escherichia coli cell adhesion, erythrocytes 7027.
infectious diseases, man, reviews 7028.
man, association Campylobacter jejuni, recurrent infection 7989.
man, Campylobacter fetus subsp.jejuni infection, case reports 13180.
man, infection, Enterobacteriaceae, antibiotics treatment 9135.
man, isolation, Shigella, Salmonella, socio-economic aspects 9140.
mixed infection, coccidiosis+rotavirus+Escherichia coli, mixed infection, neonates, cattle 4590.
pathogenesis, fluids treatment, juveniles, cattle 10661.
role, Kluyvera, man 3368.
Salmonella arizonae, Escherichia coli, Salmonella dublin, juveniles, sheep 10652.
Salmonella paratyphi, outbreaks, food-borne diseases, water-borne diseases, Portugal 3354.
travellers, Escherichia coli, prophylaxis, doxycylcine, bismuth subsalicylate 9143.
treatment, association, liquids intake, cattle, juveniles 10646.
treatment, erythromycin, effects on Campylobacter fetus subsp.jejuni, excretion, feces, man 3364.

Diarrhea, (continued)
treatment, rehydration, fluids, bacteria Shigella, Campylobacter 10363.
treatment, rehydration, fluids, bacteria Shigella, Campylobacter, diarrhea 10363.
Vibrio cholera, chlorpromazine treatment, children 11785.
Vibrio, epidemiology, immunity, vaccines, man, reviews 11776.
Vibrio parahaemolyticus, ABO system blood groups correlation, man 2041.
Yersinia enterocolitica, children, case reports 10359.
Yersinia enterocolitica, man 13182.
Yersinia enterocolitica, nosocomial infection, case reports, man 7012.
Diazachalcones,
antimicrobial activity 422.
Diazepam,
treatment, tetanus, neonates, man 7070.
6-Diazo-5-oxo-L-norleucine,
transport, Escherichia coli 12333.
Dibekacin,
antibacterial activity, clinical isolates, 5056.
antibacterial activity, man, pharmacokinetics, treatment, urinary tract infection 6785
antibiotic synergism, azlocillin, mezlocillin, antibacterial activity, Pseudomonas aeruginosa 9968.
treatment, abdomen infection, man 1026.
treatment, respiratory tract infection, Pseudomonas aeruginosa, Serratia marcescens, man 759.
Dicarboxylate,
transport, Hatch-Slack pathway, defective mutant, Rhizobium trifolii, association, nodulation, Trifolium repens 5538.
Dicarboxylic acids,
transport, Bacillus subtilis, cations transport effects on 1422.
transport, mechanisms, Escherichia coli 5611.
Dichloroacetic acid,
dehalogenation, soil microorganisms, Pseudomonas putida, enzymatic activity, characterization 1503.
3,4-Dichloroaniline,
biodegradation, Alcaligenes faecalis 12393.
biodegradation, Pseudomonas putida 9611.
mineralization enhancement, association, aniline, Pseudomonas putida 10782.
Pseudomonas biodegradation 9634.
Dichlorophen,
bactericidal activity, Erwinia carotovora, effects on, healing, tubers, Solanum tuberosum 2406.
2,2-Dichloropropionic acid,
dehalogenation, soil microorganisms, Pseudomonas putida, enzymatic activity, characterization 1503.
Dicloxacillin,
+ampicillin, treatment, bacteria infection, children 11894.
+cefazolin treatment, bacteria urinary tract infection, man 10393.
treatment, inflammatory diseases, man 10486.
Dicoumarol,
inhibition, hydrogen dehydrogenase activity, Alcaligenes eutrophus 7565.
1,2-Didehydropipecolate reductase,
Pseudomonas putida, characterization, metabolic pathways 6640.
Didelphis virginiana,
Brucella abortus experimental infection, pathogenesis 8118.
3',4'- Dideoxyparomomycin,
analogs, antibacterial activity, Staphylococcus epidermidis, Escherichia coli 7774
Dieback,
association bacteria opportunistic infection, wetwood, Abies alba 10753.
association wetwood, bacteria, wood physical properties, Abies alba 10754.
bacteria, roots infection, effects on nutrients uptake, Abies alba 12088.
bacteria, roots infection, wetwood, acid rain, effects on soil nutrients, Abies alba 10756.
Pinus radiata seedlings, infection, Pseudomonas syringae, identification, characterization 9417
population dynamics, conferences, Abies alba, Europe 10848.
Dieldrin,
insecticides, metabolism, microorganisms, cuticle, Calliphora erythrocephala 8135.
Diet,
buffaloes, relationship, rumen microorganisms, bacteria, growth 2332.
Dietary intake,
antibiotics, association, Escherichia coli drug resistance fluctuations, juveniles, chickens 10055.
cattle, effects on bacteria protein biosynthesis 10638.
effects on intestinal microflora, composition, metabolism, man, reviews 13065.
effects on, microflora, carcinogenesis, colon, man, reviews 13159.
proteins, effects on, immunity (cell-mediated), Listeria monocytogenes, mice 9020.
Dietary restrictions,
association, immune response, lymphocytes B, Escherichia coli, lipopolysaccharides, mice 10232.
Diethyl ether,
cell-free system association, supernatants, Escherichia coli enterotoxins, assays 7878.
Diethyl pyrocarbonate,
chemical modification ribulosebisphosphate carboxylase active sites, Rhodospirillum rubrum 7571.
2-Diethyl-aminoethyl-2,2-diphenyl-valerate,
Photobacterium fischeri, effects on luminescence 12493.
Diets,
antibiotics, effects on mycetome symbionts, Rhizopertha dominica 10731.
bacteria, fungi, contaminants, rearing, Heliothis 1130.
Chlamydia, mastitis, cattle 4545.
colostrum, cattle, juveniles, effects on intestinal microflora 1054.
effects on rumen microorganisms, bacteria, Aepyceros melampus 8082.
fatty acid composition, maternal transfer, effects on Lactobacillus intestinal microflora, establishment, 1123.
lactalbumin, phenylalanine, deficiency, immunostimulation, immune response (humoral), salmonellosis, mice 3212.
proteins deficiency, effects on, defense mechanisms, lung, mice, challenge, bacteria 3220.
relationship, dental caries incidence, children 711.
relationship, oral diseases, man 3301.
soybeans, inhibiton, Clostridium establishment, gnotobiotics, mice 7290.
sucrose, effects on intestinal microflora, cattle, juveniles 1045.
Diets, (continued)
sucrose, palatinit, xylitol, effects on, dental caries, gnotobiotics (germ-free), rats 3649.
Differential diagnosis,
abortion, pigs, Chlamydia 5473.
actinomycosis, man 897.
bacteria infection, man 12006.
enteritis, Campylobacter, Salmonella, rotavirus, children 5311.
folliculitis, Pseudomonas, buildings, man 11671.
Haemophilus influenzae, Haemophilus parainfluenzae, identification, media (culture), methodology 12242.
intestine infection, appendicitis, mathematical models, infants, man 831.
meningitis, Brucella, Mycobacterium tuberculosis, clinical aspects, man 7063.
Mycobacterium fortuitum, Nocardia asteroides, osteomyelitis, leg, man, case reports 971.
pleurisy, tuberculosis, lysozyme pleural fluid, man 6986.
pneumonia, Haemophilus pleuropneumoniae, Haemophilus parasuis, Pasteurella haemolytica like microorganisms, gnotobiotics (specific pathogen free), pigs 3589.
serotyping, psittacosis, Legionnaire's disease, man 11743.
syphilis, man 2157.
toxic shock syndrome, association, systemic lupus erythematous, clinical aspects, man 11521.
toxic shock syndrome, measles vaccination side effects, adolescents, case reports 5321.
tuberculosis, spondylodiscitis, man 5407.
typhoid fever, Salmonella typhi, isolation, Cotard's syndrome, case reports, man 7200.
urethritis, Neisseria gonorrhoeae, non-specific urethritis, man 13230.
Differential scanning calorimetry,
cholesterol, analogs, membranes, Mycoplasma capricolum 3824.
Differentiation,
Actinomycetes mycelia, sporulation, regulation 10974.
Brucella suis biotypes, phage typing 8294.
Caulobacter crescentus, cell surfae structure localization, role, cell division 8439.
immunoelectrophoresis, Xanthamonas translucens f.sp.oryzicola leaf streak, Xanthomonas oryzae blight, Oryza sativa 8941.
Legionella pneumophila, isolation, surface water 61.
lymphocytes T, activation, lymphocytes B, staphylococcus aureus 11623.
membrane structure, phototrophic bacteria, growth conditions, electron transport, Rhodospirillales 8469.
strains, Streptococcus lactis, electrophoresis plasmids DNA 5590.
Streptococcus, oral microflora, biochemical characteristics, methodology 41.
Streptomyces griseus, isolation 4,5-dihydroxydecanoic acid-4-lactone 11251.
Diffusion,
membranes, role, antibiotic resistance, tetracycline, bacteria 2609.
Diffusion tests,
antibiotic resistance, Neisseria gonorrhoeae clinical trials 11436.
antibiotic sensitivity testing, Bacteroides fragilis, clinical isolates 11386.
antibiotic sensitivity testing, drug sensitivity testing, anaerobic bacteria 11380.
antibiotic sensitivity testing, drug sensitivity testing, methodology 11389.
Difluoromethylornithine,
inactivation ornithine decarboxylase, Pseudomonas aeruginosa 7538.
Digestibility,
feeds, chemical modification, rumen microflora, domestic animals 9321.
Digestion,
cellulose, association, antibiotics effects on Mysis stenolepsis microflora 12036.
cellulose, gut microflora, bacteria, Orthoporus ornatus, Comanchelus 10733.
feeds, role rumen microflora, domestic animals 9319.
feeds, role rumen microflora, domestic animals 9320.
feeds, rumen microflora, reviews 9324.
feeds, silage, Medicago sativa, Zea mays, sheep 12029.
food, measuring techniques, bacteria biomass interference, rumen 10641.
killed bacteria, germfree rats 1126.
nutrients, isobutylidine diurea, nitrogen sources, protein biosynthesis, rumen, cattle 8080
organic matter, sheep, rumen, linseed oil effects on 10637.
proteins, organic matter, Ruminantia, rumen microorganisms role 13074.
rumen microorganisms, scanning electron microscopy, forage, role cell walls lignin 6327.
rumen, role spirochaeta, biochemical characteristics, morphology, cattle 12033.
Digestion (anaerobic),
bacteria, glucose, metabolism, acid production 8444.
fatty acids, soil microorganisms 8208.
manure, methanogenic bacteria, growth, media (culture) 8419.
Methanosarcina, Methanobacterium thermoautotrophicum, Methanobacterium bryantii, nickel, cobalt, molybdenum, effects on 2634.
organic matter, Beta vulgaris mud, odor control 9427.
pectin, Clostridium butyricum, lakes, characterization 9626.
sewage, bactericidal activity, Escherichia coli, Salmonella typhimurium, Vibrio parahaemolyticus 10049.
Digestive enzymes,
Leucania separata, effects on Bacillus thuringiensis pathogenicity 1132.
Digestive system,
Argopecten irradians, parasitism, Chlamydia 10730.
Digestive tract,
decontamination, microflora, use, antibiotics, association, neutropenia, man 11775.
decontamination, yeasts, bacteria, association, prophylaxis, infection, neutropenia, man 10279.
mice, antimicrobial agents, effects on colonization, Enterobacteriaceae, Streptococcus faecalis 10285.
microflora, antibacterial activity, Aminoglycoside antibiotics, mice 10640.
microflora, diarrhea, clinical aspects, case reports, magnesium sulfate treatment, dogs 10643.
Mytilus edulis, assays, Escherichia coli 3584.
pathogens, survival, Moraxella bovis, Musca autumnalis 10696.
pigs, Escherichia coli infection, antibiotics treatment 6202.
postoperative infection, prophylaxis, tinidazole, doxycycline, man 10381.
sheep, gnotobiotics (germfree), Escherichia coli, antagonism, Lactobacillus 1125.
symbionts, bacteria, culture, Lolita grandis 4596.
tinidazole irrigation, prophylaxis, postoperative infection, man 10382.

Diglyceride kinase,
purification, hexamethylphosphoric triamide use, membranes, vesicles, Escherichia coli 4904.
Digoxin,
inactivation, intestinal microflora, man 9653.
1,4-Dihydro-1-ethyl-6-fluoro-7-(4-methyl-1-piperazinyl)-3-carboxylic acid,
antibacterial activity 4209.
16-17-Dihydro-17-hydroxyrifamycin S,
structure, antibacterial activity, structure-activity relationships 11352.
Dihydrochalcones,
analogs, isolation, Myrica gale 5972.
Dihydrofolate,
inhibition, dihydrofolate synthetase, Neisseria gonorrhoeae 6624
Dihydrofolate reductase,
kinetics, activity, Streptococcus faecium 1519.
Dihydrofolate synthetase,
Neisseria gonorrhoeae, inhibition, dihydropleroate, dihydrofolate 6624.
Dihydrolipoamide acetyltransferase,
lipoic acid residues, role pyruvate dehydrogenase, multienzyme complexes mechanisms, Escherichia coli 11160.
lipoic acid residues, role pyruvate dehydrogenase multienzyme complexes mechanisms, Escherichia coli 11161.
molecular weight, Escherichia coli 6660
Dihydrolipoamide reductase,
Pseudomonas putida, valine substrate specificity, effects on keto acid dehydrogenase 5775.
Dihydrolipoamide reductase (NAD+),
active sites, amino acid sequence, Bacillus stearothermophilus 9743.
Dihydroorotase,
pyrimidines biosynthesis, Bacillus subtilis 8615.
Dihydroortotate dehydrogenase,
pyrimidines biosynthesis, Bacillus subtilis 8615.
9,10-Dihydrophenanthrene,
juncusol, antibacterial activity, Bacillus subtilis, Staphylococcus aureus 6844.
Dihydropleroate,
inhibition, dihydrofolate synthetase, Neisseria gonorrhoeae 6624.
16,17-Dihydrorifamycin S,
structure, antibacterial activity, structure-activity relationships 11352.
Dihydrostreptomycin,
effects on active transport, membrane vesicles, bacteria 9581
Escherichia coli, coliforms, R factors, agar diffusion test 6751.
treatment, dermatophilosis, horses, France 1072.
1,4-Dihydroxy-2-naphthoate:polyprenyltransferase,
Micrococcus luteus, characterization 2791
7α,8 β-Dihydroxy-9β,10β-epoxy-7,8,9,10-tetrahydrobenzo(a)pyrene,
point mutation, lacI gene, DNA, Escherichia coli 11052
Dihydroxyacetone,
glycerol transformation, immobilized cells, Gluconobacter oxydans 232.
Dihydroxybenzene,
derivatives, antibacterial activity 449.
4,5-Dihydroxydecanoic acid-4-lactone,
isolation Streptomyces griseus, regulators differentiation 11251.
Streptomyces griseus regulation, antibiotics differentiation 7733.
4,7-Dihydroxyindole,
derivatives, antimicrobial activity, bacteria, fungi 11454.
3,4-Dihydroxyphenylacetate 2,3-dioxygenase,
purification, characterization, Bacillus brevis 4872
Dilation,
gastrointestinal tract, Macaca arctoides, association, Clostridium perfringens infection 12044
Dilophospora alopecuri,
biological control, Anguina funesta vectors, Lolium rigidum toxicity, Corynebacterium 5164.
Dilution,
effects on bacteria survival, in vitro 1398.
Dilution tests,
antibiotic sensitivity testing, Campylobacter fetus subsp.jejuni 6779
antibiotic sensitivity testing, drug sensitivity testing, anaerobic bacteria 11380
antibiotic sensitivity testing, drug sensitivity testing, automated methods 11388
antibiotic sensitivity testing, drug sensitivity testing, methodology 11390.
media (culture), serum bactericidal activity, assays, comparison, antimicrobial agents 6778.
micromethods, inoculation, antimicrobial agents, methodology 11379.
Mycobacterium susceptibility, antimicrobial agents 10053.
Dimerization,
galactose-binding protein, maltose-binding protein, relationship chemotaxis, Escherichia coli 8359.
phosphoenolpyruvate-protein phosphotransferase, magnesium, manganese effects on, Escherichia coli 7579.
tryptophan synthase β-subunit, kinetics, mechanisms, fluorescence, Escherichia coli 7589
Dimers,
effects on, plasmids, replicons, recombination 1681.
Escherichia coli, sensitivity, Micrococcus luteus endonuclease 4801.
3,4-Dimethoxy phenylacetic acid,
papaverine biodegradation pathway, Nocardia mutants 12377.
Dimethoxyphosphinylacetic acid,
competition inhibition 3-hydroxybutyrate dehydrogenase, Pseudomonas lemoignei 6657.
Dimethyl disulfide,
metabolism, Saccharomonospora viridis, poultry wastes 123.
Dimethyl ether,
carbon sources, Methylococcus capsulatus growth conditions, effects on methane metabolism 5644.
Dimethyl glutarimidate,
cross-linking, pyruvate dehydrogenase (lipoamide), quaternary structure, Bacillus stearothermophilus 12614.
Dimethyl sulfoxide,
anaerobic conditions, energy transduction, electron transport chain, chromatophores, Rhodopseudomonas capsulata 5684.
growth conditions, anaerobic respiration, fermentation, Rhodospirillum vubrum, Rhodopseudomonas capsulata 5661.
+oxytetracycline, antibacterial activity, synergism, Proteus mirabilis, Salmonella typhimurium, Aeromonas hydrophila 4190.
4-O-Dimethyl-11-deoxydoxorubicin,
analogs, biosynthesis, Streptomyces peuletius var.aureus, isolation, antibacterial activity, antitumor activity 7744.
2,9-Dimethyl-1,10-phenanthroline,
copper, complex, antibacterial activity, mechanisms, Mycoplasma gallisepticum 1774.
Dimethylallyltransferase,
Bacillus subtilis, purification, characterization 3948.
purification, characterization, Micrococcus luteus 3964.
Dimethylamine dehydrogenase,
Hyphomicrobium, denitrification, kinetics, oxygen tension, effects on 2776.
Dimethylamine mono-oxgenase,
Hyphomicrobium, denitrification, kinetics, oxygen tension, effects on 2776.
4-Dimethylaminoazobenzene,
analogs, mutagenesis, Salmonella typhimurium 7653.
1,2-Dimethylhydrazine,
carcinogenesis, induction, relationship, intestinal microflora, bacteria, rats 5448
Dimethylmaleic anhydride,
induction, Escherichia coli ribosomes proteins release, role, antibiotics, elongation factor G 11090.
induction ribosomal proteins dissociation ribosomal subunit 50S, Escherichia coli 9678.
Dimorphism,
functional morphology, Xenorhabdus, symbiosis, Neoaplectana, Heterorhabditis 6387.
Dinitrato(1R,2S-cyclohexanediamine)platinum,
effects on DNA damage, Escherichia coli 4803.
2,3-Dinitrilo-1,4-dithia-9,10-anthraquinone,
antibacterial activity, Mycobacterium smegmatis 8840.
2,4-Dinitro-12(H)-oxo-benzimidazo[2,1-b][1,3]benzothiazine,
antimicrobial activity, bacteria, fungi 8841.
Dinitrogenase reductase,
boric acid, aminophenylboronic acid effects on inhibition, Rhodospirillum rubrum 1526.
Dinitrophenol,
binding, Salmonella typhimurium, effects on, cell surface physicochemical properties, interaction, phagocytes 1330.
2,4-Dinitrophenol,
± solar radiation± U.V. radiation, effectson Bacillus subtilis growth 2658
Dioxidine,
effects on Staphylococcus aureus ultrastructure 1771.
4,5-Dioxovalerate,
role, biosynthesis, hydroxocobalamine, clostridium tetanomorphum 9671.
Dioxygenase,
mechanisms, putidamonooxin, Pseudomonas putida 7542.
L-Dioxyphenylalanine,
Pseudomonas, L-tyrosine biodegradation 12381.
Dipeptidase,
β-lactam antibiotics stability 11353.
Dipeptidyl peptidase IV,
purification, characterization, Flavobacterium meningosepticum 8579.
purification, characterization, substrate specificity, Streptococcus mitis 4006.
o-Diphenols,
Nicotiana, hybrids, infection, tumor promoting agents, tumors development 8154.
Diphenyliodonium chloride,
antimicrobial activity, Streptococcus faecalis 3098.
2,2-Diphenylpropylamine,
binding, effects on luciferase activity, bacteria 1423.
Diphtheria,
association, infectious mononucleosis, treatment, man, case reports 10350.
association, salivary gland content, histamine, 5-hydroxytryptamine, rats 1815.
children, case reports, Kenya 7260.
Corynebacterium diphtheriae, diagnosis, fluorescence tests, man 11732.
diagnosis, man 13344.
immunity, children, New Zealand 11590.
occupational exposure, hospitals personnel, immunity 5221.
pathology, incidence, man 6976.
pathology, kidney, heart, children, case reports 3327.
toxins, association, proteins, injection effects on toxicity, animals, Corynebacterium diphtheriae, cytotoxicity, cell lines 10088.
toxins, peptides, immunization, adjuvanticity 11641.
toxoids vaccination, antibodies levels, guinea-pigs 11645.
vaccination, reviews 10260.
Diphtheroids,
infection, quantitation methodology, association, Septicemia, man 13347.
Micrococcaceae, Propionibacterium, antagonism, skin isolates, man 1156.
relationship, incidence, Staphylococcus aureus, nose microflora, man 667.
Diplachne fusca,
rhizosphere microorganisms, nitrogen fixation, soil isolates, Azospirillum 13502.
Diplococcus pneumoniae,
respiratory tract infection, sisomicin treatment, man 10351.
Diploidy,
antigens, role, bacteria periodontitis immunopathogenesis, man 11551.
cell number, cell volume, relationship, mammary gland infection, Staphylococcus aureus, goats 10672
enumeration, bacteria mastitis, milk production, cattle 13398.
Diptheroids,
skin isolates, antagonism, man 3681.
Dipyridamole,
± aspirin, treatment, endotoxin shock, baboons 12977.
Disaccharides,
biodegradation, dental plaque, man, association, bacteria α-D-glucosidase inhibition, acarbase 13067.
Disc diffusion test,
comparison autobac test, antibiotic sensitivity testing gentamicin, Pseudomonas aeruginosa 5909.
Disc-diffusion test,
ampicillin, carbenicillin, mezlocillin, piperacillin, quality control 6807.
antibiotic sensitivity testing, amikacin, methodology 310.
antibiotic sensitivity testing, bacteria 6777.
antibiotic sensitivity testing, blood isolates 2996.
antibiotic sensitivity testing, penicillin, Neisseria gonorrhoeae 350.
antibiotic sensitivity testing, Pseudomonas aeruginosa, amikacin, gentamicin, tobramycin 319.

- **Disc-diffusion test, (continued)**
  - antibiotic sensitivity testing, Staphylococcus aureus, Escherichia coli 9922.
  - cloxacillin, Staphylococcus aureus, methicillin sensitivity 12937.
  - drug sensitivity testing, clinical isolates, comparison, automated methods 8278.
  - mezlocillin, antibiotic sensitivity testing, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 6791.
  - Neisseria gonorrhoeae, penicillin G resistance 8805.
  - penicillin G, nafcillin, identification, Pasturella multocida clinical isolates 3777.
  - standards, ceftazidime, antibacterial activity, bacteria 5090.
  - standards, ceftazidime antibacterial activity, bacteria clinical isolates 5089.
- **Disc-dilution test,**
  - ceftazidime, antibacterial activity, clinical isolates, gram-negative bacteria, gram-positive bacteria 5091.
- **Discaria toumatou,**
  - roots nodules induction, ultrastructure, Frankia infection 12127.
- **Discharges,**
  - vagina, treatment, Lactobacillus acidophilus, pH effects, man 3388.
- X **disease,**
  - Mycoplasma, Cicadellidae vectors, orchards, Prunus persica 5505.
  - mycoplasma-like organisms, Macrosteles fascifrons, transmission, infectivity, Colladonus montanus 6388.
- **Disease control,**
  - anaplasmosis, imidocarb, cattle 10670.
  - Australia, immunization, reviews 9056.
  - bacteria, dental caries, oral hygiene, man 4375.
  - bacteria, epizootiology, domestic animals 10644.
  - bacteria, identification, antibiotic sensitivity testing, methodology, man 11944.
  - bacteria infection, horses, conferences 10832.
  - bacteria, mastitis, cattle 3608.
  - bacteria zoonoses, animals, man, disease transmission 2242.
  - Chlamydia trachomatis, non-specific urethritis, man 13231.
  - fungicides, antibiotics, Xanthomonas phaseoli, leafspot, Vigna radiata 13454.
  - gonorrhea, non-specific urethritis, man, reviews 2166.
  - infectious diseases, animals 7272.
  - infectious diseases, personnel, nosocomial environments, man 11926.
  - intensive care units, bactericidal activity, floor mats, clinical trials 13272.
  - leprosy, man, Indonesia 11669.
  - leptospirosis, man, Jamaica 9250.
  - mastitis, cattle 12050.
  - mastitis, cattle, reviews 9348.
  - mastitis, Streptococcus, cattle 2339.
  - mastitis, teat dips, cattle 1074.
  - meningitis, man, USA, Alaska 11834.
  - Mycobacterium tuberculosis, drug resistance, drug sensitivity testing 11471.
  - Mycoplasma pulmonis infection, vaccination, mice, rats, laboratory animals 10271.
  - nosocomial infection, antibiotic prophylaxis, use, surgery, factors affecting, man 10566
  - nosocomial infection, bacteria, clinical aspects, children 10519.
  - nosocomial infection, bacteria, epidemiology, man 11977.
  - nosocomial infection, bacteria, immunocompromised hosts, incidence, diagnosis, man 10513.
  - nosocomial infection, burn infection, man, hospitals 10550.
  - nosocomial infection, drug resistance, etiology, man 10610.
  - nosocomial infection, environmental effects, man, reviews 10560.
  - nosocomial infection, immunocompromised hosts, isolation units, man 11915.
  - nosocomial infection, man, antibiotic resistance, bacteria 11423.
  - nosocomial infection, man, hospitals 3473.
  - nosocomial infection, man, hospitals, conferences 10840.
  - nosocomial infection, nosocomial environments, immunocompromised hosts, antimicrobial resistance, bacteria, man, conferences, books 10835.
  - nosocomial infection, ointments, treatment, catheters, man 11870.
  - nosocomial infection, prognosis, man, reviews 10504.
  - nosocomial infection, speticemia, meningitis, risk factors, etiology, neonates, man 11869.
  - nosocomial infection, Staphylococcus aureus, methicillin+gentamicin, antibiotic resistance, infants, man 10620.
  - nosocomial infection, surveillance, epidemiology, man 10526.
  - nosocomial infection, surveillance, methodology 10530.
  - nosocomial infection, urinary tract infection, serratia marcescens, association, medical instruments, man 10406.
  - nosocomial infection, wound infection, surgery, antibiotics, antiseptics, man, reviews 10562.
  - Pisum sativum, Raphanus sativus, Trichoderma hamatum seed treatments, temperature effects, organic matter, effects on 1200.
  - plant diseases, role, international organizations 9396.
  - scours, Escherichia coli, cattle 10276.
  - scours, Escherichia coli, pathology, neonates, cattle 10721.
  - sexually-transmitted diseases, treatment, man 13227.
  - Triticum seeds, rhizosphere microogranisms, inoculation, Pseudomonas putida 9399.
  - tuberculosis, hypersensitivity (delayed), methodology, hospitals 9227.
  - vibriosis, quinolines, Pisces, marine environment 8090.
  - western X disease, Prunus avium, oxytetracycline treatment, Mycoplasma 9394.
- **Disease reservoir,**
  - Glaucomys volans, epidemic typhus, Rickettsia prowazekii, USA 2244.
  - Xanthomonas campestris black rot, weeds 1142.
  - turkeys, Pasteurella multocida infection, cats 9361.
- **Disease resistance,**
  - antibacterial activity, Listeria monocytogenes infection, relationship, hypersensitivity (delayed), mice 5237.
  - blight, scab, leafspot, Vigna unguiculata 5494.
  - blight, Vigna unguiculata, screening 4611.
  - Brassica oleracea, Lycopersicon esculentum, bacteria herbicides, herbicides effects on 13433.
  - Carthamus tinctorius× Carthamus lanatus hybrids, Pseudomonas 3656.
  - charcoal rot, Glycine max, relationship, Rhizobium japonicum interaction Macrophomina phaseolina 4636.
  - cholera, Vibrio cholerae toxins activation adenylate cyclase, animal models, mice 6872.
  - Citrus leaves, Xanthomonas campestris pv.citri infection 13439.
  - Corynebacterium michiganense, hybridization, Lycopersicon esculentum× Lycopersicon chilense× Lycopersicon peruvianum var.humifusum 3673.
  - Cucumis sativus, cucumber mosaic virus infection, Pseudomonas lachrymans infection effect on 12111.
- **Disease resistance, (continued)**
  - Cucumis sativus, defense mechanisms, proteins, characterization, Pseudomonas lachrymans, Erwinia tracheiphila 8141.
  - Daphnidae eggs, infection, bacteria, relationship, food competition 10729.
  - dental caries, role, lysozyme enzymatic activity, saliva immunoglobulin G levels, man 729.
  - dental caries, role, lysozyme enzymatic activity, saliva immunoglobulin G levels, man 729.
  - domestic animals, tuberculosis, incidence 9332.
  - Edwardsiella tarda infection, role, ascorbic acid, Ictalurus punctatus 10218.
  - fibrosis, Actinomycetes, molds, effects on metals workers, association antibody response 6067.
  - glycine max, immobilization role, Pseudomonas syringae pv.glycinea infection 10749.
  - Glycine max, Pseudomonas glycinea infection, necrosis inhibition, blacticidin S 2404.
  - Gossypium hirsutum, phytoalexins, effects on, Xanthomonas campestris pv.malvacearum 13442.
  - hypersensitivity, Glycine max, Pseudomonas glycinea, temperature effects 3672.
  - immobilization role, Pseudomonas syringae pv.glycinea, leaf blight, Glycine max 13440.
  - induction, Colletotrichum lagenarium infection, Cucumis sativus 13452.
  - infection, man, iron effects on 6313.
  - Klebsiella infection, role, radioactive labelling muramyl peptides, mice 12055.
  - mice, bacteria infection, solid tumors effects on 11569.
  - mice, Candida albicans, association N-acetylmuramyl-L-alanyl-D-isoglutamine analogs, immunostimulation 6118.
  - mice, Listeria monocytogenes infection, association, Corynebacterium catarrhalis vaccination 11652.
  - mice, Salmonella typhimurium infection, association osmotic shock extracts 12398.
  - Mycobacterium lepraemurium, infection, mice, 4305.
  - Mycoplasma infection, incidence, fruit trees, German Dem. Rep., USSR, Bulgaria (People's Rep.) 2417.
  - Nicotiana tabacum, secondary infection, tobacco mosaic virus± disease resistance, role leaves proteins 8144.
  - Ornithodoros moubata, experimental infection, Rickettsia akari 13417.
  - pathogens, microorganisms, Insecta 9379.
  - plant diseases, bacteria, conferences 13548.
  - Prunus avium, western X disease, Mycoplasma, disease control, oxytetracycline treatment 9394.
  - Pseudomonas pseudoalcaligenes subsp.citrulli infection, Citrullus lanatus, cultivars 9401.
  - role, macrophages, Salmonella typhimurium infection, mice 8991.
  - Treponema pallidum, cross-resistance, Treponema pertenue, hamsters 10649.
  - tuberculosis, role, defense mechanisms 6974.
  - Vigna unguiculata genotypes, screening, blight, Xanthomonas campestris var.vignicola 8155.
  - wilt, Erwinia tracheiphila, inoculation, Cucumis melo, seedlings, methodology 13444.
  - wilt, Pseudomonas solanacearum, screening Solanum tuberosum 6398.
  - Zea mays, wilt, blight, Erwinia stewartii, pathogenesis, pathophysiology 13431.
- **Disease spread,**
  - bacteria, infection, man, spatial distribution, mathematical models 10465.
  - British Isles, Neisseria gonorrhoeae penicillinase biosynthesis, plasmids characterization 12235.
  - Coffee arabica blight, seasonal variations, Pseudomonas syringae, rainfall effects on 9411.
  - tuberculosis, man, public health 10634.
- **Disease tolerance,**
  - grasses, wilt, Xanthomonas campestris var.graminis 8146.
- **Disease transmission,**
  - Anaplasma marginale, anaplasmosis, Hippobosca rufipes, Stomoxys calcitrans, cattle 3594.
  - Anaplasma marginale, infection, disease transmission, Cricetomys gambianus, cattle, juveniles 3631.
  - Bacillus thuringiensis+Pseudomonas fluorescens+Serratia marcescens, infection, feeding behavior, Bifiditermes beesoni 4601.
  - bacteria zoonoses, animals, man, disease control 2242.
  - Chlamydia, Ornithodoros coriaceus vectors, cattle 10711.
  - cholera, role, Vibrio cholerae, attachment, Eichornia crassipes, aquatic environment 4648.
  - Cocos nucifera wilt, Phytomonas, Micrococcus roseus, experimental infection, epidemiology, Trinidad 8139.
  - Cowdria ruminatium, Amblyomma sparsum, larvae, domestic animals 3599.
  - Coxiella burnetii, breast milk, man 1003.
  - Earias feeding, Xanthomonas malvacearum blight, Gossypium hirsutum 10738.
  - ehrlichiosis, dogs, Cercopithecus pygerythrus 4583.
  - Escherichia coli diarrhea, man 833.
  - Haemophilus influenzae type b, infection, institutions, children 4524.
  - Haemophilus influenzae type b, rifampicin drug resistance, prophylaxis, children, meningitis 8856.
  - infection, Borrelia anserina, Aegyptianella pullorum, chickens, role, Argas persicus, Argas africolumbae 6356.
  - legionnaire's disease, outbreaks, man 742.
  - Leptospira interrogans ser. pomona, Mephitis mephitis, cattle, Canada 3623.
  - leptospirosis, epidemiology, occupational exposure laboratory animals, man 10471.
  - Listeria monocytogenes, cross-infection, man, phage typing 9260.
  - meningitis, Citrobacter diversus, outbreaks, hospitals, neonates, man 4443.
  - meningitis, man, nasopharynx, Neisseria meningitidis group A polysaccharides vaccines effects on 9032.
  - Mycoplasma, mastitis, cattle 3573.
  - Neisseria gonorrhoeae, Neisseria meningitidis, man 920.
  - Neisseria meningitidis, Streptococcus group A, Staphylococcus aureus, infection, blood, relationship, man 2309.
  - Neolaiturus fenestratus, Microplasma phyllody, Carthamus tinctoria 12097.
  - Pasteurella pneumotropica, infectivity, mice, rats 7254.
  - pest control, livestock, Boophilus microplus, Australia 4549.
  - plague, Yersinia pestis, man, USA travelers, case reports 8073.
  - pseudomembranous colitis, man, nosocomial environments, case reports 10365.
  - Pseudomonas syringae leafspot, soil, air, Cucumis sativa, greenhouses 7299.
  - Salmonella, infection, pigs, man, abbattoirs 3606.
  - Salmonella zanzibar infection, outbreaks, man, animals, British Isles 3487.
  - salmonellosis, role, isolation, Salmonella, guinea-pigs, cattle, India 2352.
  - Streptococcus zooepidemicus, infection, chickens, cow's milk, mastitis, cattle 4574.
  - surface water, man, cholera 13160.

Disease transmission, (continued)
- survival, Drosophila melanogaster, Drosophila busckii 2418
- tuberculosis, man, cattle 4560.
- tularemia, epidemiology, Ixodes redikorcevi vectors, Rodentia 13382
- Vibrio anguillarum, Mugil cephalus 1108.
- Xanthomonas manihotis, Insecta vectors, Manihot esculenta 6397.

Diseases,
- bacteria, pathogenesis, immune response 9381
- bacteria, vaccination, children 10250
- Campylobacter infection, man, animals, reviews 9209
- Chlamydia trachomatis, Chlamydia psittaci, man 7178.
- Clostridium sordelli, sodium chlorate intoxication, cattle, france 4575.
- freeze-thawing, Pseudomonas, association, cryoinjury, Hordeum vulgare 5506.
- infection, Macaca fascicularis, bacteria, characterization 9344.
- juveniles, sheep, infection, Eperythrozoon ovis, suckling behavior, protection 9371.
- livestock production, host-pathogen interactions, relationship, environmental conditions 12056.
- man, hosts response, Staphylococcus aureus 7105.
- pathogenesis, Mycoplasma pneumoniae adherence role, man 11995.
- pathology, Oryctolagus cuniculus, characterization 10714.
- Phascolarctos cinereus, Australia 1110.
- prophylaxis, vaccination, man 9045.
- Saccharum officinarum, infection, bacteria, fungi, viruses, reviews 9386.
- Streptococcus group A, association, neurosis, man 10418.
- Streptococcus mutans, man 9201.
- Streptococcus pneumoniae, animal models 7211.
- Streptococcus pneumoniae, conferences, epidemiology, immune response, vaccines 7350
- Streptococcus pneumoniae, epidemiology, children, infants, man 7198.
- Streptococcus pneumoniae, epidemiology, vaccines, man, developing countries 7194.
- Streptococcus pneumoniae, serotypes incidence, man, hospitals, USA, Wisconsin 7157.
- tropical environment, leukocytes (eosinophilic), role, bacteria, man, reviews 11579.
- Zea mays, epidemics, USA, Florida, association, corn stunt spiroplasma 9398

Disinfectants,
- aerosols, antibacterial activity, bacteria recovery, surfaces 7847
- aerosols, microbiocidal activity assays, bacteria adherence webs 11449
- antibacterial activity, evaluation 413
- antibacterial activity, in vitro 412
- antibacterial activity, Pseudomonas aeruginosa, carpets, nosocomial environments 8818.
- antibacterial activity, Spiroplasma citri, Spiroplasma 7846
- antibacterial activity, surface activity 10026.
- antimicrobial activity, conferences 10825.
- contamination, bacteria, drug resistance 11470.
- contamination, chlorhexidine, Serratia marcescens, drug resistance, hospitals 3114
- contamination, drug sensitivity testing, Pseudomonas, Xanthomonas, Flavobacterium, Micrococcus 7848
- povidone-iodine comparison Hibistat, Micrococcus roseus contamination, man 5962.
- Septopan, antibacterial activity, Pseudomonas aeruginosa, Bacillus subtilis 409.
- sterinol, contamination, Pseudomonas, morphology, resistance 414.
- Thran, antibacterial activity, bacteria recovery, surfaces 7844.
- Thran, antibacterial activity, recovery bacteria surfaces 7845.

Disinfection,
- bacteria, venous stasis ulcers, man, whirlpools± cleaning systems 7177.
- dry heat, swelling agents, contamination, bacteria, fungi 426
- efficiency, Poland 10025.
- endoscopy equipment, antibacterial activity, Dettox ABC 10028.
- formaldehyde, Bacillus subtilis, spores, heat activation 11447
- p-formaldehyde, children institutions 410.
- mastitis, Staphylococcus aureus, Pseudomonas, Proteus, Streptococcus, detection, cattle 2347.
- methyl bromide, Bacillus larvae, Ascophaera apis, apiculture 11450.
- ozone, poliovirus, coxsackievirus, Escherichia coli, drinking water, clay effects on 5142.
- water, methodology, hydrogen peroxide, +ascorbic acid, +copper(II), bacteria 12157.

Dispersal,
- leukocytes (polymorphonuclear), guinea-pigs cornea, keratitis, transfusion, association Pseudomonas aeruginosa, animal models 7943.

Dispersants,
- corexit 9527, effects on, glucose, uptake, mineralization, microorganisms, marine environments 2643.

Disseminated infection,
- acne, man, case reports 3288.
- bacteria, aminoglycoside antibiotics, antibacterial activity, animals, reviews 8096
- Citellus lateralis, Staphylococcus aureus 1064.
- Haemophilus influenzae, risk factors, man 11871.
- lung tuberculosis, treatment, clinical aspects, man 2286.
- Mycobacterium bovis, children, case reports 1013.
- Mycobacterium kansasii, association, chronic lymphatic leukemia, man, case reports 690.
- Mycobacterium kansasii, severe combined immunodeficiency, clinical aspects, man, case reports 5359.
- Neisseria gonorrhoeae, clinical aspects, relationship, serum resistance, man 930.
- Neisseria gonorrhoeae, penicillinase biosynthesis, man, case reports 2144.
- osteomyelitis, Staphylococcus aureus, man 2293.
- streptococcus group B, epidemiology, man, British Isles 8042.
- treatment, netilmicin, man 9264.
- tuberculosis, association, adult respiratory distress syndrome, case reports, man 936.
- tuberculosis, association, systemic lupus erythematosis, treatment, corticosteroids, man, case reports 2305.
- tuberculosis, pneumothorax, children, case reports, man 2265.
- tuberculosis, presentation, adrenal gland failure, man, case reports 2238.
- tuberculosis, scintigraphy, treatment, association, side effects, man 11934.
- tuberculosis, treatment, chemotherapy+corticosteroids, adolescents, adults, man 2291.

Dissociation,
- catalase, sodium dodecyl sulfate, Micrococcus lysodeikticus 8565.

Dissolved organic carbon,
- levels effects on, bacteria growth, marine environment 6433.

Dissolved organic carbon, (continued)
- substrates, microorganisms growth 10973.

Dissolved oxygen,
- anaerobic conditions, sediments, marine environment 8220.
- chemotaxis, effects on, motility, Escherichia coli 4734.
- effects on, maridomycin biosynthesis, Streptomyces hygroscopicus 5039.
- effects on, phototrophic bacteria, nitrogenase, 1548.

Distribution,
- aerobic bacteria, mice, microflora 9317.
- agglutinins, Neisseria gonorrhoeae, serotyping 6045.
- airborne microorganisms, chambers, ionization, effects on 2500.
- Bacillus anthracis spores, British Isles 9476.
- Bacillus larvae spores, Apis mellifera colonies, American foulbrood 2400.
- Bacillus thuringiensis, soil, relationship, biological control 3711.
- bacteria, eutrophic environments, coastal environment, association, pollution indicators, Germany, Fed. Rep. 8228.
- bacteria, eye diseases, drug sensitivity testing, case surveys 7111.
- bacteria, identification, association, pollution, marine environment, sediments, USA, Virginia 12158.
- bacteria, oil biodegradation, USSR rivers 13516.
- bacterioplankton, intertidal environment, sediments, estuaries, Germany, Fed. Rep. 1247.
- Bacteroides fragilis, Bacteroides melaninogenicus, periodontal diseases, man, fluorescence microscopy 6955
- Bdellovibrio, seasonal variations, association, estuaries, USA 10816.
- buds, Juglans regia, blight, Xanthomonas juglandis 7304.
- Clostridium perfringens, soil microorganisms, survival 7324.
- dental caries, teeth, children 1961
- dry weight, Trifolium repens, relationship, nodules, nitrogen fixation 1166.
- elements, Bacillus coagulans spores, electron probe analysis 87.
- enzymes, oxidation, ethanol, formaldehyde, Methylomonas methanica 11218.
- filamentous microorganisms, sediments, lakes, British Isles 2487.
- leprosy, face, man, case reports 4363.
- leprosy, skin, man, body temperature, effects on 3275.
- lipopolysaccharides, Pseudomonas aeruginosa, serotypes, clinical isolates 6674.
- lymphocytes B, rheumatic nodules, rheumatic fever 6318
- Malaysia, soil, nitrogen fixation, incidence 3710.
- mannosamine, cell walls, Bacillus 5803.
- methanol carbon, association, oxidative metabolism, Pseudomonas 9636.
- microorganisms, animals houses, pour-plate method 6462.
- moxalactam, cerebrospinal fluid, children, meningitis 10427.
- nitrogen-fixing bacteria, seasonal variations, reservoirs, Brazil 5548.
- organotropism, Corynebacterium parvum, radioactive labelling, technetium-99m, animal models 3470.
- organs, Streptococcus infection, Plecoglossus altivelis 6332.
- phosphate-dissolving bacteria, Bacillus, sediments 10815.
- polysaccharides, soil microorganisms, soil properties 8216.
- quinones, bacteria, taxonomy 5598.
- Rhizobium meliloti, association, photosynthate, Medicago sativa 2446.
- Rhizobium trifolii, agricultural land, factors affecting, Denmark 8206.
- Serpentes, Salmonella 6355.
- Serratia marcescens, Serratia marinorubra, surface microlayer, enumeration 6445.
- soil, Rhizobium meliloti, inoculation, Medicago sativa 9485.
- Streptococcus, Enterobacter agglomerans, intestinal microflora, Schistocerca gregaria 3652.
- Streptococcus pneumoniae serotypes, man, Italy 1318.
- Thiobacillus, forests soil, sulfur oxidation activity 9461.
- valine, leucine, isoleucine, threonine, lysine, Thiobacillus acidophilus 1475.
- Vibrio, enumeration, factors affecting, water resources, British Isles 10812.
- Vibrio parahaemolyticus, marine environment, seasonal variations 6448.
- Xanthomonas malvacearum, biotypes, identification, India 7394.
- yellow leaf-roll, Prunus persica, association, Pyrus orchards, USA, California 10744.

Disturbance,
- nitrogen cycle, soil chemistry, industrial wastes 9441.

Disulfide,
- coenzyme A, Escherichia coli strains, glutathione deficiency effects on 9712.

Dithiosemicarbazone,
- effects on immunity, heartwater fever, sheep 8953.

Dithiothreitol,
- brucellosis card test, immunoglobulin G levels, use 7908

Diuresis,
- water absorption, association, Enterococcus, pyelonephritis, animal models 13197.

Diurnal variations,
- bacteria colonies, physicochemical properties, paddy fields 8238.
- heterotrophic microorganisms, bacteria, genetic analysis, rivers 2491.

Diuron,
- biodegradation, ponds sediments, anaerobic microorganisms 8425.

DL-2-haloacid dehalogenase,
- Pseudomonas purification, characterization 5750.

DL-alanine,
- Corynebacterium, production 8528.

DL-erythro-N-lignoceryl-sphingosylphosphocholine,
- films, sphingomyelinase hydrolysis, surfaces pressure effects on, Staphylococcus aureus 9632.

DL-erythro-N-palmitoyl-sphingosylphosphocholine,
- films, sphingomyelinase hydrolysis, surfaces pressure effects on, Staphylococcus aureus 9632.

DL-erythro-N-stearoyl-sphingosylphosphocholine,
- films, sphingomyelinase hydrolysis, surfaces pressure effects on, Staphylococcus aureus 9632

DL-lactate,
- fermentation, Megasphaera elsdenii, rumen 12358.

DNA,
- acholeplasma, analysis, plants isolates 2702.
- activation dnaB gene protein, comparison single-stranded, double-stranded DNA, Escherichia coli 8544.
- adducts, Salmonella typhimurium, formation, 1-nitropyrene, reduction, effects on 1436.
- adherence sites, Streptococcus faecalis membranes, association, growth rate 12516.
- Agrobacterium tumefaciens plasmid pTi, transcription, Helianthus annuus crown gall isolates 4136.
- alkylation, Bacillus subtilis, caffeine effects on 11256.
- analysis, plasmids, Escherichia coli, Pseudomonas aeruginosa, Agrobacterium tumefaciens, 2949

DNA, (continued)
- angelicin derivatives effects on, Escherichia coli, Ehrlich ascites tumor cells, guinea-pigs 11456.
- antibodies, induction, bacteria lipopolysaccharides, role DNA injections 7944.
- Babesia, Anaplasma centrale, Plasmodium berghei, Trypanosoma lewisi, fluorescence, assays 17.
- Bacillus subtilis, homology, phage Φ3T, phage ρ11, phage SPβ, RNA 1645.
- Bacillus subtilis, homology, phages transfection, restriction 7669.
- Bacillus subtilis, injuries, heat, acids, induction, association, spore germination, DNA repair 7500.
- Bacillus subtilis, recipients, interaction, donors 12519.
- Bacillus subtilis spores, acids, heat, induction injuries 7499.
- Bacteroides oralis, base composition, hybridization 8490.
- Bacteroides oralis, reassociation, isoelectric focusing, taxonomy 10928.
- base composition, association Thiobacillus taxonomy 12248.
- base composition, Capnocytophaga, taxonomy, relationship, Bacteroides 10880.
- base composition ratio, relationship, prokaryotes mutation 12508.
- base composition, taxonomy (numerical), Pseudomonas, strains 12269.
- base composition, Vibrio, Aeromonas, identification 6470.
- binding, σ factor, RNA polymerase, Escherichia coli 6618
- binding, cyclic AMP, characterization, Escherichia coli 5699.
- binding ethylmethanesulfonate, Escherichia coli 11282.
- binding, Lactobacillus casei tetrahydrofolate dehydrogenase 4014.
- binding lexA gene repressors, Escherichia coli 4842.
- binding, proteinase, effects on activity, Escherichia coli 9788.
- binding proteins interactive, assays 3752.
- binding RNA polymerase, effects on structure, Escherichia coli 8493.
- binding, RNA polymerase, RP4 plasmid, Escherichia coli 1676.
- binding vesicles, Haemophilus influenzae, competence defficient mutant 12415.
- binding, violamycin BI, Streptomyces violaceus, electrophoresis 1694.
- BK virus, cloning, Escherichia coli 1596.
- breaks, apurinic sites, Escherichia coli, mutants, nucleoids, methylmethanesulphonate, effects on 1435.
- Campylobacter, characterization, comparison, strains 4804.
- characterization, phage SPP1, Bacillus subtilis, transduction 1662.
- circular, Escherichia coli phage P1, biosynthesis 1659.
- circular, Streptomyces ambofaciens, isolation methodology, characterization 7501.
- cis-platinum diamminodichloride, dinitrato(1R,2S-cyclohexanediamine)platinum effects on damage, Escherichia coli 4803.
- clones, Escherichia coli, association proteins antigens, immunoassays, detection 7902
- cloning, enterotoxins genes, hybridization analysis, Vibrio cholerae 11258.
- cloning, methodology 4143.
- cloning, use transformation, Streptococcus pneumoniae 4968.
- closed circular, characterization, Streptomyces ambofaciens 11064.
- closed-circular, Streptomyces, incidence, screening 8489.
- Clostridium perfringens, Escherichia coli, Micrococcus luteus, absorption, U.V. radiation 155.
- cobalt effects on recA gene protein affinity, Escherichia coli 11098.
- Col E1, Escherichia coli, purification, chromatography 5891.
- composition, U.V. radiation, effects on, Haemophilus influenzae 11060.
- configurations, phage Mu, replication, Escherichia coli 8718.
- conformation, relationship, nucleotide sequence, Escherichia coli 2700.
- crown gall, transcription, homology, characterization, Agrobacterium tumefaciens, Nicotiana tabacum 5703.
- damage, U.V. radiation, effects on DNA polymerase I coding properties, Escherichia coli 7505.
- damage, U.V. radiation, photoreactivation induction DNA repair 11047.
- damage, Cerenkov radiation induction, Escherichia coli 4795.
- damage, mutagens, detection, suspension culture assays, use, Escherichia coli 2529.
- degradation, binding, Bacillus subtilis, competence, inhibition, protein biosynthesis, temperature effects 1437.
- deoxyribonuclease, initiation, replication, Bacillus subtilis 12518.
- DNA-binding protein transfer kinetics, Escherichia coli 11038.
- double-stranded, catabolite activator protein binding, cyclic AMP modulation, Escherichia coli 11180.
- double-stranded, catabolite activator protein recognition, role tertiary structure, comparison lactose repressor, galactose repressor, Escherichia coli 8512.
- double-stranded, interaction catabolite activator protein, electron microscopy, Escherichia coli 11056
- double-stranded replication, initiation sequence, plasmid ColE1 7690.
- effects on integration, association, Steptococcus pneumoniae transformation 6570.
- elongation, Escherichia coli, role recA gene protein 11102.
- Escherichia coli, association, helicase complex, characterization 9711.
- Escherichia coli, cloning, enterotoxins 6688.
- Escherichia coli, Clostridium perfringens, Micrococcus, quinacrine binding 158.
- Escherichia coli, damage, U.V. radiation 2699.
- Escherichia coli, damage, X radiation 2698.
- Escherichia coli, frameshift mutation, site location, preferences 12502.
- Escherichia coli, insertion sequence 5, nucleotide sequence 11063.
- Escherichia coli, nucleotide sequence, insertion sequences, transposon Tn4 7707.
- Escherichia coli, nucleotide sequence, promoters, bacteriocins operons, gene regulation, plasmids 5876.
- Escherichia coli, nucleotide sequence, recognition, endodeoxyribonuclease Eco RI 2704.
- Escherichia coli, phage Φ, effects on, conformation 12816.
- Escherichia coli, RNA polymerase II, RNA polymerase, chromatin templates specificity 4827.
- Escherichia coli, rpoC gene, nucleotide sequence, RNA polymerase β'-subunit amino acid sequence 7663.
- R factor RK8, isolation, characterization, Escherichia coli 12858.
- R factor RSF 0885, transformation, Haemophilus influenzae 5883.
- R factor RSF1010, replication, Escherichia coli, Pseudomonas aeruginosa cell-free system 9905.
- fluorochromes, counting methods, aquatic bacteria 5565.
- fragmentation, aromatic amines, derivatives, toxicity testing, Salmonella typhimurium 4094.
- fragments, identification, phage-β, association, genes, Corynebacterium diphtheriae, toxins 1640.
- fragments, transposition, association, transposon Tn1 11333.
- genes transfer, plasmids, Pseudomonas 11254.
- genomes damage, restriction endonuclease mapping, methodology, Streptomyces glaucescens 7496.

DNA, (continued)
- genomes, restriction endonuclease mapping, electron microscopy analysis, Mycoplasma hyorhinis 8702.
- genomes, rne gene hybridization analysis, Escherichia coli 12504.
- gram-negative bacteria, gram-positive bacteria, plasmids, assays methodology 8740.
- guanosine 5'-diphospate 3'-diphosphate inhibition penicillinase synthesis, plasmid BR322 6749.
- heteroduplex, interaction endodeoxyribonuclease EcoK, Escherichia coli 4802.
- homology, Bacillus subtilis, transformation 2870.
- homology, Fusobacterium necrophorum strains, taxonomy 151.
- homology, Pedomicrobium taxonomy 4708.
- homology, plasmids, Agrobacterium rhizogenes, Agrobacterium tumefaciens, tumorigenesis 5864.
- homology, plasmids Rhizobium, Agrobacterium tumefaciens, hybridization, restriction endonuclease mapping 5868.
- homology, plasmids, virulence, Yersinia enterocolitica, Yersinia pestis, characterization 2934.
- homology, Pseudomonas pickettii, Pseudomonas, denitrification, relationship 3890.
- homology, relationship, recombination frequency, R factor NR1, conjugation, R factor RSF2124, Escherichia coli 12800.
- host specificity, Escherichia coli, association, trimethoprim R factors 11061.
- hybridization, Agrobacterium tumefaciens Ti plasmid mRNA, crown gall, Nicotiana tabacum 7691.
- hybridization, corn stunt spiroplasma, Spiroplasma citri 157.
- hybridization, phage γ-tsr-1, Corynebacterium diphtheriae, transduction, excision, genetic analysis 1661.
- hybridization, Pseudomonas fluorescens, strains, evolutionary genetics, taxonomy (numerical), complement fixation 2876.
- hybridization, Rhizobium japonicum, Rhizobium, Agrobacterium, genetic relationship, taxonomic significance 1441.
- hybridization, rRNA 16S polarity, psoralen cross-linking, Escherichia coli 11081.
- hybridization, Yersinia pestis, Yersinia pseudotuberculosis, characterization, species 156.
- injection defects, phage T7, association, alkylation, depurination 8724.
- insertion sequence 5, gene expression, transcription, Escherichia coli 9841.
- interaction proteins, recA gene protein, DNA-binding protein, DNA topoisomerase, reviews 7495.
- Klebsiella pneumoniae mutants, replication, relationship, cell walls elongation, mecillinam effects on 4172.
- lacI gene, point mutation, 7α,8 β-dihydroxy-9β,10β-epoxy-7,8,9,10-tetrahydrobenzo(a)pyrene, 3,4-epoxycyclopentapyrene, Escherichia coli 11052.
- lactose repressor binding activity, tetranitromethane chemical modification effects on, Escherichia coli 9702.
- levels, effects on transcription, Escherichia coli 6583.
- lexA operon, binding lexA gene gene products, Escherichia coli 4843.
- linkage RNA, Bacillus subtilis, role, genomes replication 5721.
- methyladenine, Neisseria gonorrhoeae, incidence, association, auxotrophy 5705.
- methylation, effects on DNA cleavage, restriction endonuclease, Thermus thermophilus 5700.
- methylation, Escherichia coli 12512.
- methylation, function, Myxococcus xanthus 3889.
- methylation, Mycobacterium tuberculosis, Mycobacterium smegmatis 2695.
- modification, relationship endodeoxyribonuclease activity, bacteria 4111.
- mutagenesis methodology, tetracycline antibiotic resistance genes, plasmid pKB280 5025.
- Mycobacterium leprae, thymidine incorporation, macrophages, factors affecting 1884.
- nucleotide sequence, adenosinetriphosphatase genes, Escherichia coli 8666.
- nucleotide sequence, adenosinetriphosphatase subunits genes, Escherichia coli 6722.
- nucleotide sequence, alanyl-tRNA synthetase genes, comparison amino acid sequence, Escherichia coli 4926.
- nucleotide sequence, ampC gene, Escherichia coli 2878.
- nucleotide sequence analysis, use plasmid pUR 250 12848.
- nucleotide sequence, araB gene, araC gene, Salmonella typhimurium 4797.
- nucleotide sequence, arabinose promoter promoters multiple forms, cloning, Escherichia coli 11264.
- nucleotide sequence, aroG gene, Escherichia coli 7668.
- nucleotide sequence, asd gene, Escherichia coli 6695.
- nucleotide sequence, colicin E1 genes, Escherichia coli 9674.
- nucleotide sequence, colicin E1 genes, location promoters, operators regions, Escherichia coli 5814.
- nucleotide sequence, comparison RNA polymerase subunits amino acid sequence, Escherichia coli 4978.
- nucleotide sequence, comparison RNA polymerase subunits amino acid sequence, Escherichia coli 4978.
- nucleotide sequence, correlation, gene mapping, lacI gene mutation, Escherichia coli 11267.
- nucleotide sequence, deletion, hybrids, plasmid pSC101, phage λ 4142.
- nucleotide sequence, deletion mutant, insertion sequence 1, R factor R100 11255.
- nucleotide sequence, frdA gene, Escherichia coli 9839.
- nucleotide sequence, genes δ-subunit adenosinetriphosphatase, loci, gene mapping, Escherichia coli 11054.
- nucleotide sequence homology, elongation factor Tu genes, Escherichia coli, chloroplasts, Chlamydomonas reinhardtii 11041.
- nucleotide sequence homology, rRNA 5S genes, man mitochondria, bacteria 5726.
- nucleotide sequence, initiation factor 3 genes, Escherichia coli 5707.
- nucleotide sequence, initiation sites, ribosomes binding sites, penicillinase genes, Staphylococcus aureus 4884.
- nucleotide sequence, insertion sequence 5, phage Mu 4796.
- nucleotide sequence, insertion specificity, transposon Tn10, bacteria 4110.
- nucleotide sequence, localization tRNA Ile, tRNA Ala genes, Bacillus subtilis 4108.
- nucleotide sequence, mal operon, relationship function 8670.
- nucleotide sequence, ompA gene, Shigella dysenteriae, comparison Escherichia coli 5821.
- nucleotide sequence, penicillinase genes, Bacillus licheniformis 4798.
- nucleotide sequence, penicillinase genes, Escherichia coli, comparison Pseudomonas aeruginosa, evolution 2869.
- nucleotide sequence, penicillinase genes, Escherichia coli, comparison Pseudomonas aeruginosa 5742.
- nucleotide sequence, plasmid pBR325 5024.
- nucleotide sequence, plasmid pT181 repC gene, Staphylococcus aureus 11046.
- nucleotide sequence, polA gene genes, Escherichia coli 8662.

DNA, (continued)
nucleotide sequence, promoters, histidine, arginine, transport operons, Salmonella typhimurium 11040.
nucleotide sequence, relationship protein biosynthesis, basic proteins, Escherichia coli 9675
nucleotide sequence, ribosomal protein S1 genes, Escherichia coli 5822
nucleotide sequence, rpsA gene, Escherichia coli 9718.
nucleotide sequence, transcription initiation sites, deo operon, Escherichia coli 5845.
nucleotide sequence, transposon Tn3 role plasmids recombination 7685.
nucleotide sequence, trpD gene, Escherichia coli 7648.
packaging, association, identification, circular intensity differential scattering, bacteria 12244.
palindromes, double-stranded, binding, cleavage, kinetics, endodeoxyribonuclease EcoRI subunits, Escherichia coli 11087
phage λ, injection, Escherichia coli 269
phage λ, insertion Escherichia coli, reviews 9850
phage λ, integration, excision, recombination 7672
phage λ, interaction, Escherichia coli DNA 7674.
phage ψ, lysogeny, Agrobacterium tumefaciens, morphogenesis 11299.
phage β, phage α, characterization, gene mapping, integration, Corynebacterium 1642.
phage B, restriction endonuclease mapping 1637
phage HP1, lysogency, insertion, R factor, Haemophilus influenzae 2898
phage Mu, plasmid pBR322 insertion 11338
phage Mu, proteins complex, transfection, Escherichia coli spheroplasts 6729.
phage SH5, restriction-modification, Streptomyces hygroscopicus 1654.
phage SP01, fragments, expression, cloning, Bacillus subtilis 11303.
phage T7+plasmid pBR322, recombination, replication 4990
phage T7, Escherichia coli RNA polymerase, mRNA complex, stability 7514.
phage T7, infection Escherichia coli, role RNA polymerase 5847.
phage T7, lasers cross-linking, Escherichia coli RNA polymerase,
phage T7, transfection, Escherichia coli 12822
phage ΦW-14, Bacillus subtilis uptake, characterization 6730.
phage ΦX174, RNA polymerase promoters substrate specificity, Micrococcus luteus, Escherichia coli 11042
phage Φ29, nucleotide sequence, initiation sites, transcription, translation, Bacillus subtilis 6587
phages, infection, Erwinia carotovora, characterization 8712.
phages, injection hosts cells, U.V. radiation effects on 8717.
plasma membranes complex, fractionation, characterization, Bacillus subtilis 6566.
plasmid pBL101, restriction endonuclease mapping, formate dehydrogenase, genes, Escherichia coli 6755
plasmid pTiC58, Agrobacterium tumefaciens, protein biosynthesis, Escherichia coli 5870.
plasmid pT181, replication, cell-free system, Staphylococcus aureus 5869
plasmids, antibiotic resistance, Treponema pallidum 5872.
plasmids characterization, Nocardia asteroides 6748.
plasmids, crown gall, correlation tumorigenesis, Agrobacterium tumefaciens, Nicotiana tabacum 5886.
plasmids, curing, Bacillus subtilis 1687
plasmids, electrophoresis, Streptococcus lactis strains differentiation 5590.
plasmids, genetic analysis, Zymomonas mobilis, strains 11288
plasmids, isolation, analysis, methodology 5032.
plasmids, phage ΦX174 capsids, packaging 7694.
plasmids, proteins association, Streptomyces 6736
plasmids, purification, bacteria 7687.
plasmids, structure, topology, role, biological properties 5893.
plasmids, Thiobacillus ferrooxidans, characterization 285.
plasmids, transformation Bacillus stearothermophilus 5866.
plasmids, transformation Streptococcus pneumoniae, role nucleotide sequence homology 6739.
plasmids, use, genetic engineering, Rhizobium meliloti 6770.
promoters sites stability, role RNA polymerase regonition, Escherichia coli 6571.
+proteins, complex, Escherichia coli, characterization 12549.
proteins, complex, phage Pf1, purification, characterization, Pseudomonas aeruginosa 2903.
proteins, complex, phage Pf1, structure, Pseudomonas aeruginosa, electron microscopy 2902
Pseudomonas putida TOL plasmid, characterization 5016.
purification, lactose operon, N.M.R., plasmids 11293.
recA gene protein complex, characterization, electron microscopy, Escherichia coli 7498
receptors, Bacillus subtilis, localization, membranes 12324
recombinants, Escherichia coli, mutants, detergents sensitivity 3080.
recombinants, phage λ, prophages, gene expression, genetic control, Escherichia coli 2892
recombination, sites, integration, phage λ, Escherichia coli 273.
release, Pseudomonas aeruginosa, effects on mitomycin C 3896
replication, Escherichia coli, amino acid starvation effects on cell size 12428.
replication, Escherichia coli, interaction, phage Mu, transduction 2885.
replication origin, isolation, nucleotide sequence, Erwinia carotovora 5698.
replication, origin, nucleotide sequence, plasmid pT181 11308.
replication relationship deoxyribonucleotides concentration, phage T4, Escherichia coli infection 11048
replication sites, plasmids, Escherichia coli 2904.
replication specificity, DNA repair, mutation, kinetics, Escherichia coli 11049
replication, superhelical, Escherichia coli, enzymes, effects on, phage ΦX174 11292.
replication, suppressors, nucleotide sequence, Bacillus subtilis 11050.
restriction endonuclease mapping, Escherichia coli 8484.
restriction, exodeoxyribonuclease deficient mutant, Pseudomonas aeruginosa 12621.
RNA polymerase binding, Agrobacterium tumefaciens 1511.
Salmonella, homology, gene $vH2^{-}$, flagella, Escherichia coli, radioactive labelling 2692.
secondary structure role mutagenesis level, U.V. radiation, Escherichia coli 11044
single-stranded closed-circular, yeasts, replication origin recognition, Escherichia coli cell-free system 7494.
Spinacea oleracea chloroplasts, binding, Escherichia coli RNA polymerase 193.
Staphylococcus, I.R. radiation spectroscopy 12296.
Staphylococcus aureus association, plasmids, antibiotic resistance 2937.
strands exchange, mechanisms RecA gene proteins, Escherichia coli 4107.
Streptococcus pneumoniae plasmids, cloning 5017.
Streptococcus sanguis, U.V. radiation induction damage 12513.

DNA, (continued)
Streptomyces aureofaciens plasmids, column chromatography isolation, characterization 5892.
structure, dnaB gene protein effects on, Escherichia coli 8545.
supercoiling, DNA gyrase, role stimulation transcription 8509.
supercoiling, plasmid pBR322, structure relationship transformation activity, Escherichia coli 7646.
superhelical ColE1, complementary strands, RNA base composition, Escherichia coli 11309
superhelical, plasmids ColE1, purification, liquid chromatography 8669.
SV40, protein biosynthesis, plasmids, Escherichia coli 2951.
SV40, RNA polymerase, Escherichia coli, substrate specificity 6597.
temperature, effects on, psychrophilic bacteria, isolation, soil, cultural characteristics 12445.
tet operator, binding Tet repressor, transposon Tn10 7659.
tetrahydrofolate dehydrogenase genes, binding tetrahydrofolate dehydrogenase, folinic acid modulation, Lactobacillus casei 6659.
Ti plasmid, crown gall, mutation, transcription, characterization, Agrobacterium tumefaciens 5880
transcription, Agrobacterium tumefaciens, Ti plasmid, crown gall tumors 2905.
transcription, RNA polymerase, association, genetic engineering, recombinants plasmids, promoters, phage T7 5036.
transfer, conjugation, Pseudonomas morsprunorum 2854.
transformation, plasmids, recombinants, Escherichia coli, isolation 1669
transport, role RNA polymerase, phage T7 infection Escherichia coli 4127.
transposons, thermal stability, relationship gene regulation, transposon Tn10 5817.
tris inactivation injection, phage LL-H, Lactobacillus lactis, factors affecting 7677.
tumors, Nicotiana glauca, hybridization Agrobacterium rhizogenes Ri plasmid 7686.
unwinding, cyclic AMP-binding protein effects on, Escherichia coli 5710.
uptake, Haemophilus influenzae, proteins, role 1365.
uptake specificity, plasmids, transformation, Haemophilus 11324.
Yersinia enterocolitica, Yersinia enterocolitica like bacteria, biochemical characteristics, taxonomy 1315.

DNA (adenosine-6-)-methyltransferase,
purification, physicochemical properties, substrate specificity, Haemophilus parainfluenzae 12509.

DNA binding protein,
pyrimidines dimers, association, DNA repair, recA gene protein, role, Escherichia coli 9673.

DNA biosynthesis,
association, antibacterial activity, haloquinone, biosynthesis, isolation, mycelia, Streptomyces venezuelae 9918.
association, gene 44 proteins, amber mutant, phage T4, Escherichia coli 9849.
association, plasmid pBR322, recombination, phage T7, Escherichia coli 2938.
Bacillus subtilis, inhibition trioxacarcins, structure Streptomyces bottropensis 11339.
Bacillus subtilis, phage SP10 5856.
caffeine effects on, relationship nucleotides levels, Escherichia coli 8494.
deoxyribonuclease inhibition effects on, Pseudomonas aeruginosa 3891.
dnaB gene protein role priming complex, Escherichia coli 8547.
Escherichia coli, Bacillus subtilis, Micrococcus lysodeikticus, chlorhexidine effects on 8486.
Escherichia coli, cell division, length regulation 12357.
Escherichia coli, DNA gyrase, inhibition, oxolinic acid, coumermycin 5701.
Escherichia coli, initiation proteins interaction dnaZ gene 7503.
Escherichia coli, plasmid ColE1 DNA biosynthesis, initiation role RNA primers 8730.
Escherichia coli, relationship cell division, thymine starvation 8457.
growth requirements, Pseudomonas 3894.
helicase II stimulation, replication forks unwinding, Escherichia coli 11057.
inhibition, cinoxacin, antibacterial activity, urinary tract infection, man 8829.
inhibition, naphthyridinomycin, antibacterial activity, characterization 8824.
inhibitors, damage, mitomycin C, U.V. radiation, Photobacterium leiognathi 7486.
initiation, Bacillus subtilis, biosynthesis, cell walls biosynthesis, synchronous culture 2594
initiation, Escherichia coli, media (enrichment) 11055.
lymphocytes T, immunostimulation, Mycobacterium lepraemurium experimental infection, mice 6908.
Mycobacterium smegmatis, phage I3 4984.
neomycin effects on, Escherichia coli, in vitro 11053.
nucleic acids, radioactive labelling, bacteria 12511.
phage f1, Escherichia coli 4129.
phage f1 infection, Escherichia coli 2896.
phage G4, phageΦX174, cell-free system Escherichia coli 4128.
phages, Escherichia coli 4119.
plasmid ColE1, plasmid CloDF13, factor RSF1030, role ribonuclease H initiation, cell-free system, Escherichia coli 4141.
priming, dnaB gene protein, Escherichia coli 8546.
reduction, radioactive labelling, Methanobacterium thermoautotrophicum 6567.
Rhizobium, fungicides effects on 3089.
Staphylococcus aureus temperature-sensitive mutant 11059.
Streptomyces aureofaciens, tetracycline effects on 7421.
temperature-sensitive mutant, isolation, characterization, ColE1 11325.

DNA (cytosine-5-)-methyltransferase,
Escherichia coli, purification, structure 9775.
isoenzymes, purification, physicochemical properties, Bacillus subtilis 4886.
kinetics, mechanisms, Bacillus subtilis 4877.
purification, substrate specificity, Arthrobacter luteus 12506.

DNA glycosylase,
assays, phage T4, Escherichia coli 5854.
kinetics, physicochemical properties, reviews 7605.

DNA gyrase,
Escherichia coli, inhibition, novobiocin, clorobiocin, coumermycin, analogs, structure-activity relationships 11058.
Escherichia coli, plasmid pBR322, gene expression, nalidixic acid, novobiocin, effects on 2942.
Escherichia coli, role, RNA biosynthesis, rRNA 2708.
inhibition, oxolinic acid, coumermycin, DNA biosynthesis, Escherichia coli 5701.
mediation phage λ plasmid pBR322 recombination, Escherichia coli 7497.
stimulation RNA polymerase transcription, role DNA ColE1 plasmids 8509.

DNA methylase,
purification, characterization, Thermus thermophilus, Thermus aquaticus, Caryophanon latum 2696.

DNA methyltransferase,
dam gene gene products, purification, kinetics, physicochemical properties, Escherichia coli 7613.
DNA nucleotidyltransferase,
enzymatic activity, Escherichia coli, association, R factors, U.V. radiation 2765.
DNA polymerase,
activity, nucleoids, Escherichia coli 4862.
amino acid sequence, secondary structure predictions, Escherichia coli 8562.
inhibition cyclohexane carboxaldehyde, benzaldehyde, protocatechualdehyde, Escherichia coli 11174.
phage T7, thioredoxin activation, comparison Escherichia coli, chloroplasts Spinacea oleracea 5002.
Spiroplasma citri, isolation, characterization 6633.
DNA polymerase I,
ATP stimulation, Escherichia coli 4916.
caffeine inhibition, Escherichia coli, Micrococcus luteus 5753.
effects on defective mutant, Escherichia coli, U.V. radiation sensitivity 11284.
Escherichia coli, inhibition, anthracycline antibiotics 12622.
Escherichia coli, oligodeoxyribonucleotides synthesis, methodology 8513.
oligo (T) analogs initiation, Escherichia coli, calf thymus 6616.
properties, U.V. radiation DNA damage effects on, Escherichia coli 7505.
purification, characterization, Escherichia coli 9766.
role fidelity replication, Escherichia coli 4800.
role transposition genes, Escherichia coli mutants 11271.
Shigella sonnei, deficient mutant, nitrosoguanidine, induction, mutagenesis 2863.
substrate specificity, Escherichia coli 5752.
uptake, Escherichia coli defective mutant, membrane permeability 6718.
DNA polymerase II,
purification, Escherichia coli 11181.
DNA polymerase III,
N2-(p-n-butylphenyl)guanine, N2-(3',4'-trimethylene phenyl)guanine inhibition, Bacillus subtilis 7621.
purification, characterization, Escherichia coli 7622.
β-subunit, correlation dnaN gene, Escherichia coli 8674.
DNA polymerase (RNA-dependent),
avian myeloblastosis virus, mRNA poly(A)-containing, cDNA, cloning, Bacillus subtilis 11039.
DNA primase,
purification, characterization, role, replication, RP4 plasmid 2948.
DNA repair,
association, pyrimidines dimers, DNA binding protein, recA gene protein, role, Escherichia coli 9673
associaton, RNA, superhelical ColE1, biosynthesis, Escherichia coli 11313.
Bacillus subtilis phage SPP1, U.V. radiation lesions, host cell reactivation role 8720.
Bacillus subtilis, spore germination, association, heat, acids, induction DNA injuries 7500.
characterization, Escherichia coli 8703.
chloramphenicol effects on, U.V. radiation, Escherichia coli 4191.
cyclobutane pyrimidine dimers, role, Micrococcus luteus endodeoxyribonuclease (apurinic or apyrimidinic), models 9730.
deficiency, mutants, Escherichia coli, freeze-thawing, effects on 1433.
Escherichia coli, U.V. radiation 6569.
Escherichia coli, U.V. radiation, mutagenesis 2691.
Escherichia coli, U.V. radiation, starvation effects on 6568.
Escherichia coli, characterization, U.V. radiation 1438.
Escherichia coli, cis-platinum diamminodichloride effects on 8488
Escherichia coli, deficient mutant, reactivation, phage T7 271.
Escherichia coli, efficiency, U.V. radiation effects on 8487.
Escherichia coli, induction, U.V. radiation, double-stranded breaks 5706.
Escherichia coli, mechanisms 11318.
Escherichia coli, mutants, U.V. radiation 2694.
Escherichia coli, rep gene, U.V. radiation sensitivity 9842.
Escherichia coli, role, U.V. radiation lethality 2703.
genes, gene mapping, Escherichia coli 6689.
genes, gene products characterization, Escherichia coli 12750.
genes, role, Pseudomonas aeruginosa freeze-thawing resistance 12810.
Haemophilus influenzae, psoralen+U.V. radiation, role, gene products 3893.
lyophilization effects on, bacteria, reviews 5704.
mutation, DNA replication specificity, kinetics, Escherichia coli 11049.
pathway, U.V. radiation lesions, phage Sd, protein biosynthesis inhibitors, Escherichia coli 6724.
phages, Bacillus subtilis protoplasts, enzymatic activity 152.
photoreactivation induction, U.V. radiation damage DNA 11047.
post-replication, U.V. radiation, temperature-sensitive mutant, chloramphenicol, Escherichia coli 1426.
regulation, U.V. radiation induction uvrB operon, Escherichia coli 6692.
U.V. radiation induction, Vibrio cholerae 4805.
U.V. radiation, Staphylococcus aureus, mutants, phage Φ 11, factors affecting 1431.
uvrD3 gene effects on, strains comparison, Escherichia coli 2864.
DNA topoisomerase,
DNA proteins interaction, reviews 7495.
inhibitors, isolation, Micromonospora echinospora 7595.
DNA topoisomerase I,
Escherichia coli, Salmonella typhimurium, supX gene 6706.
DNA-binding protein,
amino acid sequence, Rhizobium meliloti 9721.
association, phage T7, mutants, isolation, Escherichia coli 7682.
DNA proteins interaction, reviews 7495.
genes, nucleotide sequence, Escherichia coli 4976.
homology, amino acid sequence, Escherichia coli, comparison, phages 12551.
lactose repressor, amino acid sequence, comparison, Escherichia coli 9713.
Pseudomonas aeruginosa, purification, characterization, comparison Escherichia coli 4848.
Pseudomonas cell surface, association flocculation 12565
purification, characterization, Bacillus globigii, Escherichia coli, 9722.
purification, characterization, Col E1, Escherichia coli 9720.
stimulation recA gene proteins proteolysis phage λ repressors, Escherichia coli 5005.
structure comparison, Escherichia coli, phage λ 5736.
transfer kinetics, DNA, Escherichia coli 11038
DNA-unwinding protein,
Bacillus subtilis, role, phage SPO1, replication, development 2899.
Escherichia coli, role, drug resistance, nalidixic acid, gyrB gene, gene mapping
DNA-unwinding protein, (continued)
3108.
DnaB gene protein,
activation, comparison single-stranded, double-stranded DNA, Escherichia coli 8544.
effects on DNA structure, allosteric properties, role ATP, Escherichia coli 8545.
priming DNA biosynthesis, Escherichia coli 8546.
purification, characterization, Escherichia coli 8543.
role priming complex, Escherichia coli 8547.
cDNA,
Escherichia coli, cloning uvrC gene, plasmid pUV7, restriction endonuclease mapping 11045.
globin genes, chickens, cloning, plasmid pMB9 4144.
lacI gene, detection, Escherichia coli 8665.
nucleotide sequence, dnaG gene, Escherichia coli 11051.
nucleotide sequence, promoters regions, rrnG locus, Escherichia coli 7644.
plasmids use, dnaG gene regulation, Escherichia coli 12753.
mRNA poly(A)-containing, DNA polymerase (RNA-dependent), cloning, Bacillus subtilis, avian myeloblastosis virus 11039.
somatotropin genes, cattle, gene expression, Escherichia coli 8667.
Di(nitroetyl)sulfide,
synthesis, antibacterial activity, gram-positive bacteria 8844.
1-Dodecylpiperidine,
effects on Bacillus cereus spores 8461.
1-Dodecylpiperidine N-oxide,
antibacterial activity, Staphylococcus aureus, oxidative phosphorylation 2686.
Dodecyltriethoxy sulfate,
biodegradation, Pseudomonas 12426.
Dogs,
actinomycosis, thorax, vertebrae, clinical aspects, treatment, diagnosis 2392.
animal isolates, Staphylococcus aureus, penicillinase production 5772.
animal models, Escherichia coli septic shock, relationship, vasopressin plasma levels 11962.
animal models, periodontitis, ligature replacement, metronidazole effects on 6159.
animal models, postoperative infection immunopathology, sutures materials effects on 1028.
animal models, respiratory tract ciliary movement, Bordetella bronchiseptica effects on 3345.
animal models, Staphylococcus aureus postoperative infection, experimental, sutures materials effects on 1039.
animal models, stress induction ulcers, associtION, Escherichia coli sepsis 9313.
animals bites, wound infection Pasteurella multocida, man 6302.
bacteria isolation, characterization, soft tissues infection 9570.
bacteria, peritonitis, toxins isolation, experimental infection 1821.
bacteria, pneumonia, complications, pneumothorax, case reports 2382.
bacteria, pneumonia, treatment, cephalosporins 2375.
bacteria pneumonia, treatment, cephalosporins 8093.
bacteriuria, bacteria, measuring techniques, Bacturcult test 3572.
bacteriuria, urinalysis 13374.
bites, Pasteurella multocida clinical isolates, fatty acid composition 4951.
blood vessels grafts, Staphylococcus aureus experimental infection, treatment, oxacillin bonding 13403.
Bordetella bronchiseptica, clinical isolates, antibacterial activity, drug sensitivity testing 1758.
Bordetella bronchiseptica, isolates, respiratory tract diseases, antibacterial agents, susceptibility 7870.
Bordetella bronchiseptica, tracheobronchitis, prophylaxis, parainfluenza virus, vaccination 3645.
Bordetella bronchiseptica vaccination, antibody response 635.
Brucella canis, abscesses, uterus, case reports 2340.
Brucella canis, brucellosis 10678.
Brucella canis, brucellosis, seroepidemiology 9364.
Brucella canis, diagnosis, agglutination assays 5189.
Brucella canis infection, diagnosis, agglutination 3161.
Brucella canis infection, spermatozoa agglutination, infertility, autoimmunity 6916.
Brucella canis infection, treatment, clinical trials 12062.
Brucella suis, experimental infection 1063.
brucellosis, Brucella canis, pathogenesis, epidemiology, treatment 7285.
Campylobacter, enteritis, transmission, man 1114.
Campylobacter fetus subsp.jejuni infection, diagnosis 10665.
case reports, Actinomyces, anaerobic microorganisms, osteomyelitis, clinical aspects 10715.
case reports, bacteria, pneumonia, pathology, pneumothorax assocaition 8092.
Clostridium peritonitis, spleen necrosis, association, pneumoperitoneum, case reports 2354.
dysbacteriosis, intestine, association, malabsorption, treatment, pathology, case reports 12072.
ehrlichiosis, disease transmission, Cercopithecus pygerythrus 4583.
endotoxin shock, Escherichia coli, effects on myocardium proteins contractility, animal models 484.
endotoxin shock, Escherichia coli endotoxins effects on electrocardiogram 7891.
endotoxin shock, Escherichia coli endotoxins, treatment, naloxone 1832.
endotoxin shock, Escherichia coli, role, opiates receptors, animal models 6873.
endotoxin shock, lesions formation, hydrocortisone effects on 10091.
Escherichia coli endotoxins effects on blood flow, brain 12984.
Escherichia coli endotoxins, hemorrhage, effects on vascular system, permeability 11500.
Escherichia coli endotoxins shock effects on myocardium 8881.
experimental infection, Leptospira interrogans ser.icterohemorrhagiae, clinical aspects, blood pathology 2378.
feces, Campylobacter, isolation 1113.
gastrointestinal tract infection, Escherichia coli, Salmonella, India 13377.
genital microflora, Mycoplasma, Ureaplasma, role, infertility 2333.
genital tract microflora, aerobic bacteria, association, estrus cycle 9327.
gingiva keratinization, dental plaque prophylaxis 12047.
gnotobiotics, animal models pathogenesis Campylobacter jejuni colitis 12079.
heart, glycolysis, Escherichia coli, endotoxins, effects on 3133.
hemodialysis, endotoxins bacteria removal, ultrafiltration, experimental infection 1833.
hemorrhage, Leptospira interrogans var. icterohaemorrhagiae, experimental infection 9367.
hypoglycemia, association, sepsis, case reports 9356.
ileovesical diversion, urinary tract infection risks 5463.
immunogenicity, Leptospira vaccines, preparation, association, protein-free media

Dogs, (continued)
9046
infectious diseases, association, leukocytes (granulocytic) activity 7932.
kennel cough, treatment, combined vaccines, Bordetella bronchiseptica+adenovirus (canine) 2+parainfluenza virus 4345.
kidney, isolation, Leptospira serotypes 9340.
Leptospira infection, antigens, seroepidemiology, organotropism 2395.
Leptospira interrogans ser.canicola, Leptospira interrogans ser.icterohaemorrhagiae, experimental infection, antibody response 595.
Leptospira serotypes vaccines, comparison, immunogenicity, immune response 9044.
lymphosarcoma, association salmonellosis 6362.
maternal transfer, BCG antibodies 528.
microflora, digestive tract, diarrhea, clinical aspects, case reports, magnesium sulfate treatment 10643
mixed infection, Encephalitozoon cuniculi, Leptospira interrogans 8089.
Mycobacterium avium infection, case reports 5481.
Mycobacterium chelonei abscesses, case reports 6372.
neonates, Staphylococcus aureus experimental infection, neutropenia, effects on leukocytes (neutrophilic), treatment blood transfusion leukocytes (granulocytic) 6376.
p-nitrophenylphosphatase, endotoxins effects on, heart 495.
nocardiosis, clinical aspects, pathology 7258.
nosocomial environments, association, infection, man 11904.
osteomyelitis, infection, Actinomyces, case reports 12053.
otitis externa, Staphylococcus aureus 3602.
pancreas carcinoma, Clostridium novyi isolation, liver 6368.
parvovirus infection, association, isolation, Clostridium perfringens 3580.
pneumonia, plasma levels, effects on respiration 9095.
prednisolone± Escherichia coli effects on leukocytes (neutrophilic) survival, glucose utilization, Escherichia coli clearance, in vitro 13040.
Rocky Mountain spotted fever, case reports 7249.
Salmonella, infection, epidemiology 4564.
Salmonella typhosa, vaccination, hyperimmunization, immune response, rabbits 9025.
sepsis, Escherichia coli, lung edema, role, immune response 1970.
septicemia, Streptococcus zooepidemicus, case reports 2336.
Serratia marcescens endotoxins effects on platelets, blood 10081.
skeletal muscle, insulin resistance, Escherichia coli endotoxin shock 5174.
skeletal muscle, insulin resistance, Escherichia coli endotoxin shock 5179.
spleen disorders, diagnosis, Clostridium novyi 1101.
Staphylococcus aureus, mercuric chloride drug resistance, zoonoses, man 9088.
testis, spermatogenesis, Killed, BCG, methanol extraction, inhibition 3595.
tetanus, case reports 12074.
tonsillitis, pharyngitis, bacteria, diagnosis, treatment 7247.
urinary tract infection, Pseudomonas aeruginosa, treatment, oral administration, tetracycline 1092.
urine, excretion, zinc, iron, Pasteurella multocida, inoculation, effects on 2361
Veterinary medicine hopsitals, Serratia marcescens nosocomial infection, Epidemiology 4565.

Dolchos biflorus,
Pseudomonas pisi, inoculation, production, pterocarpans 1146.

Dolichos biflorus,
nodulation Rhizobium genotypes, wild type competition inoculation 7320.

Domains,
structure, isocitrate dehydrogenase ($NADP^+$), Azotobacter vinelandii 4039.

Domestic animals,
arthritis, histopathology, Mycoplasma 10702.
bacteria, animal isolates, antibiotic sensitivity testing, Netherlands 3000.
blood parasites, Eperythrozoon suis, Eperythrozoon parvum 9341.
Campylobacter jejuni infection, association zoonoses 8110.
Cowdria ruminatium, disease transmission, Amblyomma sparsum, larvae 3599.
digestibility, feeds, chemical modification, rumen microflora 9321
epizootics, diagnosis, serological tests 3165.
epizootiology, disease control, bacteria 10644.
isolates, coagulase positive Staphylococcus intermedius, Staphylococcus hyicus subsp.hyicus, identification methodology 2569.
Mycobacterium avium infection, pathology 6337.
Mycoplasma infection, pathogenesis, conferences 10837
mycoplasmosis 10685.
rectum samples, Enterobacteriaceae, drug resistance, lysogeny, colicinogeny 453.
rumen, bacteria, growth, nitrogen sources, effects on 3555.
rumen microflora role feeds digestion 9319.
rumen microflora role feeds digestion 9320.
salmonellosis 13380.
tuberculosis, disease resistance, incidence 9332.
zoonoses, epidemiology, man 13269.

Donors,
electrons, ferredoxin, role, nitrogen fixation, Xanthobacter autotrophicus, in vitro 1421.

L-Dopa,
Pseudomonas maltophilia, L-tyrosine conversion 11119.

Dosage,
chlorhexidine digluconate, effects on, dental plaque, gingivitis, man, clinical trials 3297.
vaccination, Clostridium tetani, tetanus, immunity, man 4352.

Dose-response effects,
antibiotics treatment infection, man 9284.
antimicrobial agents, antibiotic synergism, models 4466.
complement, effects on, Escherichia coli, membranes 1890.
cotrimoxazole treatment, Pneumocystis carnii infection, pneumonia, man, kidney transplantation 7973.
Escherichia coli, endotoxins, inoculation, horses 1836.
pertussis vaccines, bioassays, computer applications 4338.
rosoxacin, Neisseria gonorrhoeae, gonorrhea, females, man 7083.

Dotriacolide,
biosynthesis Micromonospora echinospora, inhibition penicillinase 7635.

Doxorubicin,
+aminosidine, antibacterial activity, drug synergism, Escherichia coli 3076.
antitumor agents, toxicity, methodology, biosynthesis, conversion, Streptomyces peucetius 6683.
inhibition, DNA polymerase I, Escherichia coli 12622.

Doxycycline,
+amikacin, treatment, mycobacteriosis, Mycobacterium fortuitum, Mycobacterium chelonei, man 6258.
antibiotic resistance, clinical isolates, agar dilution test 7832.

Doxycycline, (continued)
antibiotic sensitivity testing, Bacteroides penicillin antibiotic resistance 5955.
effects on, intestinal microflora, man 675.
prophylaxis, postoperative infection, digestive tract, man 10381.
prophylaxis, septicemia postoperative infection, colon surgery, man 1015.
Streptococcus pneumoniae, antibacterial activity, in vitro 389.
treatment, bacteria bronchitis, man 11747.
treatment, biliary tract infection, bacteria, man 3511.
treatment, chancroid, Haemophilus ducreyi 932.
treatment, Chlamydia urethritis, man, males 5329.
treatment, gonorrhea, man 928.
treatment, gonorrhea, man 13229.
treatment, non-specific urethritis, man 13232.
treatment, pelvic inflammatory disease, man 13189.
treatment, Streptococcus, Staphylococcus, Escherichia coli, acne, man 1942.

Doxycylcine,
prophylaxis, Escherichia coli, travellers diarrhea 9143.

Drainage,
lymph, thoracic duct, effects on, peritonitis, treatment, man 3438.
treatment, biliary tract sepsis, man 13309.

Drainage systems,
treatment, Staphylococcus aureus, pericarditis, man 1027.
wound infection, pelvis, man 2270.

Drilling,
oil installations, oil dispersants, use bacteria, biosynthesis surfactants, screening 8649.

Drilling fluids,
fuels wells, marine environment, sand, effects on microorganisms 10803.

Drinking water,
bacteria isolates, chlorine resistance 12962.
contamination, Yersinia enterocolitica, identification, biochemical characteristics 7392.
fluoridation, role, dental caries, children, British Isles 1966.
indicator species, use biochemical characteristics, Streptococcus faecalis, Streptococcus faecium 11002.
isolation, methylotrophic bacteria, biochemical characteristics, morphology 10999
methylotrophic bacteria, enumeration 12168.
mutagenicity testing, Salmonella typhimurium 7379.
physicochemical properties, microbial pollution, coliforms 6442.
pipes, tar, colonization, bacteria 12180.
Pseudomonas aeruginosa, growth, relationship, carbon sources 12392.
trace elements, effects on, dental plaque, rats 732.

Drosophila,
alcohol dehydrogenase, structure, comparison, Klebsiella ribitol dehydrogenase, evolution 4883.

Drosophila busckii,
Erwinia carotovora disease transmission 2418.

Drosophila melanogaster,
cell culture, Spiroplasma growth 5567.
Erwinia carotovora disease transmission 2418.
transmission, Erwinia carotovora subsp.carotovora, Erwinia carotovora subsp atroseptica, temperature effects on 5498.

Drought,
effects on nitrogen fixation, Rhizobium leguminosarum, Rhizobium meliloti, nodules, Vicia villosa, Melilotus officinalis, soils (saline) 1222.
stress, nitrogen fixation, nodulation, Prosopis 10795.

Drug abuse,
association, Staphylococcus aureus, Streptococcus pneumoniae, arthritis, man, case reports 5388.

Drug addiction,
association, endocarditis, bacteria, diagnosis, management, man 11939.
association, endocarditis, syringes, isolation, Pseudomonas aeruginosa, man 3501.
effects on, saliva, secretion, dental caries, man 3298.
heroin, respiratory tract infection, Staphylococcus aureus, man 10320.
man, association endocarditis 13343.

Drug resistance,
association, R factors, Escherichia coli isolation, Aves 10054.
bacteria 8864.
bacteria clinical isolates 10062.
bacteria, R factors, transfer 10058.
bacteria, sulfonamide, trimethoprim, clinical isolates, Finland 12956.
bacteria, transfer, media (transport) 4218.
bacteria, transposon Tn10, use markers, genetic analysis 11320.
Bordetella bronchiseptica, association R factors, isolation pigs juveniles 6850.
cadmium, Staphylococcus aureus, efflux, role, plasmids 3113.
cadmium, Staphylococcus aureus, plasmid IP 983 5034.
cadmium, Staphylococcus aureus, plasmids, toxins, production, genetic analysis 1679.
chloramphenicol, cations effects on, Pseudomonas aeruginosa 9993.
chloramphenicol, gram-negative bacteria, plasmids, role, membrane permeability 2597.
chlorate, Escherichia coli, role, trimethylamine N-oxide reductase 2681.
chlorhexidine, Serratia marcescens, disinfectants, contamination, hospitals 3114.
chlorhexidine, Staphylococcus aureus, clinical isolates 8865.
Clostridium cochlearium, mercury, organic compounds mercury, biodegradation 6521.
cotrimoxazole, bacteria clinical isolates 11474.
cotrimoxazole, Salmonella typhimurium, R factors replication 7874.
cyanide, Enterobacter, β-cyano-L-alanine biosynthesis 3939.
dapsone, development, immunosuppression, man, leprosy, association, pregnancy, Mycobacterium leprae 3280.
dapsone, leprosy, Mycobacterium leprae, diagnosis, treatment, man 6945.
determinants, transposon Tn2671, plasmid NR1, Escherichia coli 6764.
disinfectants, contamination, bacteria 11470.
Enterobacteriaceae, clinical isolates, Trimethoprim, transposon Tn 7 10060.
Enterobacteriaceae, cotrimoxazole, prophylaxis, immunocompromised hosts, septicemia 8863.
Enterobacteriaceae, sewage, man rectum samples, domestic animals rectum samples 453.
Enterobacteriaceae, urine, Autobac test, identification, Micro-ID test 1307.
± enterotoxins production, Escherichia coli, plasmids conjugation 8862.
Escherichia coli, animal isolates, sulfonamides, trimethoprim 4195.
Escherichia coli, co-trimoxazole, trimethoprim, diarrhea treatment, man 4217.
Escherichia coli, irgasin, mechanisms 11472.
Escherichia coli, Klebsiella 384.

Drug resistance, (continued)
  Escherichia coli, mercuric chloride 3117.
  Escherichia coli, R factors, diarrhea, children 274.
  Escherichia coli, trimethoprim, sulfonamides, incidence, chickens, pigs, British Isles 3063
  fluctuations, Escherichia coli, association, antibiotics dietary intake, juveniles, chickens 10055.
  Gardnerella vaginalis, metronidazole, finidazole 8858.
  Haemophilus influenzae, ampicillin, man, incidence 8798.
  heavy metals, antimicrobial agents, Pseudomonas aeruginosa, Escherichia coli, marine environment 459
  heavy metals, bacteria, pollution effects, sediments, lakes, USA, Vermont 2462.
  heavy metals, Escherichia coli, surface water isolates 11443.
  incidence, Mycobacterium tuberculosis, Haiti immigrants, USA 13293.
  isonazid, streptomycin, Mycobacterium tuberculosis clinical isolates 11469.
  isoniazid, Mycobacterium tuberculosis, clinical isolates, surveys, Algeria 3060.
  isoniazid, +rifampicin, clinical isolates, Mycobacterium tuberculosis 4199.
  Klebsiella, role, plasmids 6752.
  Legionella pneumophila, isolation, surface water 61.
  mercury, association, Moraxella plasmid pUO1, isolation, characterization 4138.
  mercury, soil microorganisms 456.
  mercury, Thiobacillus ferrooxidans, volatilization 1378.
  microorganisms, antimicrobial agents, computer applications 3077.
  mutants, bacteria, tuberactinomycin derivatives effects on protein biosynthesis 9976.
  Mycobacterium avium, association, cell walls structure 4221.
  Mycobacterium, role plasma membranes 5987.
  Mycobacterium tuberculosis, drug sensitivity testing, disease control 11471.
  nalidixic acid, Escherichia coli, role, DNA-unwinding protein, gyrB gene, gene mapping 3108.
  nalidixic acid, role, plasmids, R factors, Escherichia coli 286.
  nalidixic acid, trimethoprim, Enterobacteriaceae, relationship, treatment, urinary tract infection, man 1787.
  Neisseria gonorrhoeae, in vitro 8802.
  Neisseria meningitidis, sulfonamides, passage effects on 1790.
  nosocomial infection, disease control, etiology, man 10610.
  pentachlorophenol, gram-negative bacteria 5145.
  plasmids, Escherichia coli, IncP-1 plasmids, transfer, Rhizobium japonicum 5033.
  plasmids, isolation, Escherichia coli clinical isolates 7700.
  plasmids, role, cadmium, transport, Staphylococcus aureus 3106.
  Proteus mirabilis, Proteus rettgeri, Proteus vulgaris, incidence 3061.
  Pseudomonas aeruginosa, chlorhexidine, man clinical isolates 3111.
  Pseudomonas aeruginosa, nalidixic acid, β-lactam antibiotics, role, chromosome aberrations, gene mapping 10057.
  Pseudomonas aeruginosa, nosocomial environments 10056.
  Pseudomonas aeruginosa, plasmids identification, hospitals, Australia 3073.
  Pseudomonas aeruginosa plasmids, plasmid pYMB1, isolation 281.
  pyrazinamide, Mycobacterium tuberculosis 1783.
  Rhizobium, thiuram 3116.
  rifampicin, Haemophilus influenzae type b, meningitis, children, disease transmission, prophylaxis 8856.
  Salmonella infantis, plasmid pNO10 characterization 1666.
  Salmonella isolates, drug sensitivity testing, incidence, plasmids R factors 4201.
  Salmonella typhimurium, cattle isolates 3112.
  Salmonella typhimurium, plasmids 402.
  Salmonella typhimurium, R factors, mutants deletion genes 9876.
  Salmonella typhimurium, Salmonella dublin, Salmonella cholerae-suis, Salmonella enteritidis, Salmonella gallinarum-pullorum, antibiotic resistance, sulphathiazole, colistin, neomycin 3115.
  Shigella, R factors, identification 12835.
  silver ions, Thiobacillus ferrooxidans, iron-oxidizing bacteria, isolation, characterization 4220.
  Staphylococcus aureus 380
  Staphylococcus aureus, man, postoperative infection treatment 8857.
  Staphylococcus aureus, mercuric chloride, zoonoses, dogs, man 9088.
  Streptococcus, characterization 5888.
  Streptococcus, reviews 5890.
  Streptococcus viridans, penicillin, infection, man 7872.
  sulfadiazine, Pseudomonas, wound infection, burns, treatment, quinoline
  sulfanilamide, R factors, gram-negative bacteria 10059.
  sulfonamides, R factors, Escherichia coli, animal isolates, chickens 4200.
  sulphadiazine, plasmids, Pasteurella multocida, transfer, Escherichia coli 3050.
  tetracycline, Corynebacterium diphtheriae, clinical isolates 7827
  transfer, coagulase negative Staphylococcus, Staphylococcus aureus, mixed culture 4197.
  trimethoprim, bacteria, urinary tract infection, man 12957.
  trimethoprim, Enterobacteriaceae Clinical isolates, plasmids 10061.
  trimethoprim, Escherichia coli, clinical isolates 457.
  trimethoprim, Escherichia coli, Proteus mirabilis, urinary tract isolates 452.
  trimethoprim, Escherichia coli, role, transposons 6754.
  trimethoprim± sulphamethazole, bacteria, urinary tract isolates, incidence, man 458.
  triphenyltetrazolium chloride, Campylobacter fetus subsp.jejuni, comparison, Campylobacter fetus subsp.intestinalis 3109.
Drug self-administration,
  dapsone, leprosy, man, Ethiopia, Mycobacterium leprae, 3277.
Drug sensitivity testing,
  Alzogur, Treponema hyodysenteriae 5132.
  antibacterial activity, Bordetella bronchiseptica, clinical isolates, cats, dogs 1758.
  automated methods, dilution tests, autobac test, MS-2 system 11388.
  bacteria, automated methods, technology 6834.
  chemotherapy, methodology 11378.
  clinical isolates, disc-diffusion test, comparison, automated methods 8278.
  clinical isolates, Enterobacteriaceae, Pseudomonas, Staphylococcus, methodology 4202.
  conjunctivitis, man, Enterobacter cloacae, Acinetobacter calcoaceticus, Staphylococcus aureus, Staphylococcus epidermidis, Pseudomonas aeruginosa 7149.
  Cotrimoxazole, urinary tract infection, pathogens 11460.
  diffusion tests, dilution tests, anaerobic bacteria 11380.
  dilution tests, agar dilution test, methodology 11390.
  drug resistance, Mycobacterium tuberculosis, disease control 11471.
  effects on sterols, biosynthesis, mixed culture, Candida, +bacteria 5988.
  Escherichia coli, chlorine dioxide, relationship, growth conditions 12939.
  Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa, role, media 377.

Drug sensitivity testing, (continued)
  ethambutol, Mycobacterium 5947.
  eye diseases, bacteria distribution, case surveys 6852.
  eye diseases, bacteria distribution, case surveys 7111.
  gram-positive bacteria, gram-negative bacteria, methodology comparison 8850.
  Mycobacterium, growth, role, photometry 8855.
  Mycobacterium tuberculosis, clinical isolates, drug resistance, isonazid, streptomycin 11469.
  nalidixic acid, co-trimoxazole, Escherichia coli, Proteus mirabilis, Klebsiella 4169.
  Neisseria meningitidis, sulfadiazine 325.
  nifuroxazide, Campylobacter, Shigella, Salmonella, Yersinia, Escherichia coli 5130.
  photometry, Mycobacterium 11446.
  phytoalexins, gram-negative bacteria, gram-positive bacteria 5133.
  pipemidic acid, bacteria 1762.
  Pseudomonas pseudomallei 5054.
  Pseudomonas, Xanthomonas, Flavobacterium, Micrococcus, disinfectants contamination 7848.
  pyrazinamide, Mycobacterium tuberculosis 1783.
  quinolones, co-trimoxazole, Escherichia coli, Klebsiella, Citrobacter, Proteus, clinical isolates 4175.
  Salmonella isolates, antimicrobial resistance, incidence, plasmids R factors 4201.
  Staphylococcus 5903.
  Staphylococcus aureus, cattle, cow's milk, Brazil, USA, California 7869.
  Staphylococcus aureus, lysozyme 3107.
  Treponema hyodysenteriae, dysentery, pigs, animal isolates 10023.
Drug synergism,
  aminosidine+doxorubicin, antibacterial activity, Escherichia coli 3076.
Drugs,
  activity, serine effects on, Escherichia coli mutants 10022.
  effects on recombination, Bacillus subtilis transformation 12765.
  treatment, bacteria mastitis, factors affecting, cattle 13381.
  treatment, maduromycosis, man, infection, Actinomadura madurae, case reports 10287.
  treatment, sexually-transmitted diseases, man, bacteria infection, reviews 11859.
  treatment, tuberculosis lung, reviews 6195.
Dry,
  heat, disinfection, contamination, bacteria, fungi, swelling agents 426.
Dry weight,
  distribution, Trifolium repens, relationship, nodules, nitrogen fixation 1166.
Drying,
  soil, isolation, Actinoplanes, ecological distribution 9481.
Ducks,
  Pasteurella anatipestifer, infection, India 3619.
  Pfeifferella anatipestifer serotypes, USA 4703.
Dune stabilization,
  sand aggregation, role Actinomycetes, bacteria 9479.
Dunes,
  Hippophae rhamnoides subsp.rhamnoides, succession, growth, nodulation, actinomycetes 4638.
Duodenum,
  epithelium, chickens, Streptococcus faecium, adherence, role, colonization, gnotobiotics 3809.
  intubation, relationship, typhoid fever, man, case surveys 7984.
  microflora, postoperative infection, man, cimetidine, effects on 2037.
  surgery, postoperative infection, association antibiotic prophylaxis, man 6210.
Duplication,
  tuf gene, gram-negative bacteria, gram-positive bacteria, gene mapping 2871.
Duplications,
  dnaB gene, Escherichia coli, frequency, chromosomes 4966.
Dust,
  composts, mushroom worker's lung, etiology, immunoprecipitation, relationship, airborne microorganisms 1973.
  composts, mushrooms culture, bacteria, fungi, enumeration 2468.
Dyes,
  acridine, effects on, Streptomyces antibiotics biosynthesis 11363.
  benzidine, metabolism, intestinal microflora, role etiology urinary bladder carcinoma, man 13064.
  biodegradation, Bacillus subtilis, synchronous growth, role, textile industry wastewater treatment 4754.
  biodegradation, books, conferences 12198.
  Brown MX-5BR, interactions tryptophanyl-tRNA synthetase, inhibition kinetics, Bacillus stearothermophilus 11179.
Dynamics,
  electron transfer, reaction centers, models, photosynthesis bacteria 8476.
  recombination, photosynthesis, Rhodopseudomonas sphaeroides 12486.
Dysbacteriosis,
  ileum pathology, Crohn's disease, man 5264.
  intertrigo, scanning electron microscopy, man 3289.
  intestine, association, malabsorption, treatment, pathology, dogs, case reports 12072.
Dysentery,
  bacteria, pigs 9347.
  children, treatment, antibiotics± adaptogens 10362.
  man, incidence, contamination, water supplies, Libya 7985.
  pigs, animal isolates, Treponema hyodysenteriae, drug sensitivity testing 10023.
  Shigella dysenteriae, clinical aspects, role, antigen-antibody complexes, man 544.
  Shigella, pathology, treatment, man 11788.
  Shigella, Salmonella, antigens, detection, agglutination, tests, man 1847.
  Shigella, treatment, ampicillin, compound Ro-12-2510, comparison, man 2042.
  Treponema, immunity, pigs 10172.
Dysfunction,
  pituitary, man, meningitis, Staphylococcus aureus infection 13213.

Ear,
  canals, bacteria microflora, diabetes mellitus, man 7961.
  infection, bacteria, pathology, etiology, man, reviews 6992.
  infection, Staphylococcus aureus, Staphylococcus epidermidis, secretory otitis media, clinical isolates 5286.
  infection, swimming, coliforms contamination, water quality, lakes, man 8214.
  Pseudomonas aeruginosa, infection, treatment, topical application,

Ear, (continued)
  neomycin+polymyxin, ear, man 3336.
  Staphylococcus exotoxins chemotaxis, leukocytes (polymorphonuclear), passage, role, round window 10086
Earias,
  feeding, disease transmission, Xanthomonas malvacearum blight, Gossypium hirsutum 10738.
ECG,
  diagnosis, endocarditis, man 7126.
  diagnosis, endocarditis, man 13325
  endocarditis, diagnosis, management, man 2198.
  endocarditis, Streptococcus, Staphylococcus aureus, Haemophilus parainfluenzae, man 5368.
Echinosporin,
  Streptomyces echinosporus, production, isolation, characterization 7725.
Echocardiography,
  diagnosis, endocarditis, bacteria, man 3497.
  diagnosis, endocarditis, bacteria, man 12000.
  diagnosis, endocarditis, Neisseria gonorrhoeae, association, hypoplasia, case reports, man 7098
  diagnosis, endocarditis, Staphylococcus cutis, case reports, man 12021.
  diagnosis, Streptococcus mitis, endocarditis, association, stenosis, aortic valve, man, case reports 3447
  endocarditis, Streptococcus viridans, diagnosis, surgery treatment, man 1001.
  heart valves abscesses, association, endocarditis, man 10452.
  identification lesions, association bacteria endocarditis, man 6315.
ECHOvirus,
  infection, children, interaction intestinal microflora, Enterobacteriaceae 13066.
  respiratory tract infection, correlation, pertussis, children, British Isles 790.
Ecklonia maxima,
  detritus, biodegradation, carbon cycle, intertidal environment, bacteria 12156.
Ecological distribution,
  Actinoplanes, soil 9481
  aerobic bacteria, plasmids, association, pollution, rivers 13508.
  bacteria, biomass, intertidal environment 10817.
  bacteria epiphytes, phylloplanes 12121.
  bacteria, filtration, electron microscopy, sea water, identification 13514.
  bacteria, oil, ground water, methanogenesis 13509.
  Clostridium botulinum type E, books 13535.
  Clostridium botulinum type E, spores, soil, water, reviews 9450.
  ground water, oil, Rhodopseudomonas 13519.
  hot springs, Sulfobacillus thermosulfidooxidans 13517.
  methanogenic bacteria, methanogenesis, anaerobic environments 12176.
  nitrifying bacteria, nitrification, seasonal variations, coastal environment, sediments 13525
  population dynamics, arid zones, soil, Zaotobacter 9475.
  Vibrio parahaemolyticus, marine environment, incidence, Peru 12171.
  Vibrio vulnificus, seasonal variations, association, temperature, salinity, coastal waters 13528.
Ecological evaluation,
  microcosms, conferences 8248.
  microorganisms nitrogen fixation, herbicides effects on 8203.
  Xanthomonas campestris pv.juglandis blight, Juglans regia 12105.
Ecology,
  abscesses, bacteria, pigs 5474.
  Caulobacter, reviews 3795.
  Clostridium botulinum, psychrotrophic bacteria, taxonomy 8292.
  diarrhea, diagnosis, bacteria, detection, feces, man 6200.
  Lactobacillus fermentum, Streptococcus, Escherichia coli, intestine, man 1922.
  microorganisms, water potential effects on, reviews 13506.
  Nitrobacter serotypes, soil 5524.
  Ochrobium, iron bacteria, lakes, British Isles 3737.
  Pseudomonas, psychrotrophic bacteria, milk 8288.
  Streptococcus mutans 9201.
  Vibrio infection 11929.
  Vibrio vulnificus, marine environment 6439.
Ecosystem analysis,
  aquatic ecosystems, microcosms, microorganisms, sediments, oxygen consumption 9489
  bacteria, marine environment 5547
  freshwater ecosystems, microcosms, bacteria, nutrient dynamics, physicochemical properties 9488.
  microcosms, conferences 8248.
  microorganisms, methodology 2532.
  nitrogen cycle, Africa, West 8249.
Ecosystem dynamics,
  algae, phototrophic bacteria, ecological distribution, lakes 8229.
  microorganisms, biological activity 2653.
Ecosystem models,
  gastrointestinal tract, microorganisms, continuous culture, rats 3561.
Ecosystems,
  bacteria, aggregation, detritus, association, energy flow, upwelling, coastal waters 6434.
  Mediterranean like, fires, role, decomposition microorganisms 13465.
Ectodermosis erosiva pluriofficialis,
  bacteria, man, reviews 13087.
Ectothiorhodospira,
  fatty acid composition, chromatography, spectroscopy 12716.
Ectothiorhodospira halochloris,
  bacteriochlorophyll b, charactorization, spectroscopy 139.
Ectothiorhodospira mobilis,
  nitrogen sources, nitrate, reduction, growth 12410.
  nutrient requirements, iron effects on growth 12434.
Ectothiorhodospira shaposhnikovii,
  biosynthesis, citrulline, carbamoyl phosphate 12560.
  nutrient requirements, iron effects on growth 12434.
  thiosulfate, oxidation, characterization 12427.
Ectothiorhodospira sp.nov,
  characterization 12266.
Eczema,
  relationship Rh factor, blood groups, man 6949.
Edema,
  lung, association, septic shock, children, Neisseria meningitidis 951.
  lung, pneumonia, association, tuberculosis, diagnosis, man, case reports 2002.
  lung, role, immune response, sepsis, Escherichia coli, dogs, Papio cynocephalus 1970.
Edema, (continued)
  nitroprusside , lung endotoxemia, Escherichia coli, pathology, sheep 10130.
EDTA,
  immunoglobulin M, Brucella abortus, Fc receptors binding, agglutination 7909.
  Salmonella typhimurium, mutants, lipids, outer membranes, resistance 2624.
EDTA-tromethamine,
  +oxytetracycline, antibacterial activity, synergism, Proteus mirabilis, Salmonella typhimurium, Aeromonas hydrophila 4190.
Education,
  institutions, occupational exposure, psittacosis, Chlamydia psittaci, treatment, clinical aspects, man 767.
  oral hygiene, man 707.
Edwardsiella tard,
  intestinal microflora, Cathartes aura 9316.
Edwardsiella tarda,
  gastroenteritis, association, Pseudemys, case reports, man 11770.
  infection, Anguilla anguilla juveniles, mortality 6333.
  infection, Anguilla, diagnosis, indirect fluorescent antibody test 7270.
  infection, disease resistance, role, ascorbic acid, Ictalurus punctatus 10218.
  infection, pathogenicity, Anguilla japonica 2373.
  temperature, pH, sodium chloride, effects on, growth, marine environment 12173.
EEG,
  meningitis, children 11846.
Effector cells,
  role, immunity (cell-mediated), Listeria monocytogenes infection 3210
Effectors,
  cells, characterization, role, tumors resistance, mice, association, salmonella enteritidis infection 9019
Effects on,
  deficiency, growth, Mycobacterium tuberculosis var. bovis, alcohol dehydrogenase, 2770.
Effects on phosphorus levels,
  effects on phosphorus levels 13495.
Efficacy,
  Suanatem, treatment, periodontitis, gingivitis, animal models 4591.
  treatment, acne, zinc, copper, magnesium 1945.
Efficiency,
  Bivalvia filtration, bacterioplankton, measurement 6446.
Efficiency of plating,
  Escherichia coli, phage λ, temperature effects 1665.
Effluents,
  aquaculture, microbial pollution, coliforms, indicator species 12186.
  dairy industry, incidence, bacteria, Belgium 1241.
  mines, Thiobacillus, sulfur oxidation 8215.
Effusion,
  association, otitis media, bacteria, etiology, children 11745.
  pericardium, Mycoplasma hominis, neonates, man, case reports 7099.
  vaccination, BCG, man 3251.
Egg laying,
  Mycoplasma gallisepticum vaccination effects on, chickens 6122.
Egg production,
  Lactobacillus acidophilus food additives effects on, chickens 2327.
  Mycoplasma gallisepticum, infection, transmission (transovarial), effects on, chickens 13394.
Egg shells,
  biodegradation, Alligator mississipiensis 5672.
  Crocodylia, biodegradation, bacteria 3845.
  gram-negative bacteria isolates, washing, survival, temperature, pH, detergents, effects on 5125
Egg yolk,
  agar, media (culture), bacteria, detection, proteinase, role, pathogenicity 2513.
Eggs,
  Aedes polynesiensis, development, wolbachia infection 3650.
  bacteria contamination, geese 2388.
  bacteria, kidney diseases, prophylaxis, erythromycin, Oncorhynchus kisutch, factors affecting 3588.
  chickens, bacteria contamination, enumeration, gnotobiotics (specific pathogen free) 6381.
  Daphnidae, infection, bacteria, disease resistance, relationship, food competition 10729.
  hygiene, effects on maternal behavior, Labidura riparia 2390.
  Lactobacillus acidophilus food additives effects on, chickens 2327.
  products, Salmonella, detection, membrane filter-disc immunoimmobilization 2518.
  salmonellosis, Salmonella typhimurium, carriers, outbreaks, man 2049.
  washing, chlorine, iodine, sanitizers, antibacterial activity, Salmonella typhimurium, Streptococcus faecalis, factors affecting 3079.
Egypt,
  soil microorganisms, nitrogenase activity, association, Azospirillum, Azotobacter 9483.
Egypt, Arab Rep.,
  soil microorganisms isolation 1162.
Ehrlich ascites tumor cells,
  angelicin derivatives effects on DNA 11456.
Ehrlichia canis,
  antigenic relationship, Rickettsia sennetsu 6046.
  ehrlichiosis, disease transmission, dogs, Cercopithecus pygerythrus 4583.
Ehrlichia phagocytophila,
  detection, blood, babesiosis, cattle 1115.
  experimental infection, clinical aspects, Bison 4553.
Ehrlichia phagocytophilia,
  ± Chlamydia psittaci, experimental infection, sheep, association lung lesions 10699.
Ehrlichiosis,
  disease transmission, dogs, Cercopithecus pygerythrus 4583.
Eichornia crassipes,
  attachment, Vibrio cholerae, aquatic environment, role, disease transmission, cholera 4648.
Eimeria falciformis,
  parasitism, association skin diseases, resistance, Salmonella abortus ovis, mice 6147.
Eimeria tenella,
  +Salmonella typhimurium, concurrent infection, pathogenesis, chickens 4579.
Eisenia fetida andrei,
  pathology, Bacillus megaterium, Arthrobacter, Serratia, Aeromonas, Aeromonas hydrophila, exotoxins, immunity 6066.

Elaeagnus,
actinomycetes nodules, incidence, Pakistan 1217.
Elaiophylin,
Streptomyces violaceoniger, biosynthesis, antifungal activity, antibacterial activity, structure 2985.
Elastase,
Pseudomonas aeruginosa, radioimmunoassay 11141.
Elbow,
skin microflora, man 11653.
tuberculosis, man, bone fusion surgery 6316.
Electric currents,
effects on bacteriorhodopsin structure, Halobacterium halobium 5691.
effects on Escherichia coli, viability 5974.
electrodes, antibacterial activity 1776.
Escherichia coli bactericidal activity 5143.
Electric dichroism,
structure lactose repressor lactose operator complex, Escherichia coli 8680.
Electric fields,
effects on, Alcaligenes eutrophus, electrophoresis, mobility 12331.
effects on polarization, membranes, role membrane proteins, Rhodospirillum rubrum, Rhodospirillum sphaeroides, Halobacterium halobium 12297.
Escherichia coli, electropotential, electron transport 12483.
Electrical conductance,
milk, diagnosis, mastitis, cattle 10657.
Electrical impedance,
detection, bacteria growth, culture 14.
Electrical impedence,
automated methods, bacteria detection, glucose fermentation 10885.
Electrical properties,
spore coats, Bacillus megaterium, effects on germination 8453.
Electrocardiogram,
association, toxic shock syndrome, staphylococcus aureus, effects on cardiac muscle 8010.
endotoxin shock, Escherichia coli endotoxins effects on, dogs 7891.
Electrochemistry,
flagella rotation, Bacillus subtilis, Escherichia coli 6517.
measurement, nitrous oxide reduction, electron transport, Paracoccus denitrificans 8477.
protons, gradients, Methanobacterium thermoautotrophicum 6489.
Electrodes,
electric currents, antibacterial activity 1776.
Electrolysis,
media (culture), factors affecting, growth conditions, Alcaligenes eutrophus 12452.
Electrolyte balance,
blood, Anaplasma marginale infection effects on, cattle 13391.
diarrhea, Escherichia coli, cholera, man 812.
epithelium intestine, rabbits, Vibrio cholerae toxins effects on 12978.
Macaca mulatta, sepsis, Salmonella typhimurium, potassium, sodium 2240.
Electromagnetic radiation,
+bacteria culture, methodology, models 8260.
Electron microscopy,
analysis, genomes DNA, Mycoplasma hyorhinis 8702.
ATP, ADP binding formyltetrahydrofolate synthetase, conformational analysis, Clostridium thermoaceticum 11151.
Bacillus polymyxa, growth, polymyxins, biosynthesis 12873.
Bacillus subtilis, chloropentaammineosmium(III) chloride, binding, cell walls 9580.
Bacillus subtilis, plasmid pE194, plasmid pUB110, antibiotic resistance, replication 2908.
Bacillus subtilis, temperature-sensitive mutant, spore outgrowth, cell walls, morphology 2593.
bacteria, crystals, production 12739.
bacteria, embedding, cells. cell culture 5573.
bacteria infection macrophages, immunopathogenesis, Whipple's disease, man 6061.
benzyl penicillin, effects on, Neisseria gonorrhoeae, ultrastructure 8770.
catabolite activator protein interaction DNA double-stranded, Escherichia coli 11056.
characterization, square bacterium, brines, isolation 77.
citrate (pro-3S)-lyase, comparison, Clostridium sphenoides, Rhodopseudomonas gelatinosa, Streptococcus lactis subsp.diacetylactis 9771.
clinical aspects, meningoencephalitis, association, Mycobacterium pneumoniae infection, children, case reports 13220.
detection, Alcaligenes faecalis, infection, symptoms, trachea, turkeys 1104.
detection, bacteria, antigens, xanthogranulomatous pyelonephritis, man 3400.
DNA proteins complex, phage Pf1, structure, Pseudomonas aeruginosa 2902.
Erwinia amylovora, polysaccharides, pathogenesis, xylem, Malus pumila 3662.
Escherichia coli, capsules, embedding effects on 53.
Escherichia coli, colonization, intestine walls, feeding regimes, colostrum, juveniles, cattle 4542.
Escherichia coli, ribosomal subunit 50S 12541
filtration, ecological distribution, sea water, identification, bacteria 13514.
glycocalyx, staphylococcus aureus, morphology 5621.
gram-negative bacteria, association, cotton, ultrastructure 5604.
gram-negative bacteria, endotoxins, cotton fibers 3131.
immunoferritin, use, detection, Legionella pneumophila antigens identification, antibodies, association, Legionnaire's disease, man 9002.
keratitis, herpes simplex virus, comparison, Treponema pallidum, pathogenesis, case reports, man 13276.
Kurthia zopfii, strains, morphology, growth 10954.
leukocytes (polymorphonuclear), intracellular killing, Streptococcus pneumoniae, role, serum factors 3224.
luciferase, structure, luminous bacteria 12472.
lung tuberculosis, Mycobacterium bovis, mice 4558.
methodology, bacteria, nucleoids 12221.
morphology, Desulfovibrio desulfuricans, mitomycin C, induction, lysogeny, phages 12818.
mycoplasma-like organisms infection, Vicia faba 13446.
Neisseria meningitidis, benzylpenicillin effects on morphology 5912.
nucleoids, Caulobacter crescentus, morphology 9579.
phage AP50, lysogeny, Bacillus anthracis 12820.
pili, Neisseria meningitidis, adherence 10947.
puromycin photoaffinity labelling, ribosomes, Escherichia coli 8497.
purple membranes ultrastructure, Halobacterium halobium 6550.
pyruvate oxidase quaternary structure, Escherichia coli 11146.
recA gene protein DNA complex, characterization, Escherichia coli 7498
Electron microscopy, (continued)
recBC gene protein enzymes mechanisms, Escherichia coli 7609.
Rhizobium trifolii, succinate nutrient enrichment effects on morphology, presentation, nodulation 8213.
Rickettsia rickettsii, virulence, association, Dermacentor andersoni, physiology, ultrastructure 9383.
Spiroplasma citri morphology, relationship, growth, replication, cultural characteristics effects on 74.
spores, Methylosinus trichsporium 5605.
staining, Rickettsiella, pathogenesis, Rivulogammarus pulex 12083.
Staphylococcus aureus, clinical isolates, antibody-coated bacteria, serum, man 3233.
symptoms, Pseudomonas tomato, infection, Lycopersicon esculentum 3660.
thylakoids, freeze-fracture, Rhodopseudomonas viridis 1413.
ultrastructure, Haemophilus somnus 91.
ultrastructure, small intestine, colibacillosis, Escherichia coli, neonates, cattle 6352.
Electron probe,
analysis, Bacillus coagulans spores, elements distribution 87.
Electron transfer,
cytochrome c, Chlorobium thiosulfatophilum 12473.
kinetics, cytochrome c551, cytochrome c oxidase, Pseudomonas aeruginosa 11023.
photosynthesis, Rhodopseudomonas viridis, reaction centers 12491.
protonmotive force, coupling mechanisms, ATP synthesis, chromatophores, bacteria, reviews 9670.
Electron transport,
Azotobacter vinelandii, nitrate reductase, characterization 5782.
Bacillus subtilis, peptides, serum, rabbits, antibacterial activity 1780.
comparison cytochromes, Bacillus alcalophilus, mutants 5685.
Escherichia coli, electropotential, electric fields 12483.
Escherichia coli, role, trimethylamine N-oxide reductase 2681.
hydration effects on, chromatophores, Rhodospirillum rubrum 12475.
mechanisms, Rhodopseudomonas sphaeroides, Rhodopseudomonas capsulata 3878.
mechanisms, role cytochromes, potassium cyanide inhibition, Methylophilus methylotrophus 7480.
nitrous oxide reduction, measurement, electrochemistry, Paracoccus denitrificans 8477.
phototrophic bacteria, membrane structure, differentiation, growth conditions, Rhodospirillales 8469.
proteolipids complex, Rhodopseudomonas sphaeroides 11242.
Pseudomonas aeruginosa, pH effects, reduction oxidation, azurin+cytochrome c_{551} 1417.
reviews, Paracoccus denitrificans 9669.
Rhodospirillum rubrum photosynthesis mutants, E.S.R. 4773.
succinate dehydrogenase, bacteria isolates, marine environments, sodium ions, effects on 2677.
Electron transport chain,
Acinetobacter, phosphorylation, role, cytochrome o, cytochrome d 2688.
bacteria, quinones specificity 9666.
Bacterionema matruchotii cell membranes 1419.
cytochrome c oxidase, Micrococcus luteus 12484.
energy transduction, anaerobic conditions, dimethyl sulfoxide, chromatophores, Rhodopseudomonas capsulata 5684.
Legionella pneumophila, activity 5682.
Pseudomonas carboxydohydrogena, carbon monoxide, oxidation 2687.
Rhizobium japonicum, bacteroids, hydrogen oxidation 6549.
Electrons,
acceptors, amicyanin, amine dehydrogenase, Pseudomonas 6649.
acceptors, growth, Hyphomicrobium vulgare strains 12419.
acceptors, reaction centers, Prosthecochloris aestuarii 143.
donors, ferredoxin, role, nitrogen fixation, Xanthobacter autotrophicus, in vitro 1421.
transfer, bacteriochlorophylls, quinones, fluorescence, reaction centers, Rhodopseudomonas sphaeroides 6551.
transfer, bacteriopheophytin, ubiquinone, temperature effects, Rhodopseudomonas sphaeroides 2683.
transfer, lipid bilayers, reaction centers, Rhodopseudomonas sphaeroides 6559.
Electrophoresis,
Actinobacillus, animal isolates, biochemical analysis 8325.
Agrobacterium tumefaciens Ti plasmid detection plant cells nuclease 4140.
Bacillus subtilis, RNA biosynthesis, Kinetics 8501.
Chlamydia trachomatis, serotypes, antigens, proteins, radioactive labelling, characterization 1478.
detection, relationship, Vibrio biotypes 1301.
diagnosis, osteomyelitis, Haemophilus influenzae, treatment, man 13350.
esterase, characterization, Serratia odorifera, Serratia fonticola, Serratia ficaria 12665.
Inc plasmid, incompatibility, salmonella 11332.
isoenzymes, penicillinase, Pseudomonas aeruginosa, characterization, antibiotic resistance, carbenicillin 1723.
Legionella, proteinase, association, protein composition 11118.
membrane proteins, Bdellovibrio, strains 12548.
mobility, electric fields, effects on, Alcaligenes eutrophus 12331.
mobility, electropotential, Bacillus megaterium, comparison, Candida utilis 12300.
plasmids characterization, antibiotic resistance, Proteus rettgeri 7688.
plasmids DNA, Streptococcus lactis, strains differentiation 5590.
proteins, enzymes, Rhizoctonia solani isolates, sheath blight, Oryza sativa 12557.
proteins, methylotrophic bacteria, phylogeny 12263.
proteins, Ureaplasma, strains, cell membranes, cytoplasm 12568.
serum levels, osteomyelitis, antibody response, Staphylococcus aureus, man 11571.
Shigella flexneri, serotypes, outer membranes, structure 10950.
TOL plasmid, deletion mutant, Pseudomonas putida 12838.
use, identification, Mycoplasma pneumoniae antigens 7919.
Vibrio cholerae, Escherichia coli, enterotoxins, subunits, hybrids 3128.
violamycin BI, Streptomyces violaceus, binding DNA 1694.
Yersinia enterocolitica, Yersinia pseudotuberculosis, esterase, characterization 4932.
Electropotential,
Escherichia coli, electric fields, electron transport 12483.
mobility, electrophoresis, Bacillus megaterium, comparison, Candida utilis 12300.
Elementary bodies,
ADP, ATP transport, Chlamydia psittaci 6540.
Elements,
distribution, Bacillus coagulans spores, electron probe analysis 87.

Eleusine coracana,
- growth, phosphorus uptake, innoculation effects on, Glomus fasciculatus, Bacillus circulans 9453

Elimination,
- Streptococcus pneumoniae, lung, atelectasis, animal models 1972.
- warfarin, rats, intestinal microflora role 5449

Ellipsoidion,
- interaction, bacteria, continuous culture 3770

Elongation,
- Klebsiella pneumoniae mutants, cell walls, relationship, DNA replication, mecillinam effects on 4172

Elongation factor,
- localization, ribosomes, Escherichia coli 165.

Elongation factor G,
- amino acid sequence, Escherichia coli 11116.
- association, ribosomal protein S12, localization, ribosomes, Escherichia coli 8503.
- Escherichia coli, interaction, guanine nucleotides, thermodynamics 4814.
- levels, effects on gene expression ribosomal proteins, elongation factors, Escherichia coli 6576
- pyridoxal 5'-phosphate chemical modification, Escherichia coli 12539.
- ribosomes, nucleotides binding, fluorescence polarization, tryptophan chemical modification, Escherichia coli 12530
- tRNA binding ribosomes effects on, Escherichia coli 11077
- role, dimethylmaleic anhydride induction Escherichia coli ribosomes proteins release 11090

Elongation factor Ts,
- elongation factor Tu GDP complex, dissociation, Escherichia coli 3917.

Elongation factor Tu,
- allosteric properties, GTP binding, kirromycin effects on, Escherichia coli 11088
- analysis GDP, GTP binding, Escherichia coli 8492.
- elongation factor Ts GDP complex, dissociation, Escherichia coli 3917.
- Escherichia coli, antibacterial activity, kirromycin, aurodox, derivatives 2718.
- Escherichia coli, association, aminoacyl-tRNA synthetase, mediation, Naja oxiana ribonuclease, enzymes sensitivity 4828.
- Escherichia coli, complex GTP, histidine residues 1472.
- Escherichia coli, histidine residues, photooxidation 3945.
- Escherichia coli, inhibition, eukaryotes, protein biosynthesis 8530.
- genes, DNA nucleotide sequence homology, Escherichia coli, chloroplasts, Chlamydomonas reinhardtii 11041.
- GTP binding, interaction kirromycin, pulvomycin, Lactobacillus brevis 11128.
- GTP hydrolysis, cations role, Escherichia coli 9686
- GTP valyl-tRNA Val complex, X-ray scattering, Escherichia coli 3899.
- hydrolysis GTP, tRNA Phe role, Escherichia coli 8496
- interaction, tRNA, characterization, Escherichia coli 12537.
- levels, effects on gene expression ribosomal proteins, elongation factors, Escherichia coli 6576
- manganese GDP complex, E.S.R., Escherichia coli 4812.
- mutants forms, amino acids substitution characterization, Escherichia coli 5728.
- mutants, kirromycin inhibition protein biosynthesis, Escherichia coli 3898.
- C.D., nucleotides binding sites, Escherichia coli 1455.
- phenylalanyl-tRNA complex, structure analysis, kethoxal chemical modification GTP, kinetics, Escherichia coli 11067.
- polymerization, characterization, Escherichia coli 5727.
- protein biosynthesis, Escherichia coli, inhibition, analogs, aurodox, kirromycin 3907
- proteins, Bacillus stearothermophilus, binding, magnesium ions, manganese ions 4829
- purification, characterization, Streptoverticillium mobaraense 12535.
- purification, protein biosynthesis, kirromycin effects on, Escherichia coli 3897.
- regulation, gene expression, tufA gene, tufB gene 8705.
- ribosomes complex, tRNA interaction, aminoglycoside antibiotics effects on GTP hydrolysis, Escherichia coli 3913.
- structure active sites, interaction GDP analogs complex, magnesium, N.M.R., E.S.R., Bacillus stearothermophilus 11084.

Elongation factors,
- aminoacyl-tRNA synthetase complex, dissociation, initiation factors, Escherichia coli, Staphylococcus utilis 2713.
- genes, elongation factor Tu, elongation factor G levels effects on gene expression, Escherichia coli 6576.

Embedding,
- bacteria, cells, cell culture, electron microscopy 5573.
- Escherichia coli, capsules, effects on, electron microscopy 53.

Emblica officinalis,
- growth factors, effects on Lactobacillus bulgaricus acid production 12693.

Embolism,
- aorta, association, gas gangrene, clostridium perfringens, cats, case reports 9363.
- gases, association, septicemia, Escherichia coli, diagnosis, clinical aspects, man, case reports 2226.
- lung, nocardiosis, association, kidney transplantation, man, case reports 11737.

Embryo fibroblasts,
- man, attachment, Mycoplasma hominis, Mycoplasma orale 8366.

Embryos,
- chickens, turkeys, Mycoplasma effects on 3612.
- man, lung fibroblasts, cell culture, Mycoplasma hominis growth characterization 8443.

Emetine,
- treatment, McCoy cells, cell culture, growth, Chlamydia trachomatis, Chlamydia psittaci 3763.

Emphysema,
- pyelonephritis, Escherichia coli, association, polycystic kidney, man, case reports 2089.
- pyelonephritis, Escherichia coli, pathology, diagnosis, treatment, man, case reports 2080.

Empyema,
- association, Mycobacterium tuberculosis, tuberculosis, lung, treatment, man 5308.
- association, pneumonia, Staphylococcus, immunocompromised hosts, man 5306.
- brain, Pasteurella multocida, clinical aspects, diagnosis, treatment, man, case reports 2273.
- central nervous system, man, Pasteurella multocida infection 8023.
- children, Bacteroides corrodens, case reports 746.
- complications, meningitis, treatment, infants, man, case reports 7057.
- Mycobacterium kansasii, case reports, man 5309.
- thorax, children, suprapen treatment 13315.

Empyema, (continued)
- treatment, cefotiam, children 1025.

Emulsan,
- biosynthesis, association, chloramphenicol, Acinetobacter calcoaceticus 12697.

Emulsification,
- isolation, Brucella abortus, abattoirs, samples 6.

Emulsifiers,
- antibacterial activity, anaerobic bacteria, use preservatives canned food 12940.
- biosynthesis, Acinetobacter calcoaceticus, characterization 8646.

Emulsions,
- oils, biodegradation, microorganisms, theories 11015.
- oils, physicochemical properties, biodegradation, Citrobacter freundii 11016.

Enamel,
- demineralization, Streptococcus mutans, association, dental caries, man 13103.

Enantiomers,
- moxalactam, comparison, antibacterial activity, stability, in vitro 386.

Encapsulation,
- Staphylococcus aureus, protein A, effects on binding, immunoglobulin G 609.

Encephalitis,
- association, Mycoplasma pneumoniae infection, man, case reports 4497.
- paratyphoid, Salmonella paratyphi, children, case reports 9170
- side effects, Bordetella pertussis vaccines adjuvanticity, children 6930

Encephalitozoon cuniculi,
- dogs, mixed infection, Leptospira interrogans 8089.

Encephalomyelitis,
- association, legionnaire's disease, case reports, man 741.

Encephalopathy,
- association, tuberculosis, man 7064

Encystment,
- Azotobacter vinelandii, lipids biosynthesis, secondary metabolism 11232.

Endo-N-acetylglucoseaminidase,
- Streptomyces levoris, biosynthesis, physicochemical properties 12657.

Endo-1,3(4)-β-D-glucanase,
- biosynthesis, Streptomyces narbonensis, mitomycin C, U.V. radiation, effects on spores 10939.

Endo-1,3-α-D-glucanase,
- assays 7540.
- inhibition, dextransucrase, role, glucan, biosynthesis, Streptococcus mutans 6645.
- purification, characterization, Pseudomonas 7606.

Endo-1,3-β-D-glucanase,
- Bacillus, wort biodegradation 12602.
- purification, characterization, Streptomyces cellulosae 12576

Endo-1,3-β-D-xylanase,
- activity comparison, Cellulomonas 8620.

Endo-14-β-D-xylanase,
- Bacillus circulans, purification, characterization 11169.

Endocarditis,
- Actinobacillus actinomycetemcomitans, association, periodontal diseases, children, case reports 5366.
- Actinobacillus actinomycetemcomitans, heart pathology, treatment, ampicillin, tobramycin, man, case reports 2183.
- Actinobacillus actinomycetemcomitans, man 2221.
- association, catheterization, Streptococcus group D, man, case reports 953.
- association drug addiction 13343.
- association, drug addiction, syringes, isolation, Pseudomonas aeruginosa, man 3501.
- association, glomerulonephritis, rabbits, role, antiglobulin 1901.
- association, heart valves abscesses, echocardiography, man 10452.
- bacteremia, relationship dental hygiene, dental manipulation, case surveys, man 6260.
- bacteria, animal models, man 13327.
- bacteria, antigen-antibody complexes, diagnosis, man 2324.
- bacteria, association, alcoholism, man 9237.
- bacteria, association, hemodialysis, man 11989.
- bacteria, association, mitral valve, failure, diagnosis, man, case reports 3480
- bacteria, association, subaortic stenosis, treatment, man, case reports 2307.
- bacteria, association, valves heart diseases, treatment, antibiotics, man 1043.
- bacteria, clinical aspects, man 13328
- bacteria, diagnosis, case reports, man 9298.
- bacteria, diagnosis, echocardiography, man 3497.
- bacteria, diagnosis, echocardiography, man 12000.
- bacteria, diagnosis, management, association, drug addiction, man 11939.
- bacteria, heart valves replacement association, man 10448.
- bacteria, man, association lesions, identification echocardiography 6315.
- bacteria, treatment, surgery, heart, man 4460.
- Bacteroides corrodens, acute lymphocytic leukemia, man, case reports 5415.
- Bacteroides corrodens, Staphylococcus aureus, man, case reports 994.
- Brucella melitensis, immune response (humoral), immune response (cell-mediated), antibiotics treatment, man, case reports 9238.
- Campylobacter fetus, man, case reports 7145.
- case reports, man 7151.
- children, characterization 10569.
- Chlamydia psittaci, man, case reports 9278.
- Chlamydia psittaci, treatment, tetracycline, man, case reports 2235.
- clinical aspects, treatment, geographical variations, narcotics addicts, man 2323.
- Corynebacterium diphtheriae, diagnosis, pathology, case reports, man 10472.
- Corynebacterium diphtheriae, man, case reports, reviews 5382.
- diagnosis, ECG, man 7126.
- diagnosis, ECG, man 13325.
- diagnosis, incidence, antibacterial agents resistance, treatment, man 981.
- diagnosis, management, ECG, man 2198.
- Escherichia coli, presentation, aneurysm, man, case reports 7093.
- gram-negative bacteria, postoperative infection, heart surgery, man 5420.
- gram-positive bacteria, surgery treatment, pathology, man 13348.
- Haemophilus aphrophilus, association, dental plaque, man, case reports 1958.
- Haemophilus aphrophilus, man, case reports 3453.
- man, association, heroin addiction 10609
- man, diagnosis, treatment, clinical aspects 10575.
- man, diagnosis, treatment, pathology, conferences 10846.
- man, infection, bacteria, association, aseptic meningitis 11887.
- man, infection, bacteria, clinical aspects 11886.
- man, Staphylococcus aureus infection, diagnosis, treatment 10586.
- man, Streptococcus group D infection, pathology, treatment 10584.
- man, Streptococcus infection, penicillin treatment 10572.

Endocarditis, (continued)
microaerophilic bacteria, anaerobic bacteria, diagnosis, clinical aspects, case reports, man 9251.
mitral valve, man 2298.
Moraxella nonliquefaciens, treatment, penicillin, prosthetics, man 7190.
Neisseria gonorrhoeae, association, hypoplasia, diagnosis, echocardiography, case reports, man 7098.
Neisseria mucosa, commensals, pathogenicity, association, skin, reviews, case reports, man 9297.
Neisseria mucosa, treatment, man 3498.
pathogenesis, bacteria adherence role, man 11992.
pathology, etiology, fungi, Staphylococcus, man, India 10466.
Peptostreptococcus, association, heart catheterization, treatment, clinical aspects, man, case reports 2266.
presentation, backache, man, case reports 3525.
prophylaxis, man, reviews 11980.
prophylaxis, Streptococcus pneumoniae vaccination, animal models, in vivo, in vitro 618.
Pseudomonas aeruginosa, cefoperazone treatment, man 10582.
rabbits, experimental infection, Staphylococcus aureus, clindamycin treatment 9335.
Serratia marcescens, burn infection, treatment, cefotaxime, children 685.
Staphylococcus, antibody response, immunoglobulin M serum levels, man 3207.
Staphylococcus, association, bone infarction, man, case reports 10467.
Staphylococcus aureus, association, dental manipulation, man, reviews 3451.
Staphylococcus aureus, cotrimoxazole treatment, infants, man 10554.
Staphylococcus aureus, diagnosis, treatment, heroin addicts, man, case reports 2205.
Staphylococcus aureus, experimental infection, treatment, ampicillin+pencillinase inhibitors, rabbits 4577.
Staphylococcus aureus, treatment, nafcillin, rifamycin, children, case reports 11946.
Staphylococcus cutis, diagnosis, echocardiography, case reports, man 12021.
Staphylococcus epidermidis, antibiotic resistance, nafcillin, clinical aspects, man, case reports 7214.
Staphylococcus, roentgenography, use, diagnosis, man 2208.
Streptococcus bovis, association, adenocarcinoma, surgery, man, case reports 7173.
Streptococcus bovis, association, neoplasia, colon, prosthetics, mitral valve, man 3521.
Streptococcus bovis, man, case reports 1040.
Streptococcus bovis, polyposis coli presentation, man, case reports 3528.
Streptococcus bovis, presentation, osteomyelitis, new records, case reports, man 7199.
Streptococcus constellatus, association, antibiotic resistance, penicillin, children, man, case reports 5950.
Streptococcus faecalis, experimental infection, antibiotic synergism, penicillins, streptomycins, rabbits 8098.
Streptococcus faecalis, experimental infection, penicillins, Streptomycin, treatment, rabbits 8097.
Streptococcus faecalis, Staphylococcus, etiology, man, hospitals, USA, Michigan 4496.
Streptococcus group A, antibiotics treatment, association, blindness, panophthalmitis, man, case reports 13284.
Streptococcus intermedius, experimental infection, immune response (cell-mediated), mustine, immunosuppression, rabbits 6077.
Streptococcus, lesions development, pigs 8103.
Streptococcus mitior, vancomycin treatment, pregnancy, man 7169.
Streptococcus mitis, association, stenosis, diagnosis, echocardiography, aortic valve, man, case reports 3447.
Streptococcus, prophylaxis, man 4491.
Streptococcus sanguis, altitude induction, animal models 7219.
Streptococcus sanguis, treatment, benzylpenicillin, fosfomycin, cefoxitin, rabbits 330.
Streptococcus, Staphylococcus aureus, Haemophilus parainfluenzae, ECG, man 5368.
Streptococcus, Staphylococcus, Escherichia coli, treatment, surgery, aortic valve, man 3478.
Streptococcus, Staphylococcus, treatment, surgery, aortic valve, man 3476.
Streptococcus, treatment, man 4495.
Streptococcus viridans, antibiotics prophylaxis, dental manipulation, man 11888.
Streptococcus viridans, diagnosis, clinical aspects, senile, geriatrics, man 2301.
Streptococcus viridans, echocardiography diagnosis, surgery treatment, man 1001.
streptococcus viridans, prophylaxis, antbiotics, children 6304.
Streptococcus viridans, prophylaxis, treatment, incidence, man 7218.
Streptococcus viridans, relationship, dental diseases, heart diseases, man, case reports 2257.
surgery indications, etiology, Streptococcus, gram-negative bacteria, man 2182.
treatment, cefotaxime, man 938.
treatment, fosfomycin, Escherichia coli, Serratia, Staphylococcus, man 3551.

Endodeoxyribonuclease,
activity, relationship DNA modification, bacteria 4111.
purification, substrate specificity, physicochemical properties, Escherichia coli 6615.

Endodeoxyribonuclease AatII,
purification, characterization, Acetobacter aceti 12591.

Endodeoxyribonuclease (apurinic or apyrimidinic),
Micrococcus luteus, role, DNA repair, cyclobutane pyrimidine dimers, models 9730.

Endodeoxyribonuclease BamH1,
nucleotide sequence specificity, Bacillus amyloliquefaciens 5739.
nucleotide sequence specificity, Bacillus amyloliquefaciens 5740.

Endodeoxyribonuclease BanII,
purification, characterization, Bacillus aneurinolyticus 12591.

Endodeoxyribonuclease BcnI,
Bacillus centrosporus, characterization 8593.

Endodeoxyribonuclease BglII,
purification, characterization, Bacillus globigii 3968.

Endodeoxyribonuclease CfrI,
purification, substrate specificity, Citrobacter freundii 12510.

Endodeoxyribonuclease Eco RI,
recognition, nucleotide sequence, DNA, Escherichia coli 2704.

Endodeoxyribonuclease EcoK,
interaction heteroduplex DNA, Escherichia coli 4802.

Endodeoxyribonuclease EcoRI,
Escherichia coli, cleavage kinetics 1521.
subunits, binding, cleavage, palindromes double-stranded DNA, kinetics,

Endodeoxyribonuclease EcoRI, (continued)
Escherichia coli 11087.

Endodeoxyribonuclease HincI,
purification, substrate specificity, Haemophilus influenzae 6665.

Endodeoxyribonuclease salI,
purification, characterization, Streptomyces albus 11139.

Endodeoxyribonuclease SciNI,
spiroplasma citri, purification, cleavage, structure 9776.

Endodeoxyribonuclease SduI,
purification, substrate specificity, Streptococcus durans 6619.

Endodeoxyribonuclease V,
mechanisms, Escherichia coli 9774.
purification, characterization, cloning recB gene, recC gene, Escherichia coli 5840.

Endodoxyribonuclease PstI,
plasmid pSM1 cleavage, substrate specificity, kinetics 4145.

Endoglycosidase H,
gene expression, Escherichia coli, Streptomyces plicatus 8691.

Endometritis,
antibiotics treatment, association, vagina colonization, antibiotic resistance aerobic bacteria, man 11809.
association, Chlamydia trachomatis infection, immune response, pathology, man, case reports 2071.
Chlamydia trachomatis, cervix, etiology, man, case reports 2092.
diagnosis methodology, man 9160.
diagnosis, treatment, horses 10712.
postoperative infection, tinidazole prophylaxis, abortion, man 11801.
treatment, amikacin, horses 10703.

Endometrium,
bacteria, culture, methodology, horses 1272.
cyst abscesses, Salmonella brandenburg, man, case reports 11831.
tuberculosis, clinical aspects, pathology, man 2088.

Endonuclease,
Micrococcus luteus, Escherichia coli dimers sensitivity 4801.

Endonuclease S1,
substrate specificity, Aspergillus oryzae 3972.

Endonuclease S1 (Aspergillus),
rRNA 5S conformational analysis, digestion, Escherichia coli 11066.

Endopeptidase,
Staphylococcus staphylolyticus, production coordination 12683.

Endophthalmitis,
abscesses, pseudomonas aeruginosa, clinical aspects, case reports, man 11963.
association, Neisseria meningitidis sepsis, pathogenesis, immunity, man, case reports 11586.
association, Streptococcus group B septicemia, treatment, neonates, man 10625.
metastasis, Salmonella typhimurium, man, case reports 9283.
Moraxella nonliquefaciens, immunocompromised hosts, case reports, man 7167.
Nocardia asteroides, association, glaucoma, man, case reports 5429.
postoperative infection, Staphylococcus epidermidis, Staphylococcus aureus, Proteus mirabilis, treatment, man 6285.
Staphylococcus aureus, cefazolin toxicity testing, rabbits, animal models 11873.
Staphylococcus aureus, experimental infection, moxalactam, pharmacokinetics, rabbits 2397.
Staphylococcus aureus, treatment, antibiotics, man 5431.
staphylococcus epidermidis, complications, Keratotomy, case reports, man 13334.

Endopthalmitis,
bacteria, association, dental manipulation, man, case reports 978.

Endoscopy,
colon, Escherichia coli, intestinal microflora, gas production, man, mannitol, effects on 3263.
equipment, disinfection, antibacterial activity, Dettox ABC 10028.
gastrointestinal tract, relationship, bacteremia, man 7172.
urinary tract, association, infection, prophylaxis, cephazolin, comparison, gentamicin, man 10386.

Endothall,
effects on fruit rot, Rhizoctonia solani, Cucumis sativa 1151.

Endothelium,
cattle, cell culture, Haemophilus somnus effects on 9659.
heart, animals, adherence, gram-negative bacteria, gram-positive bacteria, tissue culture 2621.
leukocytes (granulocytic) adherence, role, chemotaxis, infection, bacteria, viruses, effects on, children 563.

Endotoxemia,
Clostridium perfringens, enterotoxins, purification, characterization, man 3124.
endotoxins, effects on, intestinal absorption, horses 1824.
Escherichia coli endotoxins, association, calcium overload, heart, rats 1814.
Escherichia coli, endotoxins, hemodynamics, sheep 3136.
gram-negative bacteria, association, hepatitis, Limulus lysate test, man 5163.
gram-negative bacteria, diagnosis, neonates, man, limulus lysate test, evaluation 1816.
horses, treatment, pathology 10126.
Limulus lysate test 12969.
lung, Escherichia coli, nitroprusside effects on edema, pathology, sheep 10130.
lung, Escherichia coli, prostaglandins, treatment, sheep 10114.
Salmonella, lipid peroxides formation, plasma membranes damage, liver, mice 6870.

Endotoxin,
Escherichia coli, effects on rats cardiodepressant factor 1829.

δ-Endotoxin,
Bacillus thuringiensis, effects on Choristoneura fumiferana 1819.
Bacillus thuringiensis, effects on Galleria mellonella 1834.
Bacillus thuringiensis, histopathology, gut epithelium, Pieris rapae, Lymantria dispar, Ephestia cautella 10096.
Bacillus thuringiensis subsp.israelensis, effects on, Aedes aegypti 4239.
Bacillus thuringiensis, toxicity, hemolymph histopathology, Pieris rapae, Lymantria dispar, Ephestia cautella 10095.

Endotoxin shock,
bacteria, lipopolysaccharides, membranes, immunostimulation, macrophages, role, coagulation, rabbits 4272.
cats, bacteria endotoxins antibodies, immunization (passive) 664.
Escherichia coli, effects on myocardium proteins contractility, animal models 484.
Escherichia coli endotoxins effects on electrocardiogram, dogs 7891.
Escherichia coli endotoxins, treatment, naloxone, dogs 1832.
Escherichia coli, hemodynamics, horses, treatment, flunixin meglumine 3139.
Escherichia coli, insulin resistance, skeletal muscle, dogs 5174.
Escherichia coli, role, opiates receptors, animal models, dogs 6873.

Endotoxin shock, (continued)
- Escherichia coli, skeletal muscle, insulin resistance, dogs 5179
- Escherichia coli, treatment, gentamicin+methylprednisolone, baboons 8894.
- lesions formation, dogs, hydrocortisone effects on 10091
- Salmonella enteritidis endotoxins, role, macrophages, biosynthesis, thromboxane A2, prostacyclin, rats 5162.
- treatment, aspirin, ± dipyridamole, baboons 12977

Endotoxins,
- absorption, intestine, role, salts, man 3150
- activity, tumors regression, association, Salmonella typhimurium glycolipids structure 11239
- assays, serum, man, erythrocytes, Limulus polyphemus 3119.
- association gram-negative bacteria induction biliary tract diseases, rats 12976
- Bacillus thuringiensis, membranes, pathogenesis, Insecta 8885
- Bacillus thuringiensis, mutagenesis, Insecta 8884
- bacteria, antibodies, immunization (passive), endotoxin shock, cats 664
- bacteria, assays, Limulus lysate test, automated methods 1793.
- bacteria, effects on, blood coagulation, chronic myeloid leukemia, man 3143
- bacteria, effects on macrophages cell-mediated bone resorption, man 1839.
- bacteria, hydrogen peroxide, use, prophylaxis, periodontal diseases, man 4238.
- bacteria, localization reticuloendothelial system, hepatoma, tissue culture 11570
- bacteria, macrophages response, mice 4279
- bacteria, removal, ultrafiltration, hemodialysis, experimental infection, dogs 1833
- bacteria, role, immunoglobulins aggregates effects on platelets secretions 491.
- Bacteroides fragilis, antigenic characteristics 5193.
- Clostridium difficile, colitis, association, antibiotic therapy, moxalactam, man, case reports 3145
- Corynebacterium parvum, rats liver diseases, association liver macrophages release proteolytic enzymes 8038
- derivatives, Escherichia coli, effects on man 3144
- effects on blood coagulation, rats 7894
- effects on circulation, lymph dynamics, rats 3152
- effects on, intestine, renal insufficiency, association, jaundice, effects on, man 3149
- effects on leukocytes (granulocytic) adherence epithelium 10090.
- effects on, macrophages, antitumor activity, tumor cells, mice 1817
- effects on mesentery permeability, rats 477
- endotoxemia, effects on, intestinal absorption, horses 1824.
- Enterobacteriaceae infection, man, cirrhosis, antibodies levels 10233
- Escherichia coli, absorption, intestine, juveniles, pigs, characterization 6020.
- Escherichia coli, binding, hepatocytes, rats 5999
- Escherichia coli, effects on arachidonic acid release, thromboxane B_2 production, platelets, man 3147
- Escherichia coli, effects on blood flow, brain, dogs 12984.
- Escherichia coli, effects on, carbohydrate metabolism, chickens 4236.
- Escherichia coli, effects on cardiovascular system, 5-hydroxytryptamine levels, colibacillosis, pigs 11494
- Escherichia coli, effects on electrocardiogram dogs 7891
- Escherichia coli, effects on fatty-acid synthetase lipoproteins 8893.
- Escherichia coli, effects on fibroblasts lysosomal enzymes, activity, mucolipidosis, man 1823
- Escherichia coli, effects on glucose metabolism, rats 8880
- Escherichia coli, effects on, glycolysis, heart, dogs 3133
- Escherichia coli, effects on heart, juveniles, pigs 483
- Escherichia coli, effects on leukocytes (polymorphonuclear), blood, leukocyte migration, milk, animal models 8897
- Escherichia coli, effects on lipase enzymes, mice 494
- Escherichia coli, effects on mitochondria metabolism, neuroblastoma cells, mice 3135
- Escherichia coli, effects on p-nitrophenylphosphatase, heart, dogs 495.
- Escherichia coli, effects on sucrose leakage, phosphatidylcholine liposomes 5170.
- Escherichia coli, endotoxemia, association, calcium overload, heart, rats 1814
- Escherichia coli, endotoxemia, hemodynamics, sheep 3136.
- Escherichia coli, endotoxin shock, treatment, naloxone, dogs 1832.
- Escherichia coli, fever effects on serum levels, thyroxine, 3,3',5'-triiodothyronine, rabbits 11511
- Escherichia coli, hemorrhage, effects on vascular system permeability, dogs 11500
- Escherichia coli, hypoglycemia, blood lactate, rats 3137
- Escherichia coli, hypotension, complement activation, prostaglandin F1α levels, rabbits 493
- Escherichia coli, induction, leukocytes (polymorphonuclear), inflammation, rabbits 6867
- Escherichia coli, induction leukocytosis, guinea-pigs mammary gland 5177
- Escherichia coli, induction, lung, injuries, treatment, methylprednisolone, sheep 1837
- Escherichia coli, inflammation, treatment immune serum, rabbits 6865
- Escherichia coli, inhibition lipoprotein lipase, muscles, myocardium, rats 13031
- Escherichia coli, inoculation, dose-response effects, horses 1836.
- Escherichia coli, inoculation, effects on, body temperature, chemical composition, blood, chickens, juveniles 4242
- Escherichia coli, Limulus polyphemus amebocytes, Limulus lysate test, effects on viscosity 6856
- Escherichia coli, lung endotoxemia, nitroprusside effects on edema, pathology, sheep 10130
- Escherichia coli, outer membranes, mitogens, proteins, identification, characterization 3168.
- Escherichia coli, pathogenicity, immunity (humoral), small intestine ablation, rats 12981
- Escherichia coli, prostaglandins, treatment, lung endotoxemia, sheep 10114.
- Escherichia coli, rumen absorption, role mastitis pathogenesis, cattle 11492.
- Escherichia coli, Salmonella, effects on collagen aggregation 1820.
- Escherichia coli, shock effects on myocardium, dogs 8881.
- gram-negative bacilli, induction, hypotension, neutralization, serum, rabbits 10263
- gram-negative bacteria, composting, sewage sludge, occupational exposure, man 3688
- gram-negative bacteria, cotton fibers, electron microscopy 3131.
- gram-negative bacteria, induction suppressor cells, immunological tolerance, mice 11519
- gram-negative bacteria, infection, horses, endotoxemia, treatment 10126.
- gram-negative bacteria, inhalation, pathology, reviews 490.
- gram-negative bacteria, plants phylloplane, byssinosis, occupational exposure 12980

Endotoxins, (continued)
- interaction lead acetate, lipid peroxidation, mice 11510.
- Legionella, pathogenicity 7889.
- lethality, potentiation, microwave radiation, mice 11509.
- Limulus lysate test, correlation, pyrogens tests, Escherichia coli 460.
- Limulus lysate test, pyrogenicity 5993.
- limulus-lysate test, clinical aspects, characterization 7879.
- monkeys, endoxemia, effects on blood coagulation, association, spleen lesions 8891.
- Mycoplasma mycoides subsp.mycoides extracts, virulence, goats 10123.
- Neisseria meningitidis, benzylpenicillin effects on morphology, electron microscopy 5912.
- Neisseria meningitidis, Limulus lysate test, assays 12965
- Neisseria meningitidis, release, passage effects on 1809.
- Pseudomonas aeruginosa, chemical properties, biological properties 8869.
- Pseudomonas aeruginosa, vaccines, effects on leukocytes (neutrophilic) phagocytosis , bactericidal activity, rabbits 9035.
- Pseudomonas aeruginosa, virulence, proteinase 11244
- release, relationship, serum levels, platelets, leukocytes, association, Borrelia duttoni experimental infection, mice 8978.
- Salmonella abortus, renal failure, rats 8890
- Salmonella, acute toxicity, α-tocopherol effects on, mice 6009.
- Salmonella enteritidis, stimulation, macrophages, biosynthesis, thromboxane A2, prostacyclin, role, endotoxin shock, rats 5162.
- Salmonella, induction liver membranes pathology 10108.
- Salmonella minnesota, effects on tumors regression, immune response, antitumor activity, guinea-pigs 10109
- Salmonella minnesota, effects on tumors regression, immune response, antitumor activity, guinea-pigs 10109.
- Salmonella minnesota, inhibition 5-aminolaevulinate synthase, mechanisms, liver, mice 6011.
- Salmonella, role pathogenesis infection, mice 6862.
- Salmonella typhi, effects on, lipid composition, myocardium, mice 1830.
- Salmonella typhimurium, effects on blood vessels, eye, rabbits 6871.
- Salmonella typhosa, tissues damage, rats 7898.
- sensitization, methyl cellosolve effects on, mice 5166.
- Serratia marcescens, effects on platelets, blood, dogs 10081.
- Shigella sonnei, stimulation leukocytes (mononuclear), platelets, coagulation, man 12986
- streptococcus group B, effects on lung circulatory system, sheep 492.
- Streptococcus pyogenes, effects on rabbits rats, association, pregnancy 10106.
- susceptibility, geographical variations, Bacillus thuringiensis, Anopheles stephensi, Aedes aegypti, Aedes albopictus, India 12987.
- toxicity, Bacillus thuringiensis, Insecta 8872.
- Yersinia enterocolitica, levels, cell division, temperature effects on 11484.

Energetics,
- nitrogen fixation, books, conferences 9480
- role halorhodopsin, membrane potential, Halobacterium halobium 7487.

Energy,
- effects on membrane proteins, lipids conformation, E.S.R., fluorescence polarization, Mycoplasma capricolum, Mycoplasma mycoides 8379.
- production, Streptococcus lactis, glucose analogs effects on 12462.
- respiration, prokaryotes 2682.
- retention, gnotobiotics, chickens, Lactobacillus acidophilus, Lactobacillus salivarius, Lactobacillus fermentum, effects on 2398.

Energy charge,
- Coxiella burnetii, ATP biosynthesis, pH, carbon sources, effects on 2670.

Energy flow,
- bacterioplankton, detritus, reefs, marine environment, South Africa 2485.
- macrophytes leachates, bacteria aggregation, food chains, protozoa 10814.
- nutrient dynamics, soil, trophic relationships, microorganisms 9437.
- upwelling, ecosystems, bacteria, association, aggregation, coastal waters 6434.

Energy metabolism,
- contagious equine metritis bacteria, enzymes detection, characterization 5673.

Energy transduction,
- adenosinetriphosphatase, membrane potential, role, Chlorobium limicola 12321.
- electron transport chain, anaerobic conditions, dimethyl sulfoxide, chromatophores, Rhodopseudomonas capsulata 5684.

Enoate reductase,
- mechanisms, kinetics, Clostridium 11199.

Enol-4-hydroxyphenylpyruvate,
- 4-hydroxyphenylpyruvate dioxygenase inhibition, kinetics, Pseudomonas 9742.

Enolase,
- alcohol dehydrogenase, role, allyl alcohol, hydrogenation, Clostridium 4941.

Ensifer adhaerens gen.nov. sp.nov.,
- characterization, antibacterial activity, soil microorganisms 9537.

Entamoeba histolytica,
- anorectal infection, homosexuality, man 5345.
- infection, hamsters, pure culture, pathogenicity, bacteria effects on virulence 10151

Enteric bacteria,
- gram-negative bacilli, antibiotic sensitivity testing, methodology 1700.
- incidence, abundance, killed, animals, sampling, methodology 3557.

Enteritis,
- association, arthritis, Campylobacter fetus subsp.jejuni, man 819.
- association, diarrhea, Escherichia coli, pathogenesis, man 11787.
- association, Reiter's disease, Campylobacter fetus subsp.jejuni, pathology, treatment, man, case reports 824.
- bacteria, carriers rate, man 10376.
- bacteria, factors affecting, military personnel 10371.
- bacteria, mixed infection, Coccidia, diarrhea, juveniles, pigs 2343.
- bacteria, relationship, morbidity, mortality, military personnel, reviews 10373.
- campylobacter, clinical aspects, epidemiology, treatment, infants, man 3360.
- Campylobacter, clinical aspects, etiology, epidemiology, man 7993
- Campylobacter, clinical aspects, treatment, epidemiology, man 9142.
- Campylobacter, differential diagnosis, Salmonella, rotavirus, children 5311.
- Campylobacter, dogs, cats, transmission, man 1114.
- Campylobacter fecalis, experimental infection, pathology, cattle 2369.
- Campylobacter fetus subsp.coli, isolation, intestine, pigs, characterization 6375.
- Campylobacter fetus subsp jejuni, animal models 821.
- Campylobacter fetus subsp.jejuni, cats, case reports 7286.
- Campylobacter fetus subsp.jejuni, children, case surveys 7007.
- Campylobacter fetus subsp.jejuni, clinical aspects, rectum pathology, man 9141.
- Campylobacter fetus subsp.jejuni, clinical isolates incidence, Norway, children, man 11789

Enteritis, (continued)
  Campylobacter fetus subsp.jejuni, diagnosis, microscopy, man 3353
  Campylobacter fetus subsp.jejuni, epidemiology, man 10358.
  Campylobacter fetus subsp.jejuni, epidemiology, pathogenesis, diagnosis, treatment, man, reviews 7022.
  Campylobacter fetus subsp.jejuni, epidemiology, pathology, diagnosis, man 2024
  Campylobacter fetus subsp.jejuni, presentation, abdomen pain, man 7024.
  Campylobacter fetus subsp.jejuni, USA, Colorado, clinical isolates 6206.
  Campylobacter jejuni, clinical trials, erythromycin, man 9134.
  Campylobacter jejuni, food-borne diseases, outbreaks, man, British Isles 7983.
  Campylobacter jejuni, infants, man, case reports 10370.
  Campylobacter jejuni, outbreaks, relationship, milk contamination, children, institutions 4417
  Enterobacteriaceae, vaccination, infection prophylaxis, man 11647
  Escherichia coli, etiology, prophylaxis, cattle, neonates, reviews 4568.
  etiology, Campylobacter, Salmonella, rotavirus, children, Australia 3355.
  gram-positive bacteria, association, sarcosporidiosis, histopathology, food-borne diseases, man, case reports 5318.
  Klebsiella, epidemiology, antibiotic resistance, neonates, man, Italy 813.
  man, gastrointestinal tract infection, Bacillus 9136.
  Salmonella, children, epidemiology, treatment, Austria 7020.
  Salmonella, occurrence Rattus norvegicus, association man. surveys, Kuwait 6211.
  Salmonella, treatment, antibiotic 6059-S, man 2020
  Salmonella typhimurium, experimental infection, pathology, monkeys 9370.
  treatment, neomycin, bacitracin, cattle, juveniles 5480.
  Yersinia enterocolitica isolation, media (enrichment), incidence, serotypes, man 1251.
  Yersinia enterocolitica, pathology, man 11782.
  Yersinia, man 13167
Enterobacter,
  abscesses, skin, etiology, children 680.
  alafosfalin, antibacterial activity 5070.
  antibacterial activity, antibiotic HR 756 1729.
  antibacterial activity, cefotaxime 1724.
  antibacterial activity, cefotaxime, cephalosporins 5914.
  antibacterial activity, ceftizoxime, cefazolin 1708.
  antibacterial activity, cephalosporins, penicillinase stability 11410.
  antibiotics activity, 7-hydroxytropolon 6773.
  clinical isolates, antibacterial activity, ceftazidime 5066.
  clinical isolates, antibacterial activity, temocillin 11408.
  clinical isolates, antibiotic resistance, ceftazidime, antibacterial activity comparison cephalosporins 5075.
  clinical isolates, capetimycin, antibacterial activity 8768.
  clinical isolates, cefoperazone, antibiotic sensitivity testing 11375.
  clinical isolates, ceftazidime, antibacterial activity 5077.
  contamination, swelling agents, dry heat disinfection 426.
  cyanide drug resistance, β-cyano-L-alanine biosynthesis 3939.
  etiology, pathogenesis, pneumonia, man 4381.
  food isolates, antibiotic resistance 1746.
  infection, cefotaxime treatment, intensive care units, man 6281.
  infection, cefotaxime treatment, man 6265.
  infection, cefotaxime treatment, man 6272.
  infection, man 938.
  infection, treatment, antibiotic 6059-S, children 2320.
  isolation, β-D-mannosidase 1513.
  lung infection, complications, trachea ventilation, man 771.
  meningitis, cefotaxime treatment, children 6238.
  nosocomial infection, hand, personnel, hospitals, man 3515.
  pathogenicity effects on, Beta vulgaris crop production 13451.
  pathology, epithelium, urinary bladder, experimental infection, rats 2104.
  phage typing, antibiotic sensitivity testing, incidence, nosocomial infection, clinical isolates 9574.
  plasmids mediation, antibiotic resistance, aminoglycoside antibiotics 401.
  pyelonephritis, cefoperazone treatment, man 10347.
  respiratory tract infection, cefotaxime treatment, man 6176.
  rhizosphere microorganisms, pathogenicity, Beta vulgaris crops, identification, characterization 6431.
  sewage isolates, antibiotic resistance 11440.
  symbiosis, spores, Glomus macrocarpus var.macrocarpus 4618.
  urinary tract infection, association, arthritis, diagnosis, treatment, infants, man 7183.
  urinary tract infection, cefazolin+dicloxacillin treatment, man 10393.
  urinary tract infection, man, antibacterial activity, cinoxacin, DNA biosynthesis inhibition 8829.
  urinary tract infection, netilmicin, antibacterial activity, man 7043.
  urinary tract infection, treatment, flumequine, nitrofurantoin, man 2056.
  urinary tract infection, treatment, trimethoprim+sulfamethoxypyrazine, man 2077.
  wound infection, fractures, man 3444.
Enterobacter aerogenes,
  antibiotic resistance, β-lactam antibiotics, penicillinase, role 7835.
  antibiotic resistance, cephalosporins inhibition penicillinase 8814.
  chorismate mutase, inhibition 7556.
  cloning, OmpA gene proteins, Escherichia coli, Shigella dysenteriae, Serratia marcescens 6608
  infection, treatment, polymyxin B+gramicidin, antibiotic synergism, animals 4571.
  methionine biosynthesis, precursors, 5-methylthioribose 11121.
  mixed culture, Pseudomonas denitrificans, nitrate reduction, antagonism 8427.
  outer membranes proteins, ompA gene, Escherichia coli gene expression 12805.
Enterobacter agglomerans,
  intestinal microflora, distribution, abundance, Schistocerca gregaria 3652.
  nitrogen-fixing bacteria, isolation, Dendroctonus terebrans, Dendroctonus frontalis, Ips avolsus, symbiosis 1134.
Enterobacter cloacae,
  antibacterial activity, cefotiam 6800
  antibiotic resistance, β-lactam antibiotics 12919.
  antibiotic resistance, β-lactam antibiotics, penicillinase, role 7835.
  antibiotic resistance, cefotaxime 5915.
  antibiotic resistance, cefotaxime, ceftriaxone, role, cephalosporinases, binding 8800.
  antibiotic resistance, cephalosporins inhibition penicillinase 8814.
  antibiotic resistance, population studies 12926.
  antibiotic T-1551, antibacterial activity 9964.
  cefamandole antibiotic resistance, association penicillinase 12917.
  ceftriaxone antibacterial activity 7789
  clinical isolates, antibacterial activity, ceftazidime 5079
  cloacins receptors proteins, role iron uptake 8368.
Enterobacter cloacae, (continued)
  conjunctivitis, drug sensitivity testing, man 7149.
  detection, osmotic stability effects on Bactec test 5570.
  experimental infection, antibiotics treatment, effects on, immune response, mice 13370.
  R factors, cephalosporins antibiotic resistance, membrane permeability 6750.
  infection, gynecology, netilmicin, gentamicin, treatment comparison, man 11793.
  infection, man, antibacterial activity, cefotaxime 9208.
  infection, man, antibacterial activity, ceftriaxone 9216.
  infection, treatment, antibiotic 6059-S, children 2318.
  infection, treatment, ceftazidime, man 5440.
  iron effects on receptors, aerobactin, enterochelin, biosynthesis 6494
  membranes proteins, β-lactam antibiotics penetration 10964.
  nitrate reductase, biosynthesis, isolation, characterization 4856.
  nitrogen fixation, enumeration, rhizosphere, Graminae 3685.
  penicillinase activity, inhibitors, characterization 7577.
  penicillinase, antibiotic tolerance, β-lactam antibiotics, screening 12933.
  penicillinase inactivation ceftazidime, kinetics 5120.
  penicillinase, inhibition, clavulanic acid 11166.
  purine-nucleoside phosphorylase, characterization 7578.
  septicemia, netilmitin, antibacterial activity, man 7113.
  transposon Tn2101, penicillinase genes, purification, characterization 6743.
  urinary tract infection, cefotaxime treatment, man 6213.
  xanthine oxidase, purification, characterization 4011.
Enterobacter cloocae,
  Clinical isolates, trimethoprim drug resistance 10061.
Enterobacter sakazakii,
  meningoencephalitis, etiology, infants, man 2279.
Enterobacteria,
  detection, India ink immunoreaction, man, Nigeria 3159.
Enterobacteriacea,
  metabolites, characterization, gas-liquid chromatography 8299.
Enterobacteriaceae,
  acid production, media (culture) 9517.
  adherence, role, pathogenesis, polytetrafluoroethylene grafts, characterization 9606.
  adherence, sutures 90.
  antibacterial activity, amikacin, β-lactam antibiotics, characterization 8761.
  antibacterial activity, antibiotic BRL 17421, in vitro, in vivo, man 348.
  antibacterial activity, cefmenoximine 6810.
  antibacterial activity, cefodizime 6809.
  antibacterial activity, cefoperazone 9970.
  antibacterial activity, cefoperazone, cefotiam 347.
  antibacterial activity, cefotaxime 4178.
  antibacterial activity, cefotaxime, cephalosporins 5914.
  antibacterial activity, cefotaxime, cephalothin resistance 8772.
  antibacterial activity, cefoxitin antibiotic synergism antibiotics 362.
  antibacterial activity, ceftazidime 5074.
  antibacterial activity, ceftazidime, comparison, cephalothin, cefotaxime, moxalactam, in vitro 358.
  antibacterial activity, ceftizoxime, cefazolin 1708.
  antibacterial activity, cephalosporins 1727.
  antibacterial activity, cephalosporins, penicillinase stability 11410.
  antibacterial activity, fosmidomycin, synergism, β-lactam antibiotics, gentamicin, trimethoprim 11391.
  antibacterial activity, N-formimidoyl thienamycin 1717.
  antibacterial activity, penicillins antibiotic antagonism cephalosporins 6824.
  antibacterial activity, temocillin 9946.
  antibacterial activity, thiolactomycin 11421.
  antibiotic MK0787, antibacterial activity, β-lactam antibiotics 7783.
  antibiotic resistance, ampicillin 5958.
  antibiotic resistance, nosocomial infection, neonates, man, sepsis, observation methods 9203.
  antibiotic resistance, role, penicillinase biosynthesis, antibacterial activity, cephalosporins 5124.
  antibiotic Ro 13-9904, antibiotic GR 20263, antibacterial activity 364.
  antibiotic sensitivity testing 7763.
  antibiotic sensitivity testing, gentamicin, use, ATP, chemiluminescence 12888.
  antibiotic sensitivity testing, mezlocillin, carbenicillin, methodology 391.
  antibiotic sensitivity testing, moxalactam disodium 6808.
  antibiotic sensitivity testing, N-formimidoyl thienamycin comparison β-lactam antibiotics 5902.
  antigens cross-reaction, Serratia marcescens infection, diagnosis, antibodies detection, man 11592.
  antimicrobial agents, effects on colonization, digestive tract, mice 10285.
  AutoMicrobic test, clinical isolates identification, man 4702.
  bacteremia, diagnosis, subculture, nephelometry, man 10487.
  bactericidal activity, amoxicillin, cefaclor 6812.
  blood culture, media (isolation) 1260.
  blood culture, sucrose, effects on, growth, man 9622.
  breweries contamination, detection methodology 1300.
  cefamandole, antibacterial activity 9965.
  cefazolin antibiotic resistance, antibacterial activity, cephalosporins 5082.
  cefodizime, antibacterial activity 11409.
  cefoperazone, antibacterial activity, antibiotic sensitivity testing 7786.
  ceftazidime, antibacterial activity, in vitro 357.
  ceftriaxone antibacterial activity 7789.
  cephalosporins, antibacterial activity 5911.
  clinical aspects, isolation, identification, serological tests 10911.
  clinical isolates, β-lactam antibiotics antibacterial activity 8779.
  clinical isolates, aminoglycoside antibiotics antibiotic resistance 10010.
  clinical isolates, antibacterial activity, β-lactam antibiotics 7792.
  clinical isolates, antibacterial activity, ceftazidime comparison cephalosporin antibiotics 5068.
  clinical isolates, antibacterial activity, ceftazidime 5079.
  clinical isolates, antibacterial activity, cephalosporins 9952.
  clinical isolates, antibacterial activity, mezlocillin 12894.
  clinical isolates, antibacterial activity, moxalactam, comparison, β-lactam antibiotics 7791.
  clinical isolates, antibacterial activity, moxalactam, cefoperazone 11406.
  clinical isolates, antibacterial activity, temocillin 11408.
  clinical isolates, antigenic characteristics 7922.
  clinical isolates, automated methods, identification 1305.
  clinical isolates, cefoperazone antibiotic resistance 9934.
  clinical isolates, drug sensitivity testing methodology 4202.

Enterobacteriaceae, (continued)
clinical isolates, moxalactam, antibacterial activity 7787
clinical isolates, Trimethoprim drug resistance, transposon Tn 7 10060
diarrhea, incidence, seasonal variations, children, Ethiopia 2028
diarrhea man, media (isolation) 6451.
drug resistance, cotrimoxazole, plasmids isolation, septicemia, immunocompromised hosts prophylaxis 8863
drug resistance, lysogeny, colicinogeny, sewage, man rectum samples, domestic animals rectum samples 453
drug resistance, nalidixic acid, trimethoprim, relationship, treatment, urinary tract infection, man 1787.
effects on γ radiation mortality, gnotobiotics, mice 10726
enteritis, vaccination, infection prophylaxis, animal models, man 11647
experimental infection, treatment, antibiotic synergism, azlocillin± cefotaxime± amikacin, mice 1704
eye diseases 6852
R factors, ampicillin antibiotic resistance, penicillinase 12924
R factors, man, salmonellosis 12866
Fasciola hepatica microflora 13419
feces, soil pollution, land managment relationship 8202
N-formimidoyl thienamycin, comparison, β-lactam antibiotics, antibacterial activity 9962
gastroenteritis, association, swimming, water quality, man 7988
gentamicin, antibiotic resistance, epidemiology 8792
gentamicin antibiotic resistance plasmids, infection, man, hospitals 4134
gentamicin antibiotic resistance, skin isolation sites, man, environmental studies, hospitals 3273
gentamicin resistance transfer, R factors association 11328
β-glucuronidase, activity, use, identification, Salmonella serotypes 1522
α-glutamyltransferase, detection, assays, Shigella sonnei 1500
gram-negative bacteria, infection, man, antibacterial activity, cefotaxime 8074
growth, cefotetan, antibacterial activity 5926
identification, .
identification, API test, Micro-ID test 4693
identification, API test, Micro-ID test 12254
identification, Automicrobic test 3786
identification, AutoMicrobic test 3801
identification, Enterotube test, API test 1329
identification, keys 10889
identification, mathematical models 2567
identification methodology, Enteric-Tek 2538
identification methodology, Microbact test 2546
identification, pyrolysis products, gas chromatography 12240
identification, reagents quality control, cost-benefit analysis 6465
infection, aminoglycoside antibiotics, treatment, prophylaxis, man 12002
infection, cefotaxime treatment, intensive care units, man 6281
infection, cefotaxime treatment, man 6265
infection, man, cirrhosis, endotoxins, antibodies levels 10233
infection, man, diarrhea, antibiotics treatment 9135
infection, man, treatment, cephoperazone, antibacterial activity 9234
infection, treatment, moxalactam, man 7188
infection, treatment, moxalactam, man 8052
intestinal microflora, children, interaction ECHOvirus infection 13066
intestinal microflora, rectum, cotrimoxazole, prophylaxis, neutropenia, man 1923
isolates, man, chickens, cattle, antibiotic resistance, oxytetracycline, chloramphenicol, streptomycin 5110
β-lactam antibiotics, antibacterial activity 7780
meningitis, treatment β-lactam antibiotics, pharmacokinetics, rabbits 7066
microflora, radiation effects on, monkeys 7223
modification enzymatic, aminoglycoside antibiotics, association, antibiotic resistance 12678
moxolactam, antibacterial activity, characterization 7779
nomenclature, taxonomic revision 8316
Norflaxacin, antibacterial activity, comparison, chemotherapeutics, oral administration 9982
nosocomial environments isolates, antibiotic resistance, carbenicillin, gentamicin, tobramycin, role, R factors 5956
nosocomial infection, hygiene, hospitals 3448
oral infection, man, antibiotics treatment 10305
penicillinase, biosynthesis, antibacterial activity, moxalactam, cefotaxime, in vitro 360
penicillinase, genes homology Neisseria gonorrhoeae 6705
penicillinase, inhibition, 6-bromopenicillanic acid, 6-iodopenicillanic acid 1713
phage typing, Citrobacter freundii, phages receptors 10919
plasmid ColA, purification, restriction endonuclease mapping 8731
pneumonia, man, case reports 4388
preservation, gelatin disc drying method, media (transport) 6454
respiratory tract infection, cefoperazone, clinical trials, man 7970
septicemia, cefotaxime treatment, man 6269
susceptibility, moxalactam, ± clindamycin, antibacterial activity, in vitro 339
taxonomic revision, nomenclature 8313
temocillin antibacterial activity 7785
thiolactomycin antibacterial activity 7810.
toxic shock syndrome, tampons biodegradation, man 13270
tumors infection, man, immunological aspects 6148
urinary tract infection, association, spinal cord injuries, man 2081
urinary tract infection, man, characterization 11803
urinary tract infection, treatment, amoxicillin+clavulanic acid, man 11826
urinary tract infection, treatment, pivmecillinam+pivampicillin, clinical trials, man 10396
urine, Autobac test, drug resistance, identification, Micro-ID test 1307
urine, identification, Gram stain, Micro-ID test 9559
vagina colonization man, recurrent cystitis, menstrual cycle effects on 9145
Enterobactin,
receptors, purification, characterization, outer membranes, Escherichia coli 11120
Enterobactor cloacae,
meningitis, treatment, moxalactam, man 887
Enterochelin,
biosynthesis, Enterobacter cloacae, iron effects on aerobactin 6494
Enterochelin synthetase,
activity, Escherichia coli, reaction mechanisms 9786
Enterococcus,
bacteremia, prognosis, epidemiology, man 10446
Enterococcus, (continued)
infection, netilmicin treatment, man 10617
pyelonephritis, association, diuresis, water absorption, animal models 13197.
Enterocolitis,
association, tuberculosis, Mycobacterium tuberculosis, clinical aspects, diagnosis, treatment, man 13175
children, treatment, antibiotics± adaptogens 10362.
clindamycin induction, pathology, association, Bacillus pumilus, animal models 13181
Hirschsprung’s disease, Clostridium difficile, characterization 11777.
Vibrio parahaemolyticus, man, case reports 2035.
Enteromorpha linza,
adherence, Flavobacterium+Cytophaga 4731.
Erythrobacter longus gen.nov. sp.nov., isolation, characterization, association, bacteriochlorophyll a 9541
Enterostomy,
association, cholangitis, Escherichia coli, Pseudomonas aeruginosa, treatment, cotrimoxazole, case reports, infants, man 7023
Enterotoxemia,
Escherichia coli, diarrhea, treatment, chlorpromazine, propranolol, mice animal models 6201.
streptomycin dependent Escherichia coli vaccination effects on, pigs 6929.
treatment, pigs juveniles, Rhodovet powder+aspirin 6350.
Enterotoxin A,
Staphylococcus, binding, spleen cells, mice 1828
Staphylococcus, histidine carboxymethylation, toxicity inactivation 8871.
Enterotoxin B,
Staphylococcus aureus, enzyme-linked immunosorbent assay 12964.
Staphylococcus aureus, precursors, characterization 5997
Enterotoxin F,
production, Staphylococcus aureus, toxic shock syndrome clinical isolates, isolation, antibody response, man 10129.
Enterotoxins,
Aeromonas, biosynthesis, association, classification 2551.
Aeromonas hydrophila, detection, use, neonates mice assays 3120.
Aeromonas hydrophila, effects on intestine, rats, rabbits, animal models 11497
Aeromonas hydrophila, enterotoxins skin rabbits, Y1 cells 11514.
Aeromonas hydrophila, stimulation cyclic AMP levels, epithelium, intestine, rabbits 8882
association, Escherichia coli comparison, hydrophobicity, hemagglutination activity, colonization factors antigens 7923
biosynthesis, Aeromonas hydrophila, Plesiomonas shigelloides, man isolates, effects on mice 1801.
biosynthesis, isolation, Escherichia coli clinical isolates 7700.
biosynthesis, Yersinia enterocolitica, temperature effects on 12967
Clostridium difficile, association, gastrointestinal tract diseases, man 12985
Clostridium difficile, effects on tissue culture, morphology, function, HeLa cells association 7899
Clostridium perfringens, amino acid sequence, characterization 11476.
Clostridium perfringens, antigenicity, structure-activity relationships 5159.
clostridium perfringens, binding, liver cells, rats, quantitation 8896.
Clostridium perfringens, biosynthesis, in vitro, purines, imidazole, papaverine effects on 11369
Clostridium perfringens, biosynthesis, sporulation, caffeine, theobromine, effects on 1811
Clostridium perfringens, heat inactivation 7883
Clostridium perfringens, intestinal absorption, rats 5167.
Clostridium perfringens, purification, characterization, endotoxemia, man 3124.
cytotoxicity testing, methodology 7875
detection, Staphylococcus, food, association, gastrointestinal tract diseases, man 10065
Ent plasmid, transfer, Escherichia coli, pigs animal isolates 5014.
Escherichia coli, acute toxicity, gastrointestinal tract, calcium, quinacrine hydrochloride, zomepirac sodium effects on, mice 6023
Escherichia coli, antibodies, detection, infants, mothers, man, Ethiopia, Sweden, Costa Rica 3229
Escherichia coli, antibody response, rabbits 10228
Escherichia coli, biosynthesis, association, diarrhea, infants, man 3361.
Escherichia coli, biosynthesis, association, diarrhea, children 4232.
Escherichia coli, biosynthesis, relationship, pathogenesis, pigs 475.
Escherichia coli, clinical isolates, biosynthesis, role pathogenicity 8867
Escherichia coli, clinical isolates, hemagglutination colonization factor, pigs 1835
Escherichia coli, detection, gangliosides+enzyme-linked immunosorbent assay 4224.
Escherichia coli, detection, hemolysis assays 4226
Escherichia coli, detection latex agglutination 7880
Escherichia coli, diarrhea, association, chlorpromazine induction intestine epithelium shedding, rats 11517
Escherichia coli, DNA cloning 6688
Escherichia coli, effects on, cell proliferation, in vitro 12983.
Escherichia coli, effects on HeLa cells cell culture 1826.
Escherichia coli, effects on immunity, rats 4237
Escherichia coli, effects on mice, chemicals effects on 481
Escherichia coli, gangliosides specificity, ADP-ribosyltransferase activity 4234.
Escherichia coli, immune response, rabbits, antigens synergism 10192
Escherichia coli, induction, cyclic AMP extracellular levels, Vero cells 8888.
Escherichia coli, induction, intestine secretion, inhibition, nicotinic acid, pigs 1838
Escherichia coli, induction, intestine secretion, mice, inhibition, lanthanum 5173.
Escherichia coli, interaction gangliosides 5182.
Escherichia coli, man, pigs, identification, gel diffusion 3127.
Escherichia coli, peptides, staining 466
Escherichia coli, plasmid Ent, gene mapping, regulation 9899
Escherichia coli, plasmids, antibiotic resistance, isolation, characterization 12863
Escherichia coli, plasmids detection 277
Escherichia coli plasmids, relationship, epidemiology, pigs 9863.
Escherichia coli, propranolol, effects on, intestine, secretion, pigs 11525
Escherichia coli, purification, gel electrophoresis 12970.
Escherichia coli, seroepidemiology, pigs 11518.
Escherichia coli, serum levels, aspartate aminotransferase, rabbits 10082
Escherichia coli, shigella, association diarrhea, clinical aspects, children man Ethiopia 6019
Escherichia coli, structure 471
Escherichia coli, subunit structure, immunochemistry 12971.

Enterotoxins, (continued)
  Escherichia coli, supernatants, cell-free system, assays, association diethyl ether 7878.
  Escherichia coli, toxicity, man, reviews 3132.
  Escherichia coli, vaccines development 11638.
  Escherichia coli, Vibrio cholerae, binding, membranes receptors, cell lines, mice 11499.
  genes, cloning, Vibrio cholerae 8876.
  genes subunits, nucleotide sequence, Escherichia coli 12784.
  production, ± drug resistance, Escherichia coli, plasmids conjugation 8862.
  production, Escherichia coli, thermal stability 8874.
  production, Vibrio cholerae, Escherichia coli, Salmonellae 6002
  purification, characterization, Vibrio cholerae, Escherichia coli 12972.
  relationship, Escherichia coli, hemagglutination, adherence, oral cavity cells, diarrhea, infants, man 3142.
  Salmonella, biosynthesis, assays 4225.
  Salmonella wien, purification, characterization, toxicity, cell culture, rabbits 12982
  secondary structure, C.D., Vibrio cholerae 8870.
  serotypes, Escherichia coli, association, colonization antigens 1795.
  sodium dodecyl sulfate, guanidine hydrochloride, temperature, pH effects on tertiary structure, U.V. spectroscopy, Clostridium perfringen 5045.
  staphylococcus, antibody response, toxic shock syndrome, man 10113.
  C.D., Staphylococcus aureus 5156
  C.D., Staphylococcus aureus 10064.
  Staphylococcus aureus, association, strains origin 5161.
  Staphylococcus aureus, biosynthesis, plasmid pSN2 nucleotide sequence 6737
  Staphylococcus aureus, catalysis, NAD$^+$ nucleosidase hydrolysis, kinetics 4231.
  Staphylococcus aureus, characterization, bakery products Brazil 5995.
  staphylococcus aureus, clinical isolates, toxigenicity 8877.
  Staphylococcus aureus, detection, enzyme-linked immunosorbent assay, custard 5994
  Staphylococcus aureus, detection, identification, immunodiffusion 11475.
  Staphylococcus aureus, enzyme-linked immunosorbent assay, detection 5991.
  Staphylococcus aureus, isolation, food industry, personnel, carriers, nasopharynx 11516.
  Streptococcus group A, isolation, purification, methodology 5149.
  toxoids, Escherichia coli, recombinants, plasmids, vaccines, gene mapping 2939.
  Vibrio cholerae, biosynthesis, isolation, fresh water, USA, Louisiana 469.
  Vibrio cholerae, biosynthesis, lincomycin, effects on 4227.
  Vibrio cholerae, deletion mutant, induction, phages, mutants 7655.
  Vibrio cholerae, detection, lymphocyte transformation methodology 10063.
  Vibrio cholerae, Escherichia coli, antigenic determinants, antigenic relationship 3126
  Vibrio cholerae, Escherichia coli, berberine effects on, animal models 4241.
  Vibrio cholerae, Escherichia coli, induction, intestine secretion, mice, bile effects on 5168
  Vibrio cholerae, Escherichia coli, receptors, effects on adenylate cyclase 6863.
  Vibrio cholerae, Escherichia coli, subunits, hybrids, electrophoresis 3128.
  Vibrio cholerae, genes, use, cholera vaccines 7654.
  Vibrio cholerae, immunostimulation, mice 5181.
  Vibrio cholerae, immunosuppression thymocytes, mice 5180.
  Vibrio cholerae, penetration mechanisms, cells 10103
  Vibrio cholerae, receptors, Peyer's patches epithelium, guinea-pigs 12979.
  Vibrio cholerae, subunits, role, cholera pathogenicity, animal models 10111.
  Yersinia enterocolitica, biosynthesis, temperature effects 462.
  Yersinia enterocolitica, purification, antigenic relationship, Escherichia coli 10068
  Yersinia enterocolitica, tests, relationship pathogenicity 11539.
Enterotube test,
  gram-negative bacteria, identification, clinical microbiology 5579.
  identification, Enterobacteriaceae 1329.
  identification, isolates, Yersinia enterocolitica, animals 2533.
Enthalpy,
  Escherichia coli, aspartate carbamoyltransferase conformation transition, calorimetry 11136
  purple membranes, bacteriorhodopsin intermediates, Halobacterium halobium, spectroscopy 6565
Enumeration,
  acidophilic bacteria, milk, media (culture), methodology 3773.
  Actinomyces viscosus, Actinomyces naeslundii, dental plaque, media (selective) 3755.
  actinomycetes, soil microorganisms, media (selective)+rifampicin 2514.
  aerobic bacteria, anaerobic bacteria, heterotrophic microorganisms, USA, Ohio, water supplies 10811.
  Azotobacter, Beijerinckia, media, benomyl+mancozeb 3.
  bacteria contamination, eggs, chickens juveniles, gnotobiotics (specific pathogen free) 6381.
  bacteria, experimental infection, Pasteurella multocida, fever treatment, effects on, rabbits 2384.
  bacteria, fluorescence microscopy, sediments, marine environment 18.
  bacteria, fungi, composts, dust, mushrooms culture 2468.
  bacteria, methodology, water 1273.
  bacteria, milking machines, membrane filtration, microscopy 2526.
  bacteria, plate counts, food quality 3751.
  bacteria, river water, sewage effluents 1281.
  bacteria, use bacteriostats, Coulter counters, milk 9519.
  bacterioplankton, Protozoa, lagoons Italy, pollution, effects on eutrophication 7340.
  Bdellovibrio, marine environment, association, parasitism, lysis, Vibrio parahaemolyticus 9630.
  bifidobacterium, methodology 3771.
  cells, diagnosis, mastitis, cattle 7274.
  cellulolytic bacteria, media (culture), reservoirs 10861.
  cellulolytic bacteria, sediments, marine environment, British Isles 2498.
  Clostridium, inoculation, soil, rhizosphere, association, Daucus carota, root rot 10778.
  coliforms, Escherichia coli, shellfish 1274.
  coliforms, suspended matter interference, seawater, membrane filtration 7372.
  denitrification, nitrate reduction, bacteria, soil, microtiter most-probable-number 2525.
  Escherichia coli, methodology, trachea, chickens 10869.
  eye microflora, man, methodology 4676
  feces coliforms, food, methodology 7370.
  filamentous microorganisms, sediments, seasonal variations, lakes, British Isles 2488.

Enumeration, (continued)
  food coliforms, media (culture), methodology 1280.
  heterotrophic microorganisms, bacteria, use, nutrients media (culture), rivers 1278.
  Lactobacillus bulgaricus, Streptococcus thermophilus, yogurt, use, agar media (culture) 1275.
  Lactobacillus, saliva, man, methodology 4675.
  lymphocytes T subpopulations, cerebrospinal fluid, man, meningitis 7936.
  media (selective), Escherichia coli, feces, coliforms association 10852.
  methylotrophic bacteria, drinking water 12168.
  microorganisms, blood culture, role, diagnosis, prognosis, bacteremia, septicemia 2246.
  microorganisms, motility velocity, methodology 9521.
  recovery, media comparison, Clostridium sporogenes spores 6463.
  Rhizobium, antibiotic resistance, streptomycin, soil, rhizosphere, Vigna mungo 2472.
  Rhizobium, antibiotics, fungicides, soil 1227.
  Serratia marcescens, Serratia marinorubra, surface microlayer distribution 6445.
  spiral plater, antibacterial activity Escherichia coli, measurement 5927.
  spirochetes, salt marshes, rifampicin 4653.
  Staphylococcus aureus, media 4677.
  Streptococcus bovis, polluted environments, feces, man, animals, media (selective) 1264.
  substrate specificity marine environment bacteria, use, microscopes 1276.
  sulfate-reducing bacteria, sea water 4649.
  surveys, coliforms, heterotrophic bacteria, estuaries, India 8217.
  Vibrio, distribution, factors affecting, water resources, British Isles 10812.
Envelopes,
  Beggiatoa alba, ultrastructure 12344.
  cell walls, proteins characterization, Bacillus brevis 12567.
  formation, proteins, mechanisms, Escherichia coli 2599.
  Legionella pneumophila, ultrastructure 12290.
  Leptospira, serotypes, vaccines, preparation, vaccination, guinea-pigs 11651.
  macromolecules, Escherichia coli, biosynthesis, relationship, growth rate 3842.
  mutants, phospholipid degradation, phospholipase C, Escherichia coli 6630.
  proteins, structure, chemical analysis, Micrococcus radiodurans 11108.
Environmental changes,
  volcanoes, effects on population levels, heterotrophic bacteria, lakes, USA, Washington, mountains 12155.
Environmental conditions,
  anaerobic conditions, sediments, marine environment 8220.
  association, competition, soil microorganisms, Nitrobacter serotypes 10798.
  chickens, effects on Staphylococcus aureus infection 10722.
  Escherichia coli, factors affecting competition 9663.
  nitrogen fixation, nitrogen-15 levels, plant communities, USA, California 12139.
  relationship, host-pathogen interactions, livestock diseases 12056.
  substrate preferences, Pseudomonas, adherence, surface properties, methodology 9591.
  Zymomonas mobilis, effects on ethanol tolerance 6854.
Environmental effects,
  nosocomial infection, disease control, man 10560.
  odors production, role, Streptomyces, aquatic environment 12183.
  phage λ lysis, lysogeny, hosts 7676.
  population dynamics, streams, alpine environments, bacteria 7338.
Environmental hygiene,
  operating theaters, role, prophylaxis, postoperative infection, man 2202.
Environmental impact,
  heavy metals, nutrients, aquatic ecosystems, sediments, microcosms 9489.
Environmental monitoring,
  association, nosocomial infection, incidence, epidemiology 10540.
Environmental stress,
  bacterioplankton, rivers detritus 6444.
  indicators, bacteria, cellulase activity, salt marshes, USA, South Carolina 12166.
Environmental studies,
  gentamicin antibiotic resistance Enterobacteriaceae, hospitals 3273.
Environments,
  isolates, Yersinia enterocolitica, characterization 3784.
  Mycobacterium, isolation, lymph nodes, pigs 8091.
  sterilization, use, burn patients treatment, nosocomial infection control, man 1041.
  USA, Colorado, bacteria, soil microorganisms, metabolism, association 6518.
Enzymatic activity,
  aspartokinase, lysine production mutants, Corynebacterium glutamicum, characterization 1483.
  catalase, Pseudomonas fluorescens, induction 1530.
  cellulolytic enzymes, Acetivibrio cellulolyticus 1492.
  DNA nucleotidyltransferase like, Escherichia coli, association, R factors, U.V. radiation 2765.
  ferrisiderophore reductase, Bacillus subtilis, characterization, role, aromatics biosynthesis 2817.
  fructosyltransferase, Streptococcus salivarius, inactivation 2819.
  glutamate dehydrogenase (NADP$^+$), Bacillus subtilis, catabolite repression, glutamate 2809.
  L-glutaminase, Bacillus licheniformis, glutamine induction, glucose inhibition 186.
  glutamine synthetase, Bacillus licheniformis, phosphorylribosyl pyrophosphate effects on, factors affecting 201.
  -a-glutamyltransferase, Mycobacterium 1482.
  isocitrate dehydrogenase, Citrobacter intermedius, plasmids, role, glutamate, excretion 2812
  lysozyme, saliva immunoglobulin G levels, role, dental caries disease resistance, man 729.
  nitrogenase, Triticum aestivum, Sorghum nigricans, +Rhizobium "cowpea", +Azospirillum lipoferum 1214.
  nitrogenase, Vigna mungo, potassium dihydrogen ortho phosphate, ammonium nitrate, effects on 2476.
  nodules, Medicago sativa, potassium fertilizers effects on 1167.
  ornithine carbomyltransferase, Lactobacillus buchneri, arginine, catabolism 3951.
  phospho-2-keto-3-deoxy-heptonate aldolase, anthranilate synthase, Pseudomonas aureofaciens, amino acids effects on 1493.
  proteinase, Legionella pneumophila biosynthesis, in vitro 198.
  pyruvate dehydrogenase, oxoglutarate dehydrogenase, lipoic acid effects on, Escherichia coli 202.
  soil microorganisms, Pseudomonas putida, characterization, dehalogenation, monochloroacetic acid, dichloroacetic acid, 2-monochloropropionic acid,

zymatic activity, (continued)
2,2-dichloropropionic acid 1503
uperoxide dismutase, Mycobacterium leprae 1495.
hermoactinomyces vulgaris, phosphatase, heat tolerance, role, cations 2763.
rease, glutamine synthetase, glutamate dehydrogenase, media (culture) effects on, inhibitors, Selenomonas ruminantium 370.
zymatic synthesis,
ytosine deaminase, Salmonella typhimurium, pyrimidines effects on 6635.
itrate reductase, Escherichia coli, oxygen effects on 6634.
hage XP-12, 5-methyl-deoxycytidine deaminase, Xanthomonas oryzae 6726.
ransketolase deficient mutant Bacillus subtilis, catabolite repression effects on 2805.
zyme immunoassay,
ntibodies detection, Bacillus anthracis capsules, anthrax, man 12997
etection, Clostridium difficile antigens, feces, man 3157.
taphylococcus aureus α-hemolysins antibodies, milk 499
zyme kinetics,
acteroides ruminicola, proteinase, rumen 2811
euraminidase, bacteria, N-acetylneuraminic acid, N-glycolloylneuraminic acid 1527.
enicillinase, Streptomyces cacaoi, Bacillus cereus, inhibition, clavulanic acid, antibiotic PS-5 2780
enicillinase, Streptomyces cacaoi, Bacillus cereus, inhibitors, antibiotic CP-45,899, cephamycins, izumenolide 2795
roline dehydrogenase, Clostridium sporogenes, characterization 2797.
zyme-linked immunosorbent assay,
antigens, Bacteroides fragilis, lipopolysaccharides, outer membranes, in vitro 3153.
Chlamydia trachomatis antibodies, micromethods 508.
detection, assays, toxins, Bacillus thuringiensis subsp.kurstaki, Bacillus thuringiensis subsp.israelensis 5150.
detection, bacteria, antigens 11553.
detection, Brucella abortus, milk 5187
detection, Clostridium botulium, type G, toxins 3121
detection, Clostridium tetani, toxoids, antibody response, activation 11602.
detection, enterotoxins, Staphylococcus aureus, custard 5994.
detection, Erwinia salicis antigens, Salix alba leaves 8149.
detection, immunoglobulin G, Mycoplasma agalactiae subsp.bovis, cattle 1843.
detection, immunoglobulin M, immunoglobulin G, antibody response, Pseudomonas aeruginosa, enzyme-linked immunosorbent assay, horses 4299.
detection, Legionella pneumophila antibodies, man 8903.
detection, Leptospira interrogans ser.hardjo, antigens 11536.
detection, Neisseria meningitidis, polysaccharides, immunoglobulin M, immunoglobulin G 12993
detection, phage β^{tox} mutants, antigens, Corynebacterium diphtheriae toxins, plaque assay 5006.
detection, Salmonella typhi antigen Vi, diagnosis, typhoid fever, man 4249.
detection, Treponema hyodysenteriae antibodies, pigs 4301.
detection, tuberculin antibodies, immunoglobulin G, man, tuberculosis 3154.
diagnosis, brucellosis, man 11535.
diagnosis, Mycoplasma pulmonis infection, rats, mice 4587
diagnosis, syphilis, man 11530.
enterotoxins, detection, Staphylococcus aureus 5991
Escherichia coli, pili, antigens, purification, characterization 13003.
+gangliosides, detection, Escherichia coli enterotoxins 4224
heat inactivation, Vibrio cholerae, antigenicity 10166.
immunodiagnosis, Brucella ovis, epididymitis, sheep 13409
immunodiagnosis, gonorrhea, man 11527.
immunoglobulin A, immunoglobulin G, periodontitis, immune response (humoral), bacteria, man 10178.
immunoglobulin G, binding, Escherichia coli, opsonization, antibacterial activity 3156.
Leptospira interrogans ser.hardjo antibodies, sheep 3163.
monoclonal antibodies, toxins, Clostridium botulinum, antigenic determinants, neutralization 10067.
Mycobacterium bovis, cattle 501.
Mycoplasma pulmonis, detection, enzyme-linked immunosorbent assay, rats, mice 4247.
Neisseria meningitidis polysaccharides, detection, antibodies, serum, man 6033.
Pasteurella multocida infection, immune response (humoral), turkeys 6031.
Rickettsia typhi, Rickettsia prowazekii, typhus, antigens isolation, diagnosis 1845
Salmonella, antigen O, antigen H, purification 6875
Salmonella, infection, diagnosis, animal models 1846.
serotyping, Neisseria gonorrhoeae, protein I antigens, comparison, agglutination 8900.
serum, association, resistance, susceptibility, Mycoplasma bovis challenge, cattle 8975.
serum diagnosis, Leptospira interrogans 3164.
Spiroplasma citri, detection, plants, Insecta, tissues 8899.
Staphylococcus aureus, enterotoxin B 12964.
Staphylococcus aureus protein A detection 1848.
Streptococcus pyogenes exotoxins 461.
Ureaplasma urealyticum, antigenic characteristics, identification 7910.
use, detection, Bacteroides antigens, species specificity, cross-reactivity 8940.
use, detection, Chlamydia trachomatis antibodies, immunoglobulin G, salpingitis, man 7906.
use, Neisseria gonorrhoeae cells, detection, antibodies, gonorrhea, man 505.
Vibrio cholerae, immunoglobulin G, antitoxins, experimental infection, man 1849.
Yersinia enterocolitica, man, immunoglobulins levels, use, lipopolysaccharides 7911.
Enzymes,
activation, nitrogenase, isolation, characterization, Rhodospirillum rubrum 2774.
activity, mice, Staphylococcus infection, antibiotics treatment effects on 10668.
activity, Staphylococcus aureus, clinical isolates, association, toxic shock syndrome, man 9785.
ϵ-aminocaproic acid, metabolism, Alcaligenes 8627.
assays, identification, Vibrio cholerae, visual perception 3803.
assembly, genes mutation effects on, Escherichia coli, asparate carbomoyltransferase 12812.
autolysis, role, penicillins antibiotic resistance, Lactobacillus 6826.
Bacillus brevis, gramicidin S biosynthesis, regulation arginine 8784.
Bacillus subtilis, Bacillus circulans, cytolysis, yeasts, bacteria 12593.
bacteria, mutants, colonial characteristics, autoradiography, methodology 1284.
Bacteroides, cell walls biodegradation, Arachis hypogaea 7430.
biosynthesis, Alcaligenes eutrophus, autotrophy metabolism, association, heterotrophy growth 8561.

Enzymes, (continued)
biosynthesis, Escherichia coil, catabolite repression, induction, association, cyclic AMP 8622.
biosynthesis, microorganisms, mathematical models, reviews 8276.
biosynthesis, polysaccharides degradation, association, carbohydrates media, bacteria rumen microorganisms 9780.
biosynthesis, regulation, membranes phospholipids, Mycobacterium smegmatis 9806.
biotin biosynthesis, Bacillus sphaericus, characterization 4851.
carbohydrates transport, biosynthesis, adenylate cyclase, Escherichia coli 4732.
carbon sources, phosphate, effects on, alginic acid, biosynthesis, Azotobacter vinelandii 12703
citrate metabolism, Streptococcus lactis supsp.diacetylactis, characterization 2778.
detection, contagious equine metritis bacteria, energy metabolism, characterization 5673.
Erysipelothrix rhusiopathiae 11215
Escherichia coli, biosynthesis, antibacterial activity, erythromycin, effects on 7797.
Escherichia coli, biosynthesis, continuous culture, kinetics, growth rate 11195.
Escherichia coli, catabolite repression, cyclic AMP effects on 8617.
Escherichia coli, effects on, phage ΦX174, DNA, replication, superhelical 11292.
Escherichia coli, Pseudomonas aeruginosa, aminoglycoside antibiotics antibiotic resistance 10011.
flavin, incidence, Lupinus luteus nodules association Rhizobium lupini 13488.
gene regulation, glyoxylic acid shunts, Escherichia coli 6719.
glycosylation activity, carbohydrates media effects on rumen microorganisms bacteria isolates 9789.
gram-negative bacteria, effects on antibiotic sensitivity testing, aminoglycoside antibiotics 1751.
gram-negative bacteria role, aminoglycoside antibiotics antibiotic resistance 5946.
heme, Salmonella minnesota endotoxins effects on, liver, mice 11513.
hydrogenase, activity, association, growth, Hyphomicrobium 6641.
identification, Veillonella alcalescens serine biosynthesis 192.
intracytoplasmic membranes, sorbitol oxidation, role growth, Gluconobacter oxydans 6497.
Legionella pneumophila, Legionella like bacteria, enzymatic activity 2762.
leukocytes (polymorphonuclear), Staphylococcus aureus leukocidin components effects on, rabbits 6047.
lipase, endotoxins, Escherichia coli, effects on, mice 494.
lipid metabolism, bacteria, comparison amino acid composition, evolution 7560.
lysis, spores, Clostridium perfringens, extraction, role, spore germination 5770.
mechanisms, nitrification, Nitrobacter agilis 7478.
mechanisms, recBC gene protein, electron microscopy, Escherichia coli 7609.
methanol, metabolism, carbon sources, nitrogen sources, Blastobacter viscosus 12463.
Methylophilus methylotrophus, role, carbon metabolism 12453.
Micrococcus varians, Bacillus licheniformis, glycine effects on activity 8613.
Mycobacterium, activity, fluorescence tests, role 4-methylumbelliferone 8272.
Naja oxiana ribonuclease, sensitivity, mediation, Escherichia coli elongation factor Tu, association, aminoacyl-tRNA synthetase 4828
oxidation, ethanol, formaldehyde, distribution, Methylomonas methanica 11218.
oxidation, methanol, pathway, Methylophilus methanolovorus 11217
pathogens, mutants, virulence, Pseudomonas aeruginosa, Galleria mellonella 6390.
phages, replacement succinate dehydrogenase function, Escherichia coli 5851.
phages, use, depolymerization, Klebsiella capsules polysaccharides 4945.
phosphorylation, role phophoenolpyruvic acid association hexose transport systems, bacteria 8355.
proteins, electrophoresis, Rhizoctonia solani isolates, sheath blight, Oryza sativa 12557.
Pseudomonas aeruginosa, clinical isolates, soil isolates, pathogenicity 6662.
purification, characterization, Arthrobacter globiformis 4922.
pyrimidines biosynthesis, Bacillus subtilis 8615.
role, gluconate phosphorylation, Streptococcus faecalis 11229.
role, NAD metabolism, Vibrio cholerae 5765.
soil, nitrogen decomposition 9428.
Staphylococcus aureus, aminoglycoside antibiotics inactivation, role antibiotic resistance 10014
Staphylococcus clinical isolates, virulence relationship antibiotic resistance 11424.
Streptococcus mutans, Streptococcus salivarius, Streptococcus sanguis, glucose, phosphorylation, comparison 5779.
Streptococcus, Staphylococcus, clinical isolates, role aminoglycoside antibiotics antibiotic resistance 10012.
Streptomyces hygroscopicus, modification hygromycin B, association, antibiotic resistance 7719.
Streptomyces rutgersensis, isolation, characterization 2789.
o-succinylbenzoic acid, role, biosynthesis, Escherichia coli 6562.
sulfur, metabolism, sulfur bacteria 12690.
susceptibility, penicillinase, N-formimidoyl thienamycin 1717.
systems, effects on, pAT 153 plasmid, Escherichia coli 8732.
Thiobocillus neapolitanus, Calvin cycle, carboxysomes, function, models 5773.
trypsin like, characterization, Streptomyces clavuligerus 5760.
use, biosynthesis, Salmonella antigen O 10160.
Vibrio cholerae, association, nitrofurantoin resistance mechanisms 8861.
xylene oxidation, regulation, Pseudomonas aeruginosa 12643
Eos squamata,
isolation, Salmonella typhimurium 7256.
Eperythrozoon ovis,
infection, sheep, suckling behavior, juveniles, diseases protection 9371.
Eperythrozoon parvum,
blood parasites, infestation, domestic animals 9341.
Eperythrozoon suis,
blood parasites, infestation, domestic animals 9341.
Ephestia cautella,
gut epithelium, histopathology, Bacillus thuringiensis δ-endotoxin 10096.
hemolymph histopathology, toxicity, Bacillus thuringiensis δ-endotoxin 10095.
Wolbachia symbionts, effects on fertility 1129.
4-Epi-cetocycline,
Streptomyces rimosus transformation 2-decarboxamido-2-acetyl-4-dedimethyl-9-methyltetracycline, antibacterial activity 7808.
3'-Epi-dihydrostreptomycin,
synthesis, antibacterial activity 11393.

3″-Epi-dihydrostreptomycin,
synthesis, antibacterial activity 7773.
Epidemic typhus,
Rickettsia prowazekii, incidence, treatment, diagnosis, disease reservoir, Glaucomys volans, man, USA 2244
Epidemiology,
animals, man, Campylobacter infection 4578.
anthrax, cattle, case reports 10651
antibiotic resistance, Salmonella, animal isolates, clinical isolates, USA 12927.
antibiotic resistance Staphylococcus aureus, burn patients, nosocomial environments 8793.
association, plasmids, restriction endonuclease mapping, Escherichia coli clinical isolates, diarrhea, man 11765.
bacteremia, gram-negative bacilli, acute nonlymphocytic leukemia, surveillance, man 11920
bacteria clinical isolates, antibiotic resistance, man 10020
bacteria, fluoride, social hierarchy, effects on dental caries, Finland, children 11689.
bacteria, infection, epidemiology, institutions, nosocomial environments 2227.
bacteria, pathogens, water pollution, coastal waters 6254.
bacteria, wilt, roots, Cocos nucifera, India 3674
bacteriuria, Escherichia coli, nosocomial infection, use, antigen O typing, geriatrics 2050
botulism, Clostridium botulinum, man, diagnosis 7025
botulism, infants, man 3469.
botulism, man, Portugal 9133.
Brucella abortus infection, wildlife, USA 8120.
brucellosis, Brucella canis, dogs, man 7285.
Campylobacter Enteritis, man 9142.
Campylobacter fetus subsp.jejuni enteritis, man 10358.
Campylobacter fetus subsp.jejuni infection, outbreaks, man, institutions 3352.
Campylobacter fetus supsp.jejuni, carriers, diarrhea, Aborigines, Australia 7019.
Campylobacter jejuni infection, epidemiology, serotyping methodology 7912.
Chlamydia trachomatis congenital infection, neonates, man 9249.
Chlamydia trachomatis, non-specific urethritis, man 13231.
Chlamydia trachomatis, trachoma, man 9276.
Chromobacteria, rivers 1245.
Clostridium tetani, tetanus, man 4535.
Clostridium tetani, tetanus, man, Italy 5353.
Clostridium tetani, tetanus, man, Italy 5354.
Clostridium tetani, tetanus, man, Italy 5360.
Cocos nucifera wilt, Phytomonas, Micrococcus roseus, experimental infection, disease transmission, Trinidad 8139
colitis, Clostridium difficile, nosocomial environments, man 10380.
contagious equine metritis, horses 7239.
contagious equine metritis, horses 12046.
contagious equine metritis, horses, diagnosis, Japan 7250.
Corynebacterium diptheriae gravis infection, man 8058.
dental caries, incidence, children 11681
dental caries, relationship, fluoridation, man, USA, Massachusetts 721.
dental caries, world, man, reviews 6959.
dental disorders, bacteria, factors affecting suseptibility, children 11692.
diarrhea, bacteria, etiology, prophylaxis, treatment, children, Costa Rica 11780.
diarrhea, Vibrio, man, reviews 11776.
enteritis, Campylobacter fetus subsp.jejuni, man 2024.
enteritis, Campylobacter fetus subsp.jejuni, man, reviews 7022.
enteritis, campylobacter, infants, man 3360.
enteritis, clinical aspects, etiology, man, Campylobacter 7993.
Enterobacteriaceae, gentamicin, antibiotic resistance 8792.
Enterococcus bacteremia, man 10446
Escherichia coli clinical isolates, feces, premature, neonates 11784.
feline urological syndrome, bacteria, etiology, clinical aspects, case reports, cats 10718.
food poisoning, bacteria toxins, man 7890.
food poisoning, Clostridium botulinum, Staphylococcus aureus, gram-negative bacteria, toxins, man 10097.
food poisoning, etiology, association, Salmonella, Clostridium perfringens, British Isles, man 11762.
gas gangrene, Clostridium, nosocomial infection, man 2213.
gas gangrene, Clostridium perfringens, nosocomial infection, man, hospitals 2212.
gastroenteritis, Shigella, man, institutions 807.
genital tract infection, man, chlamydia trachomatis, reviews 9198.
genital tract Staphylococcus aureus colonization, females, man 10408.
genitourinary tract tuberculosis, man, reviews 865.
gonorrhea, man, reviews 2156.
gonorrhea, mathematical models, man 10438.
gonorrhea, Neisseria gonorrhoeae, plasmids characterization, man, British Isles 13242.
gonorrhea, penicillinase, man, Singapore 2169.
gonorrhea, syphilis, man, Greece 909.
granuloma inguinale, Calymmatobacterium granulomatis, reviews, man 6248.
Haemophilus ducreyi, man 917.
Haemophilus influenzae, antibiotic resistance, ampicillin, children 379.
Haemophilus pleuropneumoniae, pleuropneumonia, pigs 9362.
hospitals, Achromobacter xylosoxidans, bacteremia, nuclear medicine 7106.
incidence, nosocomial infection, association, environmental monitoring 10540.
infection, man, staphylococcus, methicillin resistance, hospitals 8055.
infectious diseases, China, People's Rep. 13288.
Klebsiella enteritis, neonates, man, Italy 813.
Legionella micadei, pneumonia, man 10338.
Legionella pneumophila, Pontiac fever, outbreaks, transmission air conditioning, man 2285.
Legionnaire's disease, man, Belgium 9103.
legionnaire's disease, man, France 6988.
Legionnaire's disease, nosocomial infection, Legionella pneumophila, risk factors, man 10354.
leprosy, association, urban environments, man, India 11670.
leprosy, man, Indonesia 11669.
leprosy, man, international cooperation 11668.
Leptospira infection, Rattus rattus, Rattus norvegicus, New Zealand 3601.
Leptospira interrogans ser.pomona infection, pigs, Mus musculus, role 12076
leptospirosis, disease transmission, occupational exposure laboratory animals, man 10471.
leptospirosis, man Israel 7205.
leptospirosis, man, Jamaica 9250.
leptospirosis, wildlife, New Zealand 5472.
Epidemiology, (continued)
Listeria monocytogenes, infection, man, reviews 4529.
listeriosis, man 7096.
lymphogranuloma venereum, Chlamydia trachomatis, man 9194.
man, infection, Staphylococcus aureus, methicillin resistance 8808.
man, vaccination, Neisseria meningitidis vaccines methodology, antigens 10252.
mastitis, Staphylococcus aureus, Streptococcus, cattle 13399.
meningitis, bacteria, man 6240.
meningitis, Flavobacterium meningosepticum, man, case reports, New Caledonia 2127.
meningitis, meningoencephalitis, Listeria monocytogenes, man 2116.
meningitis, Streptococcus pneumoniae, man 2117.
mycobacteriosis, Mycobacterium avium-intracellulare, Mycobacterium intracellulare, man, South Africa Rep. 6256.
mycobacteriosis, Mycobacterium kansasii, drinking water, man 6257.
Mycobacterium bovis, tuberculosis, Meles meles 7228.
Mycobacterium tuberculosis, infection, man, Asia 13268.
Neisseria gonorrhoeae, agglutination, man, Sweden 36.
Neisseria gonorrhoeae, Neisseria meningitidis, man 920.
Neisseria gonorrhoeae, serotyping, auxotrophy typing, man, Sweden 33.
Neisseria meningitidis, family studies, man 2251.
neurosyphilis, man, Denmark 907.
neurosyphilis, Treponema pallidum, incidence, diagnosis, man, Finland 10432.
nocardiosis, Nocardia asteroides, immunocompromised hosts, immunological aspects man 6196.
nosocomial infection, bacteremia, gram-negative bacilli, man, reviews 11867.
nosocomial infection, bacteria, biotyping, serotyping, methodology 9577.
nosocomial infection, bacteria, disease control, man 11977.
nosocomial infection, colonization, Pseudomonas cepacia, epidemiology, hospitals, man, USA, Virginia 10535.
nosocomial infection, gastroenteritis, bacteremia, bacteria, man 10506.
nosocomial infection, incidence, risk factors, man, USA 10522.
nosocomial infection, infants, man 964.
nosocomial infection, Klebsiella, gentamicin, antibiotic resistance, plasmids, man 10021.
nosocomial infection, man, hospitals, Israel 10515.
nosocomial infection outbreaks, Salmonella heidelberg, penicillinase, plasmids 10594.
nosocomial infection, relationship, wound infection, surgery, man 10509.
nosocomial infection, statistical analysis, factors affecting, man, hospitals, reviews 10521.
nosocomial infection, surveys, man, conferences 10844.
oral infection, plaque index, Streptococcus mutans, man 704.
Oryza sativa wilt, Xanthomonas campestris, incidence 9408.
paratuberculosis, man 2294.
paratyphoid, Salmonella paratyphi, cholecystectomy association, man 10375.
pasteurellosis, Pasteurella multocida, Aves, British Isles 7268.
pelvic inflammatory disease, man, USA 853.
pelvic inflammatory disease, man, USA 854.
periodontal diseases, bacteria, Sweden, adolescence 11693.
periodontal diseases, man, India 735.
pertussis, man 1977.
plagues, bacteria, aircraft role, man 13300.
pneumonia, man, infection, Streptococcus pneumoniae 11706.
pneumonia, nosocomial infection, gram-negative bacilli, man, reviews 11699.
Proteus infection, man 10559.
Proteus morganii infection, Thunnus, histamine release, food poisoning, man 13367.
pseudomembranous colitis, Clostridium difficile, association, antibiotics, man 7017.
psittacosis, salmonellosis, pertussis, man, British Isles 10476.
psitticosis, Chlamydia psittaci, zoonoses, man 9293.
Reiter's disease, man, association, shigellosis 11807.
relationship, Escherichia coli plasmids, enterotoxins, antigen K, colicins, pigs 9863.
respiratory tract infection, models, seasonal variations, hospitals, man 6188.
rheumatic fever, man, prevention 10589.
Salmonella clinical isolates, serotyping, man 9220
Salmonella enteritis, children, Austria 7020.
Salmonella, incidence, isolation, British Isles 7277.
Salmonella infection, animals, clinical aspects, British Isles 7243.
Salmonella, infection, dogs 4564.
Salmonella infection, immunological aspects, infants, man 11958.
Salmonella, infection, Italy 3514.
Salmonella infection, juveniles, cattle 10659
Salmonella infection, man, France 10450.
Salmonella, pigs 2377.
Salmonella typhi strains, identification, use, phage typing 3800.
Salmonella typhimurium salmonellosis, imported diseases, Psittacus erithacus 9366.
Salmonella weltevreden, phage typing, India 44.
Salmonellosis, cattle 13410.
salmonellosis, man, Salmonella typhimurium phage 199, phage typing 11296.
salmonellosis, salmonella, isolation, clinical aspects, man 11754.
scrub typhus, murine typhus, Indonesia 13338.
septicemia, Erwinia herbicola, children, case reports 3516.
septicemia, gram-negative bacteria, man 9272.
septicemia, nosocomial infection, bacteria, man 1042.
septicemia, nosocomial infection, intensive care units, neonates, man 972.
Serrata nosocomial infection, hospitals, man 10564.
Serratia marcescens nosocomial infection, Veterinary medicine hopsitals, dogs, cats 4565.
sexually transmitted disease, man, Africa 2173.
sexually-transmitted diseases, clinical aspects, man, reviews 7081.
sexually-transmitted diseases, man, world 13236.
Shigella, clinical isolates, serotyping, man 9219.
skin diseases, bacteria, children, Brazil 11664.
skin mycobacteriosis, swimming pools, chlorination effects on, man, France 3276.
skin mycobacteriosis, swimming pools, chlorination effects on, man, France 3276.
skin tuberculosis, man, German Dem. Rep. 11660.
Staphylococcus aureus, furunculosis, man 1935.
Staphylococcus aureus, isolation, nosocomial environments 10822.
stem rot, Sclerotium oryzae, burning, crop residues, Oryza sativa 13445.
Streptobacillus moniliformis, Spirillum minor, infection, diagnosis, charaterization 11984.
Streptococcus group A, rheumatic fever, man, USA, Mississippi 2300.

Epidemiology, (continued)
  streptococcus group B disseminated infection, man, British Isles 8042.
  Streptococcus group B infection, neonates, man 11881
  Streptococcus group B, sepsis, meningitis, neonates, man 2123.
  Streptococcus, pharyngitis, South Africa 783
  Streptococcus pneumoniae diseases, children, infants, man 7198.
  Streptococcus pneumoniae diseases, conferences 7350.
  Streptococcus pneumoniae diseases, man, developing countries 7194
  Streptococcus pneumoniae infection, man, vaccines treatment 7980.
  Streptococcus pneumoniae, pneumonia, nosocomial infection, geriatrics, man 2012.
  sucrose effects on dental caries, bacteria, children 11696.
  syphilis, man, statistical analysis 10436.
  tetanus, neonates, man, British Isles 1032
  toxic shock syndrome, man 10122.
  toxic shock syndrome, man 12988.
  toxic shock syndrome, statistical analysis methodology, man, USA 10121.
  trachoma, congenital infection, man 13235.
  treatment, gonorrhea, genital tract infection, man, case surveys, British Isles 8028
  Treponema pallidum, syphilis, man, Upper Volta 4456
  tuberculosis, Asia immigrants, British Isles 11971
  tuberculosis, British Isles, man 10341
  tuberculosis, children 13280
  tuberculosis, man 6968
  tuberculosis, man, reviews 7197.
  tuberculosis, Mycobacterium tuberculosis, localization, clinical aspects, man 6298.
  tuberculosis, vaccination, man 13056
  tuberculosis, zoological gardens animals, immunoassays 7913.
  typhoid fever, man, South Africa 4473
  urinary tract infection, man, Libya, Arab Rep. 4437.
  Vibrio cholerae gastroenteritis, man, USA 815
  Vibrio cholerae infection, man, disease transmission, surface water 13160
  Vibrio infection 11929
  water pollution, bacteria 6443
  yaws, man, Ghana 4522.
  Yersinia enterocolitica infection, man, Germany, Fed. Rep. 2302.
  zoonoses, domestic animals, man 13269
Epidermis,
  growth factors, association, teleocidin, Streptomyces, tumorigenesis, hepatoma cells, rats 9818
Epididymitis,
  Brucella ovis, immunodiagnosis, enzyme-linked immunosorbent assay, immunofluorescence, complement fixation, sheep 13409.
  Chlamydia trachomatis, clinical aspects, treatment, males, man 9154.
  Escherichia coli, clinical aspects, pathology, sheep 12067.
  etiology, treatment, man 13233.
Epidomics,
  association, cholera, Vibrio cholerae, tetracycline prophylaxis, man 10367.
Epiglottitis,
  Haemophilus influenzae, treatment, man 13127.
9-Epileucomycin A,
  synthesis, antibacterial activity 8782
Epimerase,
  Azotobacter vinelandii, formation, activity 11214.
Epinephrine,
  effects on prostaglandin E_2, cyclic AMP, levels, periodontitis, man 716.
Epiphytes,
  bacteria, ecological distribution, phylloplanes 12121
  Potamogeton crispus leaves, bacteria, algae, pathology, lakes, South Africa Rep. 13425.
Epithelium,
  adherence, Escherichia coli, urinary tract recurrent infection, man 11824.
  cells, adherence, Vibrio parahaemolyticus, relationship, pathogenicity, in vitro, in vivo 3821
  cells, cattle mammary gland, cell adhesion, Streptococcus agalactiae 12051
  cells, man, Bacteroides, adherence 1363
  cells, pharynx, Streptococcus pyogenes adherence, cell membranes, antibiotics effects on, in vitro 5051.
  cells, protection, Vibrio cholerae infection, hemagglutinins association 11612.
  cells, Yersinia enterocolitica adherence, role, Pili 5623
  duodenum, chickens, Streptococcus faecium, adherence, role, colonization, gnotobiotics 3809.
  genital tract, Mycoplasma pulmonis adherence, mycoplasmosis, mice 10695
  gut, Pieris rapae, Lymantria dispar, Ephestia cautella, histopathology, Bacillus thuringiensis δ-endotoxin 10096.
  intestine, colon microflora effects on, physiology, man 11659.
  intestine, electrolyte balance, rabbits, Vibrio cholerae toxins effects on 12978.
  intestine, shedding, chlorpromazine induction association, Escherichia coli enterotoxins diarrhea, rats 11517.
  keratinocytes, bacteria extracts effects on 11683.
  leukocytes (granulocytic) adherence, endotoxins effects on 10090.
  mouth, Haemophilus influenzae adherence, association, pathogenesis, man 10322.
  oral cavity, saliva effects on Klebsiella adherence, man 10967.
  Peyer's patches, receptors, Vibrio cholerae enterotoxins, guinea-pigs 12979
  pharynx, cells, Streptococcus group A adherence, role, polysaccharides 4735.
  rabbits intestine, cyclic AMP levels, stimulation Aeromonas hydrophila enterotoxins 8882.
  rats liver, Vibrio cholerae toxins effects on cyclic AMP levels 10132.
  regeneration, mammary gland, Escherichia coli, mastitis, ultrastructure, experimental infection, cattle 2365.
  respiratory tract, Mycoplasma adherence, models, Mycoplasma adherence erythrocytes 9601.
  small intestine, Lactobacillus, Torulopsis pintolopesii, movement rates, gnotobiotics (germfree) cells effects on, mice 10724.
  trachea, Pseudomonas aeruginosa adherence, clinical isolates, hamsters 9583.
  urinary bladder, Escherichia coli infection, mucopolysaccharides, characterication, rats 11829
  urinary bladder, gram-negative bacteria, pathology, experimental infection, rats 2104.
  urinary bladder, leukocytes (polymorphonuclear), immune response, Escherichia coli experimental infection, rats 5239.
  urinary tract, adherence, Escherichia coli 92.
  urinary tract, adherence, Escherichia coli, pili, association, pyelonephritis, children 3387.
  urinary tract, adherence, Escherichia coli, urinary bladder irrigation effects

Epithelium, (continued)
    on, animal models, man 9605
  vagina, cells, bacteria, fungi, adherence 4721.
Epizootics,
  diagnosis, serological tests, domestic animals 3165.
  outbreaks, Mycoplasma mycoides subsp.mycoides, goats 10687.
Epizootiology,
  bacteria, disease control, domestic animals 10644.
  chlamydiosis, Chlamydia, Columbidae, Psitticiformes 6370.
  Haemophilus somnus, isolation, cattle semen 9355.
  keratoconjunctivitis, Moraxella bovis, cattle 4592
  Mycoplasma gallisepticum, treatment, turkeys 6349.
  pathogenicity, mycoplasmosis, chickens 10688.
  pneumonia, Bordetella bronchiseptica, lesions, pathology, guinea-pigs 10677.
Epoxidation,
  dehydrocamphor, kinetics, reconstitution cytochrome P450, Pseudomonas putida 6534.
3,4-Epoxycyclopentapyrene,
  point mutation, lacI gene, DNA, Escherichia coli 11052.
Epstein-Barr virus,
  transformed cells, lymphocytes B, production, monoclonal antibodies, toxoids, Clostridium tetani 3166
Equipment,
  antibacterial activity, antibiotic sensitivity testing, Staphylococcus epidermidis, Providencia 304.
  bacteria inoculation, plant diseases 9395.
  endoscopy, disinfection, antibacterial activity, Dettox ABC 10028.
  monitoring, Clostridium sporogenes, spore outgrowth, methodology 2501.
  orthodontics, relationship, incidence, Streptococcus mutans, dental plaque, tooth, man 4378.
Eradication,
  tuberculosis, cattle 2334.
Eragrostis tef,
  cell walls, biodegradation, rumen microorganisms 5680.
Erio acid red XB 400 dye,
  antibacterial activity, Bacillus thuringiensis, spores, photoinactivation 3101.
Erwinia,
  antibacterial activity, aminoglycoside antibiotics 6783
  antibiotic SQ 27,860 isolation, characterization 11345.
  opportunistic infection, wetwood, association dieback, Abies alba 10753.
  sensitivity, phage Mu 1649.
Erwinia amylovora,
  agglutination, Malus seeds plant extracts, characterization 4719.
  cell walls receptors, Malus agglutinins, characterization 4944.
  infection, effects on apples leaves ultrastructure 6403.
  infection routes, Malus pumila 1152.
  polysaccharides, pathogenesis, xylem, Malus pumila, electron microscopy 3662.
  polysaccharides, role, infection, xylem, Malus pumila 4604.
  Pyrus communis fireblight, association, streptomycin resistance 8806.
Erwinia aroideae,
  infection, Allium cepa, antibacterial activity, thiosulfonic acid 12948
Erwinia carotorova,
  decay, Daucus carota 4602.
Erwinia carotovora,
  antibacterial activity, phytoalexins, Glycine max, characterization 3102.
  bactericidal activity, dichlorophen, effects on, healing, tubers, Solanum tuberosum 2406
  ColVBtrp maintenance 282.
  DNA replication origin, isolation, nucleotide sequence 5698.
  effects on Ipomoea batatas phytoalexins biosynthesis 8143.
  infection, Allium cepa, antibacterial activity, thiosulfonic acid 12948
  infection, Brassica oleracea, Lycopersicon esculentum, antibacterial activity, herbicides, effects on disease resistance 13433.
  infection, phages, DNA characterization 8712.
  isolation, blight, Manihot esculenta, symptoms 9387.
  role, phytoalexins induction, plants, antibacterial activity 8147.
  soft rot, antibacterial activity, 8-hydroxyquinoline, anthium dioxcide, chlorine dioxide, virginiamycin, acetaldehyde, Solanum tuberosum 3657.
  soft rot, nutrient requirements, taxonomy, Beta vulgaris 1326.
  transmission, fluorescent antibody test, association, plants pathology 12109.
Erwinia carotovora subsp.atroseptica,
  transmission, Drosophila melanogaster, temperature effects on 5498.
Erwinia carotovora subsp.beta vasculorum,
  soft rot, incidence, Beta vulgaris, nitrogen fertilizers, spatial distribution, effects on 1153.
Erwinia carotovora subsp.betavasculorum subsp.nov.,
  soft rot, nutrient requirements, taxonomy, Beta vulgaris 1326.
Erwinia carotovora subsp.carotovaora,
  soft rot, latent infection, post-harvest decay, host-pathogen interactions, Lycopersicon esculentum 3658
Erwinia carotovora subsp.carotovora,
  infection, Lycopersicon esculentum, pathogenesis 12102.
  infection, Lycopersicon esculentum, pathogenesis, mathematical models 7306.
  transmission, Drosophila melanogaster, temperature effects on 5498.
  wilt, Helianthus annuus 9397.
Erwinia carotovora var. chrysanthemi,
  infection, Zea mays, association, injuries 9422.
Erwinia carotovora var.chrysanthemi,
  stalk rot, virulence, Zea mays 7298.
  survival, soil 7323.
Erwinia chrysanthemi,
  inoculum concentration, water, effects on infecion, Philodendron selloum 9421.
  pectate lyase biosynthesis, water± sodium chloride, effects on 12681.
  survival, association, Philodendrom selloum infection 12106.
Erwinia crysanthemi,
  exo-poly-α-D-galacturonidase, role, pectate lyase, biosynthesis 9734.
Erwinia herbicola,
  association, cotton, electron microscopy, ultrastructure 5604.
  fructan, characterization 12707.
  infection, Allium cepa, antibacterial activity, thiosulfonic acid 12948.
  infection, Antirrhinum leaf rust, microflora, association 13426.
  lipopolysaccharides, toxicity, structure 5176.
  pigmentation, thiamine phototrophy, regulation, plasmids 12448.
  population dynamics, Avena sativa 1148.
  septicemia, diagnosis, Epidemiology, immune response, treatment, children, case reports 3516.

Erwinia herbicola, (continued)
- stalks, leaves, necrosis, Allium cepa 10743.

Erwinia salicis,
- antigens, detection, enzyme-linked immunosorbent assay, Salix alba leaves 8149.
- watermark disease. Salix alba 6396

Erwinia stewartii,
- wilt, blight, pathogenesis, Zea mays, disease resistance, pathophysiology 13431
- wilt, Zea mays, ultrastructure, electron microscopy 7303.

Erwinia tracheiphila,
- infection, Cucumis sativus, disease resistance, defense mechanisms, proteins, purification, characterization 8141
- inoculation, Cucumis melo, seedlings, wilt, disease resistance, methodology 13444.

Erysipelas,
- man, clinical aspects 11913.
- Streptococcus pyogenes, association, bursitis, case reports, man 6944.
- treatment, vaccination, pigs 4329.

Erysipelothrix insidiosa,
- experimental infection, mezlocillin treatment, mice 13261.

Erysipelothrix rhusiopathiae,
- animal isolates, pigs, methodology, detection, isolation 4706
- enzymes 11215
- experimental infection, stimulation arthritis, rabbits 13397.
- +hog cholera virus, combined vaccines, prophylaxis, hog cholera, swine erysipelas, pigs, field trials 632.
- infection, Phasianus colchicus, Anatidae, characterization 12045.
- isolation, identification, characterization 10904
- media (culture) 6461
- neuraminidase, activity, substrate specificity 6644.
- protection antigens, characterization 13000
- protection antigens, detection methodology, identification 11562.
- serotypes, incidence, pigs, USA, USA, Puerto Rico 1319.
- vaccination+antibiotics, immunosuppression, mice 646.
- vaccination, +medicine feed additives, swine erysipelas prophylaxis, immune response, pigs 5255.
- vaccination, pigs, evaluation, immunization (passive), mice 13059.
- vaccination, pigs, mice, susceptibility, infection 626.
- vaccines+penicillin derivatives, immunosuppression, mice 623.

Erythema,
- Rickettsia isolates, antigenic relationship, Rickettsia akari, Coxiella burnetii, man 13001

Erythema mulitiforme,
- bacteria, man, reviews 13087.

Erythema multiforme,
- association, legionnaires disease, children, case reports 6994.

Erythema nodosum,
- markers, lung tuberculosis, children 9105.

Erythema nodosum leprosum,
- eye pathology, man, case reports 6146.
- histopathology, relationship, ethnic groups, man 688.
- kidney pathology, man 693.
- relationship complement C3d, man 10227.

Erythrobacter longus gen.nov. sp.nov.,
- characterization, association, bacteriochlorophyll a, isolation, Enteromorpha linza, Porphyra 9541.

Erythrocyes,
- hemolysis, Vibrio vulnificus strains 7467.

Erythrocytes,
- antigen O attachment, Salmonella antibodies hemagglutination, immunosuppression, aminoglycoside antibiotics, polymyxin B 7921.
- antigen T activation, blood transfusion reaction, anaerobic bacteria, infection, man 13252.
- attachment, Mycoplasma gallisepticum, role, membranes, proteins 2620.
- Escherichia coli cell adhesion, infants man, diarrhea 7027.
- ghosts, reconstitution, phospholipase C, anions inhibition, Bacillus cereus 11163.
- ionophores, N,N'-dicyclohexylcarbodiimide, effects on Mycoplasma gallisepticum adherence 10962
- Limulus polyphemus, endotoxins assays, serum, man 3119.
- lysis, association, Anaplasma marginale purification, methodology 8251.
- lysis, hemolysins, Aeromonas hydrophila 5158.
- lysis, Streptococcus streptolysin O 11507.
- man, Bacteroides, adherence 1363.
- membrane protein, cattle, Anaplasma marginale effects on infection 7240.
- Mycoplasma adherence, models, adherence respiratory tract epithelium 9601.
- Neisseria gonorrhoeae receptors, detection, concanavalin A, lectins, effects on, man 1359.
- plasma membranes, adenylate cyclase interaction Vibrio cholerae toxins 6003.
- rosette formation, lymphocytes T subpopulations enumeration, cerebrospinal fluid, man, meningitis 7936.
- sheep, Klebsiella pneumoniae infection, polysaccharides, effects on, antibody response 11626.
- sheep, use, passive hemagglutination, antibodies detection, Mycoplasma mycoides subsp.mycoides, infection, cattle, immune response 11628.
- sialic acid, role, adherence, Mycoplasma pneumoniae 11546.

Erythrodermatitis,
- bacteria, etiology, Cyprinus carpio 4584.

Erythroleukemia,
- induction, Rauscher leukemia virus+Listeria, immunosuppression, mice 13372.

Erythromycin,
- acne treatment, man 1937.
- antibacterial activity, antibiotic resistance, Streptococcus group A 1747.
- antibacterial activity, bacteria, fish diseases 3001.
- antibacterial activity, Bacteroides fragilis clinical isolates 367.
- antibacterial activity, Bacteroides fragilis, Fusobacterium, anaerobic conditions, carbon dioxide, effects on 6813.
- antibacterial activity, Escherichia coli, effects on enzymes biosynthesis 7797.
- antibacterial activity, Haemophilus influenzae, respiratory tract isolates 3031.
- antibacterial activity, Legionella micdadei, in vitro 9932.
- antibacterial activity, Legionella pneumophila 7798.
- antibacterial activity, Mycoplasma pneumoniae, in vitro 318.
- antibacterial activity, Neisseria gonorrhoeae, 5050.
- antibacterial activity, Neisseria gonorrhoeae, treatment, gonorrhea, man 5095.
- antibacterial activity, respiratory tract bacteria, man 805
- antibacterial activity, Staphylococcus aureus, Streptococcus, Haemophilus influenzae 12907

Erythromycin, (continued)
- antibacterial activity, Streptococcus group A, in vitro 342.
- antibiotic resistance, clinical isolates, Haemophilus influenzae, Streptococcus pneumoniae, Streptococcus group A, Staphylococcus aureus, agar dilution test 7832.
- antibiotic resistance, Escherichia coli, plasmid pSM7322 1685.
- antibiotic resistance, plasmid pNE131, Staphylococcus epidermidis, characterization, nucleotide sequence 2947.
- antibiotic resistance, plasmids, Bacteroides fragilis, clinical isolates, transfer 3048.
- antibiotic resistance, plasmids mediation, transfer, Bacteroides, Escherichia coli 2929.
- antibiotic resistance, plasmids, staphylococcus, plasmid pSA5700, replication, Streptococcus pneumoniae, Escherichia coli 8739.
- antibiotic resistance, role, plasmids, Staphylococcus aureus 1672.
- antibiotic resistance, rRNA operons, mutation, Escherichia coli 12741.
- antibiotic resistance, Staphylococcus aureus 380.
- antibiotic resistance, Staphylococcus aureus, burn patients 8793.
- antibiotic resistance, Staphylococcus aureus, man 406.
- antibiotic resistance, Streptococcus group A pharyngitis, man, case reports 9106.
- antibiotic resistance, Streptococcus pneumoniae, strains, serotyping 9999.
- antibiotic sensitivity testing, antibiotic resistance, Haemophilus, Bacteroides, Campylobacter 4182.
- antibiotic sensitivity testing, Bordetella pertussis, clinical isolates 7769.
- antibiotic sensitivity testing, Mycobacterium, clinical isolates 8756.
- antibiotic sensitivity testing, Streptococcus group D clinical isolates 5905.
- biosynthesis, bacteria mutants, screening methodology 5042.
- biosynthesis, Streptomyces erythraeus, intermediates, activity 9909.
- biosynthesis, Streptomyces erythreus, optimum, nutrient requirements, mathematical models 8748.
- characterization, treatment, antibacterial activity, bacteria infection, man 11411.
- clinical isolates, Bacteroides fragilis, antibiotic sensitivity testing 11386.
- clinical trials, enteritis, Campylobacter jejuni, man 9134.
- +colistin, antibiotic synergism, Serratia marcescens 5049.
- comparison, antibacterial activity, josamycin, Staphylococcus 366.
- comparison, cotrimoxazole, amoxicillin, treatment, respiratory tract infection, bacteria, children 11733.
- comparison, tetracycline, treatment, trachoma, children 13310.
- effects on lipase biosynthesis, Propionibacterium acnes 1735.
- Neisseria gonorrhoeae, antibiotic sensitivity testing 1728.
- Neisseria gonorrhoeae, antibiotic sensitivity testing, Nigeria 1731.
- +penicillin, +ampicillin, +gentamicin, antibacterial activity, Listeria monocytogenes, growth 9963.
- production, Streptomyces erythreus, association, plasmids characterization 7696.
- prophylaxis, bacteria, kidney diseases, eggs, Oncorhynchus kisutch, factors affecting 3588
- Propionibacterium acnes, antibiotic resistance 11439.
- resistant mutant, Rhizobium, isolation, characterization 6820.
- role, leukocytes (polymorphonuclear) phagocytosis Streptococcus pyogenes 10222.
- Shigella susceptibility 6815.
- Staphylococcus aureus, antibiotic resistance 11441.
- Staphylococcus aureus, antibiotic sensitivity testing 3107.
- Staphylococcus sensitivity 11428.
- Streptococcus pneumoniae, antibacterial activity, in vitro 389.
- Streptomyces erythraeus antibiotic resistance, association adenine dimethylation 12935.
- Streptomyces erythreus, biosynthesis, antibiotic resistance role membranes, ribosomes, protein biosynthesis 7840.
- sulfisoxazole, antibacterial activity, Streptococcus pneumoniae clinical isolates 7799.
- +tetracycline, treatment, Mycoplasma pneumoniae pneumonia, Ureaplasma urealyticum prostatitis, hamsters 10340.
- topical application, treatment, acne, man 3283.
- topical applications, treatment, acne, man 11662.
- treatment, acne, man 683.
- treatment, bacteria infection, children 9242.
- treatment, Bordetella pertussis, pertussis, children, man 4385.
- treatment, Campylobacter fetus subsp.jejuni gastroenteritis, characterization, man 6209.
- treatment, diarrhea, effects on Campylobacter fetus subsp.jejuni excretion, feces, man 3364.
- treatment, genitourinary tract infection, Chlamydia trachomatis, females, case reports, man 10390.
- treatment, Legionella micdadei, pneumonia, man 4396.
- treatment, man, effects on, salivary microflora, fecal microflora 9069.
- treatment, man, genital tract infection, Chlamydia trachomatis 9187.
- treatment, periodontal diseases, bacteria, reviews, man 6954.
- treatment, pharyngitis, Streptococcus group A, children 10336.
- treatment, Propionibacterium acnes, acne, antibacterial activity, man 1927.
- treatment, trachoma, man 2199.
- treatment, traveller's diarrhea, Escherichia coli, effects on, microflora, man 11769.
- Ureaplasma urealyticum, antibiotic sensitivity testing, antibacterial activity 306.

Erythromycin F,
- Streptomyces erythraeus, biosynthesis 11365.
- Streptomyces erythreus, biosynthesis 7742.

Erythromycins,
- treatment, Streptococcus, Staphylococcus, infection, man 3467.

Erythronolide B,
- activity, Streptomyces erythraeus, erythromycin biosynthesis 9909.

Erythrosine,
- antibacterial activity, microflora, cecum, stomach, rats 6322.

Erythrura pasina,
- isolation, Salmonella typhimurium 7256.

Escherichea coli,
- meningitis, clinical aspects, man, case reports 11839.

Escherichia coli,
- induction, enzymes biosynthesis, catabolite repression, association, cyclic AMP 8622.
- mutants, selenalysine metabolism, association, growth, protein biosynthesis 8463.
- serotypes, clinical isolates, gentiourinary tract infection, man, Hong Kong 9156.

Escherichia coli,
- abdominal diseases, characterization, diagnosis, treatment 13311.

- abdominal diseases, characterization, diagnosis, treatment 13311.

Escherichia coli, (continued)
abscesses, appendix, man, case reports 6310.
abscesses, kidney transplantation, diagnosis, computed tomography, man, case reports 866.
abscesses, liver, neonates, man 961.
abscesses, skin, etiology, children 680.
acetate kinase, inactivation 2,3-butanedione, phenylglyoxal 3976.
acetohydroxy acid synthase, ilv locus, valine, inhibition 8684.
acetone inactivation ribosomes, aminoacyl-tRNA synthetase 2750.
acetylvalyl-tRNA, cross-linking rRNA 18S, ribosomes Saccharomyces cerevisiae, chloroplasts Spinacia oleracea, structure determination 9685
Acinetobacter, beef sterilization 5146.
acne, treatment, doxycycline, man 1942.
acridine+U.V. radiation, effects on repair mechanisms 5982
acriflavin sensitivity, liquid culture, effects on photoinduction damage repair mechanisms 7866.
acyl-CoA dehydrogenase (NADP+), purification, characterization 11201
acyl-CoA synthetase, purification, characterization 4853.
adenine toxicity, mechanisms 6528.
adenosinetriphosphatase α-subunit defective mutant, subunits interaction 4859.
adenosinetriphosphatase, γ-subunit, physicochemical properties, interaction ε-subunit 8554
adenosinetriphosphatase, α-subunit, structure 8594.
adenosinetriphosphatase, active sites characterization, chemical modification 7616.
adenosinetriphosphatase, affinity labelling, ADP, ATP 1554.
adenosinetriphosphatase, characterization 4854.
adenosinetriphosphatase deficient mutant, arsenate resistance, plasmid R773 12960
adenosinetriphosphatase deficient mutant effects on protons gradients, vesicles 6506.
adenosinetriphosphatase, N,N-dicyclohexylcarbodiimide solution, structure, X-ray scattering 6647
adenosinetriphosphatase, protein biosynthesis regulation 12638.
adenosinetriphosphatase, purification, characterization 2748.
adenosinetriphosphatase, reconstitution, light scattering 6651.
adenosinetriphosphatase subunit structure, alleles effects on, characterization 1589.
adenosinetriphosphatase, subunit structure, X-ray scattering 4061.
adenosinetriphosphatase subunits 11204.
adenosinetriphosphatase subunits genes, DNA nucleotide sequence 6722.
adenosinetriphosphatase subunits genes DNA nucleotide sequence, predictions amino acid sequence, secondary structure 6721.
adenosinetriphosphatase subunits, purification, characterization 11170.
adenosinetriphosphatase subunits, purification, characterization 11186.
adenosinetriphosphatase, subunits stoichiometry 8564.
adenylate cyclase, biosynthesis, enzymes, carbohydrates transport 4732.
adenylate cyclase biosynthesis, regulation, cya gene, lactose operon, gene fusion, gene products 12671.
adenylate cyclase characterization 8609.
adenylate cyclase defective mutant, guanylate cyclase activity 256.
adenylate cyclase regulation 12660.
adenylate cyclase regulation, sugars transport 9599.
adenylate kinase, role phospholipids biosynthesis 8624
adherence, association, menstrual cycle, man 5629
adherence, association, respiratory tract infection, man, animal models 10319.
adherence, cells, monolayers, analysis, Michelis-Menten parameters, gastrointestinal tract, man 1336.
adherence, epithelium, urinary tract, urinary bladder irrigation effects on, animal models, man 9605.
adherence, urinary tract epithelium, mucus 92.
adherence, vagina epithelium cells in vitro 4721.
adsoption phage fd, role protein A N-terminus fragments, purification 6727.
affinity labelling rRNA 23S, tRNA binding sites 11073.
agalactia, pigs 1112.
Agaricales antibacterial activity, Pinus radiata association 7859
alafosfalin, antibacterial activity 5070.
alanine dehydrogenase, dad gene, aln A gene, characterization 2879.
alanyl-tRNA synthetase genes DNA nucleotide sequence, comparison amino acid sequence 4926.
alanyl-tRNA synthetase, 5-bromouridine adducts formation, effects on activity 9682
alkaline phosphatase, cooperativity, kinetics 11153.
alkaline phosphatase, kinetics, comparison periplasmic space, plasma membranes 12583.
alkaline phosphatase, phosphorescence 4911.
amber mutant, tyrosine suppressors tRNA genes, cloning 1621.
Amblyosporium spongiosum antibiotic 8006-I antibacterial activity 7812.
amidase, immobilized enzymes, properties 4045.
amikacin 3'-phosphotransferase, localization 1501.
D-amino acid dehydrogenase, reconstitution, membrane vesicles 3808.
amino acid sequence, active sites, penicillinase, chromosomes 9744.
amino acid sequence, glutamine binding proteins 1473
amino acid sequence, N-terminus, penicillin-binding protein 9700.
amino acid sequence pili structural proteins 11104.
amino acid starvation, association, proteins misreading 5720.
amino acid starvation effects on cell size 12428.
amino acids, biosynthesis, N.M.R. 5733.
amino acids, transport 70.
aminoacyl-tRNA synthetase complex, dissociation, elongation factors, initiation factors 2713.
aminoacyl-tRNA synthetase, substrate specificity 3979.
aminoacyl-tRNA synthetase substrate specificity, association ATP analogs 5741.
aminoglycoside adenylyltransferase, purification, substrate specificity 1485.
aminoglycoside antibiotics, antibiotic resistance enzymes 10011.
aminoglycoside antibiotics resistance, role, membrane potential 9985.
aminopeptidase P, assays, fluorometry 11167.
aminosidine+doxorubicin antibacterial activity, drug synergism 3076.
ampC gene, DNA nucleotide sequence, gene amplification 2878.
ampicillin, amoxycillin, antibacterial activity, in vitro, in vivo 5062.
ampicillin antibacterial activity, in vivo simulations 9973.
ampicillin antibiotic resistance, caecum, pigs 10639.
ampicillin antibiotic resistance, transposons, transcription 9871.
angelicin derivatives effects on DNA 11456.
anilazine effects on growth 12944.

Escherichia coli, (continued)
animal isolates, antibiotic resistance, antibiotic sensitivity testing, surveys 12930.
animal isolates, domestic animals, antibiotic sensitivity testing, Netherlands 3000.
animal isolates, pigs, transfer, R factors, Ent plasmid, enterotoxins 5014.
antagonism, Lactobacillus, digestive tract, sheep, gnotobiotics (germfree) 1125.
anthranilate synthase levels, regulation, limiting factors, glucose, chemostat culture, batch culture 1529
antibacterial activity, 3',4'- dideoxyparomomycin analogs 7774.
antibacterial activity, β-lactam antibiotics 12903.
antibacterial activity, amniotic fluid, man 3105.
antibacterial activity, antibiotic HR 756 1729.
antibacterial activity, antibiotic 6059-S, in vitro, treatment, infection, man 1744.
antibacterial activity, antibiotic 8006-I 11422.
antibacterial activity, antibiotics, temperature effects on 5053.
antibacterial activity, captan, effects on RNA biosynthesis 8500.
antibacterial activity, cefadroxil 3015.
antibacterial activity, cefadroxil, in vitro 354.
antibacterial activity, cefatrizine 329.
antibacterial activity, cefotaxime 1724.
antibacterial activity, cefotaxime, cephalosporins 5914,
antibacterial activity, cefotiam 1721.
antibacterial activity, cefotiam 2191.
antibacterial activity, cefotiam 6800
antibacterial activity, ceftizoxime, cefazolin 1708.
antibacterial activity, cephalexin+flucloxacillin 6793.
antibacterial activity, cephaloridine, cephalexin, cefuroxime, in vitro, in vivo 7777.
antibacterial activity, cephalosporins, penicillin-binding protein effects on 4181.
antibacterial activity, cephalothin 353.
antibacterial activity, cinodine, mechanisms 1742.
antibacterial activity, detergents 10030.
antibacterial activity, erythromycin, effects on enzymes biosynthesis 7797.
antibacterial activity, extracts, Chlorophyceae, Rhodophyceae 5141.
antibacterial activity, fatty acids, structure-activity relationships 10048.
antibacterial activity, gallic acid derivatives 3099.
antibacterial activity, hypothiocyanite anions 1779.
antibacterial activity, insulin additives, phenol+glycerol, +zinc 4203.
antibacterial activity measurement, enumeration spiral plater 5927.
antibacterial activity, mecillinam 338.
antibacterial activity, mecillinam, urinary tract isolates 335.
antibacterial activity, meclocycline, potentiation, association, propyl gallate 8790.
antibacterial activity, milk, colostrum, pigs 8848.
antibacterial activity, oxanosine 3040.
antibacterial activity, phytoalexins, Glycine max, characterization 3102.
antibacterial activity, seawater+plankton+man feces 1784.
antibacterial activity, serum, meat extracts, rabbits 7865
antibacterial activity, sugars derivatives, 4-nitrophenylhydrazones, N-4-nitrophenylhydrozones, isonicotinoylhydrazones 8847.
antibiotic resistance, β-lactam antibiotics 5958.
antibiotic resistance, ampicillin, Haemophilus ducreyi, plasmids, transfer 7697.
antibiotic resistance, association, diarrhea, children 5957.
antibiotic resistance, drug resistance, incidence, chickens, pigs, British Isles 3063.
antibiotic resistance, gentamicin, induction, light 383.
antibiotic resistance, incidence, chickens 5116.
antibiotic resistance, incidence, military personnel, institutions, man, Switzerland, surveys 3072.
antibiotic resistance, moxalactam, effects on penicillin-binding protein, membrane structure 6832.
antibiotic resistance mutants, carbenicillin, porins levels 246.
antibiotic resistance, phage ZAR_2 resistance 4125.
antibiotic resistance, plasmids transfer Salmonella 11327.
antibiotic resistance, population studies 12926.
antibiotic resistance, R factors transfer, feeds isolates 5113.
antibiotic resistance, streptothricin, screening 3051.
antibiotic resistance, tetracycline, in vitro 381.
antibiotic resistance, tetracycline transposition, transposons 1523, role plasmid pIP112 6766.
antibiotic resistance, transfer, R factors, Staphylococcus aureus 2880.
antibiotic sensitivity testing, β-lactam antibiotics, mecillinam, drug sensitivity testing, nalidixic acid, co-trimoxazole 4169.
antibiotic sensitivity testing, association, trimethoprim, hospitals 11458.
antibiotic sensitivity testing, disc-diffusion test 9922.
antibiotic sensitivity testing, drug sensitivity testing, role, media 377.
antibiotic sensitivity testing, mezlocillin disc-diffusion test 6791.
antibiotic 6059-S, antibacterial activity, treatment, infection 1720.
antibiotics activity, 7-hydroxytropolon 6773.
antibiotics effects on monocytes phagocytosis, mice 11582.
antibodies, levels, urinary tract infection, children, man 3393.
antibodies, serum levels, relationship, surgery, man 550.
antibody response, milk, colostrum, neonates, pigs 5235.
antigen K, amino acid sequence 3920.
antigen K, antibody response, rabbits, use, vaccines 4277.
antigen K, structure, function 11547.
antigen K1, milk, serum, association, intestinal microflora, intestine, neonates, man 6053.
antigen K99, antibiotic resistance, incidence, juveniles, cattle 11445.
antigen K99, purification, characterization 514.
antigen O chemical composition, inhibition, antisera agglutination 13015.
antigen O, polysaccharides relationship, antigenic characteristics, Klebsiella 6060.
antigenic relationship, starch (bacterial glycogen) synthase, 1,4-α-glucan branching enzyme 11561.
antigenic relationship, Yersinia enterocolitica enterotoxins, purification 10068.
antigens, biosynthesis, purification, characterization 6054.
antigens, cross-reactivity Haemophilus influenzae, antibody response, man 8934.
antigens production, synthetic media (culture) 3155.
antimicrobial activity, orthomercaptoazo compounds 3091.
antimicrobial activity, plant extracts, medicinal plants, Surinam 7856.
antimicrobial activity, pyridines 5970.
antisera, role, opsonization, infection immunity 3203,

Escherichia coli, (continued)
arabinose promoter promoters multiple forms, cloning, DNA nucleotide sequence 11264
arabinose, transport, gene mapping, araE gene, araF gene, araG gene 2868.
arabinose transport mutants, isolation, characterization 265.
L-arabinose, transport, operons, regulation, characterization, use, phage Mu 8681.
D-arabinose utilization, genetic control 12782.
arabinose-binding protein, N.M.R. 7525.
araC gene proteins, genetic engineering 11095.
arginine operon, nucleotide sequence 12795.
arginine+ornithine binding protein, gene mapping 12809.
aroG gene, DNA nucleotide sequence 7668.
arsenate efflux, plasmids mediated resistance 12961
arthritis, clinical aspects, man 3518.
arthritis, spondylodiscitis, incidence, man, France 4462.
asd gene, cloning, DNA nucleotide sequence 6695
asd gene promoters identification, lac operon fusion 8664.
asparaginase, chemical modification 7549
asparaginase, immobilization, 2-hydroxy-3-bromopropyldextran 2813.
asparate carbomoyltransferase, genes mutation, effects on, catalysis, enzymes assembly, regulation response 12812.
aspartate aminotransferase, substrate specificity 12607.
aspartate ammonia-lyase, L-aspartic-β-semialdehyde affinity labelling, inactivation, role active sites cysteine 6639
aspartate ammonia-lyase, quaternary structure 4939.
aspartate ammonia-lyase, subunit structure 4027.
aspartate carbamoyltransferase, allosteric properties, N-(phosphonacetyl)-L-aspartic acid binding effects on conformation 9739.
aspartate carbamoyltransferase, conformation transition enthalpy, calorimetry 11136.
aspartate carbamoyltransferase, crystallization, X-ray diffraction, structure 11134.
aspartate carbamoyltransferase, kinetics 4059.
aspartate carbamoyltransferase mutants, characterization 4863.
aspartate carbamoyltransferase mutants, isolation, characterization 1586.
aspartate carbamoyltransferase, ornithine carbamoyltransferase, phenylglyoxal chemical modification, inactivation, role arginine active sites 4044.
aspartate carbamoyltransferase, quaternary structure, N-(phosphonacetyl)-L-aspartate effects on, X-ray diffraction 5791.
aspartate carbamoyltransferase, subunits cross-linking effects on conformation 4909.
aspartate carbamoyltransferase, subunits interaction 4849
aspartate carbamoyltransferase, subunits interaction, conformation role allosteric properties, use cross-linking 4910.
aspartate carbamoyltransferase, ultrastructure, crystal structure 12630.
aspartate carbamoyltransferase, zinc sulfur bonds, X-ray absorption 8588
aspartate decarboxylase biosynthesis 12677.
aspartate kinase, regulation, kinetics 4041.
L-aspartate oxidase, quinolate biosynthesis 6631.
L-aspartate oxidase, reaction mechanisms, quinolinic acid, oxaloacetate biosynthesis 5783.
assays, Mytilus edulis tissues, digestive tract 3584.
association, arthritis, reviews 6305.
ATP effects on glycerophosphase 4857.
attachment, mucosa, urinary tract, inhibition, immunoglobulin A, man 3194.
autolysis, induction, regulation 12342.
autolysis, teichoic acid effects on 12695
auxotrophs, polyamines modulation streptomycin effects on protein biosynthesis 3910.
Bacillus subtilis, flagella, rotation, motor activity, electrochemistry 6517.
Bacillus subtilis, transformation, plasmid pCS194, recombinants, maintenance, restriction-modification, gene mapping 2924.
bacteremia, peritonitis, association, liver cirrhosis, man 944.
bacteremia, postoperative infection, anus, rectum, colon, surgery, man 839.
bacteremia, recurrent infection, man, case reports 7107.
bactericidal activity, amoxicillin, cefaclor 6812.
bactericidal activity, electric currents 5143.
bactericidal activity, leukocytes (polymorphonuclear), man, complement effects on 6111.
bactericidal activity, sewage, digestion (anaerobic) 10049.
bactericidal activity, trimethoprim, cotrimoxazole 6842.
bacterin, vaccination, colibacillosis, clinical aspects, cattle 10262.
bacteriocins production, association, shigellosis prophylaxis, animal models 13184.
bacteriostasis, immunoglobulin A, association, lactoferrin, transferrin 6099.
bacteriuria, association, pregnancy, diagnosis, man 4521.
bacteriuria, nosocomial infection, epidemiology, use, antigen O typing, geriatrics 2050.
bacteriuria, pathology, children, case reports 2091.
bacteriuria, ureter, persistent infection, antibody-coated bacteria, immune response, man, case reports 3378.
Bacteroides fragilis, mixed culture, association, Eubacterium aerofaciens, 7β-hydroxysteroid dehydrogenase, ursodeoxycholic acid, formation 12611.
± Bacteroides fragilis, mixed infection, rats, effects on liver 13407.
Bdellovibrio bacteriovorus, predator-prey interactions, computer applications, mathematical models 12116.
bekanamycin antibacterial activity 6786.
α^4-O-benzoyl-pyridoxine, α^5-O-benzoyl-pyridoxine, antibacterial activity 451.
bile bacteriology, association, cholangitis, geriatrics 4519.
biochemical characteristics, identification, lakes isolates 7390.
biodegradation, β-interferon effects on, mice macrophages 11566.
biodegradation, growth, carbon sources, industrial effluents 9628.
biodegradation, N-nitrosamines 132.
biosynthesis, insulin, association, inclusion bodies, genetic engineering 4983.
biosynthesis iron regulation membrane proteins 5731.
biosynthesis, membrane proteins, kinetics, inhibition, cell division 8437.
biosynthesis, penicillinase, inhibition, sulbactam, antibiotic synergism, mice 361.
biosynthesis, toxins, hemolysins 1800.
biotin operon, cell-free system transcription, gene regulation 11069.
biotin operon, mutation, nucleotide sequence 4114.
biotin sulfoxide reductase activity, association, molybdenum cofactors, bisC gene 8600.
BK virus DNA cloning 1596.

Escherichia coli, (continued)
blood groups, determinants, sugars, interaction, Pseudomonas aeruginosa, lectins, hemagglutination 1857.
bone sepsis, treatment, gentamicin+polymethyl methacrylate beads, man 4486.
bowel postoperative infection, man, case surveys 5435.
breast milk immunological aspects, man, lactation time effects on 8959.
Brucella abortus extracts bactericidal activity 7884.
caffeine effects on nucleotides levels, relationship 8494.
calcium phosphate crystals formation, urine, in vitro, role calculus 8651.
calcium sulfate, assimilation, selectivity, cystine effects on 7473.
capsules, embedding effects on, electron microscopy 53.
carbamoyl-phosphate synthetase (glutamine-hydrolysing), UMP, IMP analogs, effects on activity 4066.
carbamoyl-phosphate synthetase (glutamine-hydrolysing), glycerol allosteric activation 12580.
carbohydrates bioaccumulation, association, growth, water activity 11224.
carbohydrates metabolism 12397.
5-carboxymethyl-2-hydroxymuconate isomerase, 5-carboxymethyl-2-oxo-hex-3-ene-1,6-dioate decarboxylase, purification, characterization 2818.
catabolite activator protein, binding double-stranded DNA, cyclic AMP modulation 11180
catabolite activator protein, cyclic nucleotides binding, N.M.R. 11117.
catabolite activator protein, role, malT gene regulation 8679.
catabolite activator protein, role tertiary structure recognition double-stranded DNA, comparison recognition, galactose repressor 8512.
catabolite repression effects on mer operon 5831.
cattle semen isolates, antibiotic sensitivity testing 5047.
cefmetazole antibacterial activity, infants, man 1710.
cefoperazone antibiotic resistance, penicillinase 7823.
cefoperazone, antibiotic synergism, penicillinase inhibitors 345.
cefotaxime, antibacterial activity, morphology 5916.
cefotiam antibacterial activity 1719.
cefuroxime, antibacterial activity 6801.
cell division, cell surface, radiation, effects on 95.
cell division, cyclic AMP effects on 83.
cell division defective mutant, polysaccharides accumulation 84.
cell envelopes, growth, role, cyclic AMP 2603.
cell envelopes lipoproteins, transport mechanisms, association peptidoglycans 8515.
cell membranes, heat shock, fluorescent probe, 1-anilino-8-napthalensulfonic acid 8365.
cell membranes proteins, comparison 8534.
cell membranes proteins structure 8553.
cell membranes, structure, gene lamB proteins, phage λ receptors 8535.
cell membranes, thermal injury, induction, formation, vesicles, blebs 12328.
cell surface antigens, immunogenicity, rabbits 10200.
cell surface, phage λ receptors, proteins, characterization 1636.
cell-free system, DNA biosynthesis plasmid ColE1, plasmid CloDF13, factor RSF1030, role ribonuclease H initiation 4141.
cell-free system, phage G4, phageΦX174 DNA biosynthesis 4128.
cell-free system, recognition replication origin, single-stranded closed-circular DNA, yeasts 7494.
cell-free system, replication R factor RSF1010 DNA 9905.
cell-free system, translation mRNA, phage Φ29 5708.
cell-free system translation, poly(A), poly(U), comparison eukaryotes 8495.
cervix microflora, man, association pregnancy 13071.
characterization arabinose transport 9593.
characterization, elongation factor Tu polymerization 5727.
characterization gene products DNA repair genes 12750.
chCl gene, gene regulation, characterization 1587.
chemical modification matrix porin, outer membranes 5734.
chemical modification, tRNA Phe, effects on aminoacylation 5717.
chemotactic factors release, antibiotics stimulation, effects on leukocytes (granulocytic) chemotaxis 13030.
chemotactic response, role, gene che, association flagella locomotor activity 8431.
chemotaxis, association, carboxylmethylation chemoreceptors 5602.
chemotaxis, chemotactic factors, repellents, assays, methodology 10942.
chemotaxis, maltose, characterization 8373.
chemotaxis, membranes, methyl-accepting chemotaxis protein, isolation 3810.
chemotaxis, Oxygen, phosphotransferase substrates, role methylation 5637.
chemotaxis proteins methylation, cheB gene, cheR gene 2860.
chemotaxis, relationship dimerization galactose-binding protein, maltose-binding protein 8359.
chemotaxis, uncouplers, effects on 1350.
children institutions, p-formaldehyde disinfection 410.
chimeras, tuf A gene lac Z gene fusion, characterization 4994.
chlA gene, chlB gene, mutants, formate dehydrogenase precursors 4929.
chloramphenicol antibiotic resistance genes, transcription, phage P1CM effects on 10004.
chlorine resistance, development 454.
chlorpromazine effects on conjugation, plasmids transfer, F'lac factor, R factors, pili 5971.
cholangitis, association, enterostomy, treatment, cotrimoxazole, case reports, infants, man 7023.
cholangitis etiology, clinical aspects, man 3481.
chorismate mutase prephenate dehydrogenase, kinetics, mechanisms 8584.
chorismate mutase prephenate dehydrogenase, purification, characterization 8583.
chorismate mutase substrate specificity 9751.
chromosomes transfer, conjugation, kinetics, mathematical models 242.
cis-2-octenoyl-CoA reductase, reduction, stereochemistry, stereospecificity 12635.
cis-platinum diamminodichloride, dinitrato(1R,2S-cyclohexanediamine)platinum effects on DNA damage 4803.
cis-platinum diamminodichloride, mutagenesis, crowding depression 2865.
Cit plasmid, incompatibility, classification 1692.
citrate metabolism plasmids, relationship, chemotaxis, tricarboxylic acids 1668.
clearance, association, immunization (passive), turkeys 9051.
clearance, biliary tract, ceftizoxime treatment, choledochlithiasis, man 10545.
clinical isolates, antibacterial activity, ceftazidime 5079.
clinical isolates, antibacterial activity, gentamicin, sisomicin, rifamycin 1706.
clinical isolates, antibiotic resistance, Aves 8813.
clinical isolates, antibiotic resistance, mastitis, cattle 5107.
clinical isolates, antibiotic resistance streptomycin, R factor rBP1 9886.
clinical isolates, antibiotic sensitivity testing, penicillins, drug sensitivity

scherichia coli, (continued)
testing, quinolones, co-trimoxazole 4175
clinical isolates, biosynthesis, enterotoxins, phospholipase A role pathogenicity 8867.
clinical isolates, capetimycin, antibacterial activity 8768.
clinical isolates, cefoperazone antibacterial activity, man serum effects on 9935.
clinical isolates, cefoperazone, antibiotic sensitivity testing 11375.
clinical isolates, colicinogeny, lysogeny, man, animals 1658.
clinical isolates, diarrhea, epidemiology, association, plasmids, restriction endonuclease mapping, man 11765
clinical isolates, enterotoxins, hemagglutination colonization factor, pigs 1835.
clinical isolates, feces, premature neonates, epidemiology, 11784.
clinical isolates, isolation plasmids, drug resistance, enterotoxins biosynthesis 7700.
clinical isolates, pathogenicity, role Col V plasmid, mice 9902.
clinical isolates, penicillin-binding protein, β-lactam antibiotics derivatives affinity 5920
clinical isolates, plasmids, antibiotic resistance, characterization 5111.
Clinical isolates, trimethoprim drug resistance 10061.
clinical isolates, urine, production, hydrogen sulfide 8656
cloacins receptors proteins, role iron uptake 8368.
cloning,
cloning, cystathionine β-lyase, deletion mutant 7546
cloning, expression genes, Saccharomyces cerevisiae, Neurospora crassa 11263.
cloning, foot-and-mouth disease virus antigens, antibody response, vaccination, goats 9828
cloning, foot-and-mouth disease virus genomes 9829.
cloning, gene expression, influenza virus hemagglutinins 9827.
cloning, genes, prorennin, cattle 4095.
cloning, OmpA gene proteins, membranes, Shigella dysenteriae, Enterobacter aerogenes, Serratia marcescens 6608.
cloning, plasmid pMB9, penP gene, penI gene, Bacillus licheniformis 1604.
cloning, Pseudomonas aeruginosa, plasmid pMG35, gentamicin, antibiotic resistance, genes 9825.
cloning, use, somatotropin biosynthesis 9811.
cloning, uvrA gene, transposons 1599.
cobalt chloride inhibition, protein biosynthesis, effects on RNA biosynthesis 2721.
cobalt effects on recA gene protein affinity, proteolysis activity 11098.
+coccidiosis+rotavirus, mixed infection, diarrhea, epidemics, neonates, cattle 4590
codons relationship gene expression 2866.
coenzyme A binding effects on succinyl-CoA synthetose (ADP-forming), conformation, fluorescence 12609
coenzyme A, biosynthesis, regulation, role, pantothenate kinase 2810.
col 1b plasmid, colicins, effects on, phage T7, protein biosynthesis 9859.
Col E1, DNA, purification, chromatography 5891.
Col V, aerobactin biosynthesis 279.
cold tolerance, pH, water, mixed culture, pseudomonas aeruginosa 11005.
ColE1, molecular weight relationship copies 11322.
colibacillosis, experimental infection, treatment, sulfachloropyridazine+trimethoprim, chickens, pigs 1103
colibacillosis, small intestine, ultrastructure, electron microscopy, neonates, cattle 6352.
colicin A biosynthesis, cytoplasm localization 4161.
colicin A biosynthesis, mRNA translation characterization 297
colicin A, colicin K, identification 5897.
colicin A cytoplasm, biosynthesis 4161.
colicin A uptake, proteins, ompF gene, btuB gene, effects on 4722.
colicin E1 genes, DNA nucleotide sequence, location promoters, operators regions 5814
colicin E3, protein B, amino acid sequence 4147.
colicins, biosynthesis, competition, shake culture, agar 3676
colicins, fragmentation, cell surface proteinase 5901
colicins, toxicity mechanisms, reviews 11505.
coliforms, R factors, antibiotic resistance, transfer, Salmonella, antibiotic sensitivity testing, agar diffusion test 6751.
colonization, gastrointestinal tract, intestinal microflora, chickens, effects on 1052
colonization, gastrointestinal tract, intestinal microflora effects on, chickens 1053.
colonization, intestine, Passeriformes, Psittaciformes 2360
colonization, intestine walls, electron microscopy, feeding regimes, colostrum, juveniles, cattle 4542.
colonization urethra mucosa, man, tissue culture 9618
comparison Escherichia coli, transcription translation systems 1440.
comparison, phages, DNA-binding protein, homology, amino acid sequence 12551.
comparison, Proteus rettgeri, amidase repression, association, tricarboxylic acid intermediates 12658
comparison, Pseudomonas aeruginosa DNA-binding protein, purification, characterization 4848
comparison replication kinetics plasmid pAL2 6740.
comparison, Saccharomyces cerevisiae, codons, preferences, genetic analysis 11273.
comparison, Salmonella typhimurium trpE gene nucleotide sequence 12503.
complement, classical pathway, role, opsonization, phagocytosis, leukocytes 11630.
complement C1 binding, man 6094.
complement resistance, role ColV, I-K94 plasmid, iss gene, R factor R100 traT gene 2950.
conformation, ribosomal protein L7/L12 167.
conformational analysis, C.D., electron microscopy 11146.
conjugation deficient mutant, cell membranes, proteins function 12556.
conjugation, Klebsiella pneumoniae, N plasmid, antibiotic resistance, killing 2909
conjugation, Salmonella, R factors 9903
continuous culture, factors affecting mutation 8694.
continuous culture, morphology, density 12295.
copB gene, cloning, characterization, R factor R1 12811.
copB gene expression, constituitive, growth rate dependent, R factor R1 12781.
copper bioaccumulation, batch culture, use, waste treatment 136.
copper bioaccumulation, metals effects on 121.
coupling factor B, immunoassays 4250.
Crassostrea commercialis, feces, release, temperature, effects on 12058.
cross-protection, pneumonia vaccination, guinea-pigs 3250.

Escherichia coli, (continued)
crp gene, cloning, nucleotide sequence 4104.
crp gene, cloning, nucleotide sequence 4109.
CTP synthetase, substrate specificity 9769.
culture, use, dextrans 7365.
cyclic AMP+catabolite activator protein, role transcription modulation 7502.
cyclic AMP binding DNA, characterization 5699.
cyclic AMP, biosynthesis, excretion, intracellular levels, continuous culture 9610.
cyclic AMP, hydrolysis activity, association, polyamines 9697.
cyclic AMP metabolism, enzymatic activity, phosphodiesterase I, adenylate cyclase, polyamines effects on 1366.
cyclic AMP receptors binding sites deo operon 12517.
cyclic AMP receptors proteins, cyclic AMP binding effects on structure, N.M.R. 4839.
cyclic AMP-binding protein, effects on DNA unwinding 5710.
cyclic AMP-binding protein, isolation, characterization, fragmentation 1488.
3':5'-cyclic-nucleotide phosphodiesterase, isolation, characterization 2783.
3':5'-cyclic-nucleotide phosphodiesterase proteins inhibitors, isolation, characterization 2738
CysB gene, gene expression 248
cysteine, inhibition, isoleucine, biosynthesis, derepression, ilvGEDA operon 8689.
L-cysteine, potentiation, hydrogen peroxide antibacterial activity 12947.
cystitis, association, pregnancy, man 7053.
cystitis, role, leukocytes (polymorphonuclear), animal models 5328.
cytochrome a_1, binding, carbon monoxide, light effects 2689.
cytochrome c oxidase, photochemistry, lasers 2753.
cytochrome D photolysis, temperature effects on 12488
cytochrome o formation, oxygen interaction 6519.
cytochromes characterization association growth conditions, cell cycle 12501.
cytolytic activity, nocardicin A, mecillinam 6804.
cytoplasmic membranes, glycerolphosphate acyltransferase, purification, characterization, reconstitution 4874.
cytoplasmic membranes, phage f1, coat protein orientation 6732.
cytoplasmic membranes, phage M13 coat protein incorporation 12814.
cytoplasmic membranes, succinate dehydrogenase, anions effects on kinetics, physicochemical properties 11162.
cytotoxicity, α-terthienyl photosensitization, Tagetes 7854.
dam gene DNA methyltransferase, purification, kinetics, physicochemical properties 7613.
defective mutant, biosynthesis, putrescine, spermidine, nutrient requirements, polyamines, association, antibiotic resistance, streptomycin 2641.
defective mutant, glutathione reductase (NAD(P)H), gor gene, gene mapping 11286.
defective mutant, lacA gene, galactoside acetyltransferase, purification, characterization 6711.
defective mutant, lipopolysaccharides, membrane potential, measurement 2623.
defective mutant, membrane permeability, DNA polymerase I uptake 6718.
defective mutant, nirB gene, nitrite reductase (NAD(P)H), gene mapping 2875.
defective mutant, nitrate reductase, formate dehydrogenase, cofactors, insertion, membranes, binding molybdenum 2848.
defective mutant, phosphatidate cytidyltransferase, association, phosphatidylethanolamine methyltransferase, phosphatidylglycerophosphatase, precursors 6655.
deficient mutant, polyamines biosynthesis 12762.
dehydration, sterility, corn cobs particles, fluidized beds, burn patients, man 11930.
3-dehydroquinate dehydratase, purification, characterization 9760.
deletion mutant, histidine auxotrophs 5820.
density 63
deo operon, transcription initiation sites, DNA nucleotide sequence 5845.
deoxyribonuclease, genes proteins effects on activity 4965.
deoxyribose-phosphate aldolase amino acid sequence 11037.
detection methodology, diarrhea, juveniles, cattle 3162.
detection, osmotic stability effects on Bactec test 5570.
detection, staining, food, methodology 4.
diarrhea, antibacterial activity, colostrum, immunity, pigs, neonates 4580.
diarrhea, antibiotic resistance, drug resistance, cattle 4195.
diarrhea, association, enterotoxins biosynthesis, infants, man 3361.
diarrhea, children, India 2039.
diarrhea, colonization factor, Sepharose prophylaxis, rabbits 10356.
diarrhea, electrolyte balance, man 812.
diarrhea, immune response, disease transmission, man 833.
diarrhea, incidence, case surveys, children 7014.
diarrhea, infants, man 820.
diarrhea, intestinal microflora, redox potential, neonates, cattle 3614.
diarrhea, isolates, pili antigens, characterization, infants, man 10145.
diarrhea, juveniles, sheep 10652.
diarrhea, pathophysiology, man 11778.
diarrhea, prophylaxis, treatment, man 11791.
diarrhea, treatment, amikacin, nursing infants, man 3367.
diarrhea, vaccination, colonization factor antigens, animal models 663.
6-diazo-5-oxo-L-norleucine transport 12333.
dibekacin antibacterial activity 6785.
dicarboxylic acids transport, mechanisms 5611.
2,4-dienoyl-CoA reductase, purification 11144.
dihydrolipoamide acetyltransferase, molecular weight 6660.
dihydroxybenzene derivatives, antibacterial activity 449.
dimers sensitivity, Micrococcus luteus endonuclease 4801.
dissociation elongation factor Tu elongation factor Ts GDP complex 3917.
DNA, absorption, U.V. radiation 155.
DNA biosynthesis, chlorhexidine effects on 8486.
DNA biosynthesis initiation, media (enrichment) 11055.
DNA biosynthesis, initiation proteins interaction dnaZ gene 7503.
DNA clones, immunoassays, detection, proteins antigens 7902.
DNA conformation, relationship, nucleotide sequence 2700.
DNA (cytosine-5-)-methyltransferase, purification, structure 9775.
DNA damage, U.V. radiation 2699.
DNA damage, Cerenkov radiation induction 4795.
DNA damage, X radiation 2698.
DNA elongation, role recA gene protein 11102
DNA fragments, transposition, association, transposon Tn1 11333.
DNA, frameshift mutation, site location, preferences 12502.
DNA gyrase, DNA biosynthesis, inhibition, oxolinic acid, coumermycin 5701.
DNA gyrase, inhibition, novobiocin, clorobiocin, coumermycin, analogs, structure-activity relationships 11058.

Escherichia coli, (continued)
DNA gyrase, mediation phage λ plasmid pBR322 recombination 7497.
DNA, homology, gene vH2', flagella, Salmonella, radioactive labelling 2692.
DNA host specificity, association, trimethoprim R factors 11061.
DNA, insertion sequence 5, nucleotide sequence 11063.
DNA, interaction, phage λ DNA 7674
DNA, lacI gene, point mutation, 7α,8 β-dihydroxy-9β,10β-epoxy-7,8,9,10-tetrahydrobenzo(a)pyrene, 3,4-epoxycyclopentapyrene 11052.
DNA methylation 12512
DNA nucleotide sequence, adenosinetriphosphatase genes 8666.
DNA, nucleotide sequence, correlation, gene mapping, lacI gene mutation 11267.
DNA nucleotide sequence homology, elongation factor Tu genes, chloroplasts, Chlamydomonas reinhardtii 11041.
DNA nucleotide sequence penicillinase genes, comparison Pseudomonas aeruginosa, evolution 2869.
DNA, nucleotide sequence, recognition, endodeoxyribonuclease Eco RI 2704.
DNA polymerase, amino acid sequence, secondary structure predictions 8562.
DNA polymerase I, U.V. radiation DNA damage effects on coding 7505.
DNA polymerase I, ATP stimulation 4916
DNA polymerase I, caffeine inhibition 5753.
DNA polymerase I effects on defective mutant, U.V. radiation sensitivity 11284.
DNA polymerase I, inhibition, anthracycline antibiotics 12622.
DNA polymerase I, oligo (T) analogs initiation 6616.
DNA polymerase I, oligodeoxyribonucleotides synthesis, methodology 8513.
DNA polymerase I, purification, characterization 9766.
DNA polymerase I, substrate specificity 5752.
DNA polymerase II, purification 11181.
DNA polymerase III, purification, characterization 7622.
DNA polymerase, inhibition cyclohexane carboxaldehyde, benzaldehyde, protocatechualdehyde 11174.
DNA proteins complex, characterization 12549.
DNA, quinacrine binding 158
DNA repair, U.V. radiation 6569.
DNA repair, U.V. radiation, characterization 1438.
DNA repair, U.V. radiation, chloramphenicol effects on 4191.
DNA repair, U.V. radiation, starvation effects on 6568.
DNA repair characterization 8703.
DNA repair, cis-platinum diamminodichloride effects on 8488.
DNA repair deficient mutant, reactivation, phage T7 271.
DNA repair mechanisms 11318.
DNA repair, uvrD3 gene effects on, strains comparison 2864.
DNA, replication, interaction, phage Mu, transduction 2885.
DNA replication sites, plasmid pBR322 2904.
DNA replication specificity, DNA repair, mutation, kinetics 11049.
DNA, restriction endonuclease mapping 8484.
DNA-binding protein association, phage T7, mutants, isolation 7682.
DNA-binding protein genes nucleotide sequence 4976.
DNA-binding protein, purification, characterization, Col E1 9720.
DNA-binding protein, purification, characterization, comparison Bacillus globigii 9722
DNA-binding protein, structure, comparison phage λ 5736.
dnaA gene, dnaN gene, gene mapping, transcription 4974
dnaA gene, gene products, temperature-sensitive mutant, suppressors, isolation, plasmids 12799.
dnaA gene, rpmH gene, promoters, nucleotide sequence 12515.
dnaB gene frequency, duplications, chromosomes 4966.
dnaB gene gene products mutants forms, purification, characterization 4964.
dnaB gene protein, activation, comparison single-stranded, double-stranded DNA 8544
dnaB gene protein, allosteric properties, role ATP, effects on DNA structure 8545.
dnaB gene protein, priming DNA biosynthesis 8546.
dnaB gene protein, purification, characterization 8543.
dnaB gene protein, role priming, complex 8547.
dnaB gene proteins activity stabilization, role, ADP, ATP 4845
cDNA nucleotide sequence, gene expression, dnaG gene 11051
dnaE gene, cloning, plasmid pBR322, gene products 12775.
dnaG gene regulation, use plasmids, cDNA 12753.
dnaK gene proteins gene products 5825.
dnaN gene correlation DNA polymerase III β-subunit 8674.
double-stranded breaks, U.V. radiation induction DNA repair 5706.
double-stranded DNA interaction catabolite activator protein, electron microscopy 11056.
drinking water, ozone disinfection, clay effects on 5142.
drug resistance, antibiotic resistance 384.
drug resistance fluctuations, association, antibiotics dietary intake, juveniles, chickens 10055.
drug resistance, heavy metals, antimicrobial agents, marine environment 459.
drug resistance, mercuric chloride 3117.
drug resistance, nalidixic acid, role, DNA-unwinding protein, gyrB gene, gene mapping 3108.
drug resistance plasmids, IncP-1 plasmids, transfer, Rhizobium japonicum 5033.
drug resistance, R factors, diarrhea, children 274.
drug resistance, trimethoprim, clinical isolates 457.
drug resistance, trimethoprim, co-trimoxazole, diarrhea treatment, man 4217.
drug resistance, trimethoprim, urinary tract isolates 452.
drug sensitivity testing, chlorine dioxide, relationship, growth conditions 12939
drug sensitivity testing, nifuroxazide 5130.
ecology, intestine, man 1922.
effects on γ radiation mortality, gnotobiotics, mice 10726.
efficiency of plating, phage λ, temperature effects 1665.
eggs contamination, geese 2388.
electric currents effects on, viability 5974.
electron microscopy, puromycin photoaffinity labelling, ribosomes 8497.
electropotential, electric fields, electron transport 12483.
elongation factor G, amino acid sequence 11116.
elongation factor G, interaction, guanine nucleotides, thermodynamics 4814.
elongation factor G, ribosomes, nucleotides binding, fluorescence polarization, tryptophan chemical modification effects on 12530
elongation factor Tu, C.D., nucleotides binding sites 1455.
elongation factor Tu, allosteric properties, GTP binding, kirromycin effects on 11088.
elongation factor Tu, analysis GDP, GTP binding 8492.
elongation factor Tu, antibacterial activity, kirromycin, aurodox, derivatives 2718.

Escherichia coli, (continued)
elongation factor Tu, association, aminoacyl-tRNA synthetase, mediation, Naja oxiana ribonuclease, enzymes sensitivity 4828.
elongation factor Tu complex, histidine residues 1472.
elongation factor Tu histidine residues, photooxidation 3945.
elongation factor Tu hydrolysis GTP, cations role 9686.
elongation factor Tu, inhibition, eukaryotes, protein biosynthesis 8530.
elongation factor Tu, interaction, tRNA, characterization 12537.
elongation factor Tu manganese GDP complex, E.S.R. 4812.
elongation factor Tu mutants forms, amino acids substitution characterization 5728.
elongation factor Tu mutants, kirromycin inhibition protein biosynthesis 3898.
elongation factor Tu, purification, protein biosynthesis, kirromycin effects on 3897.
elongation factor Tu, regulation, gene expression, tufA gene, tufB gene 8705.
emphysema pyelonephritis, association, polycystic kidney, man, case reports 2089.
emphysema pyelonephritis, pathology, diagnosis, treatment, man, case reports 2080.
endocarditis, association, hemodialysis, man 11989.
endocarditis, presentation, aneurysm, man, case reports 7093.
endocarditis, treatment, surgery, aortic valve, man 3478.
endodeoxyribonuclease EcoK interaction heteroduplex DNA 4802.
endodeoxyribonuclease EcoRI, cleavage kinetics 1521.
endodeoxyribonuclease EcoRI subunits, binding, cleavage, kinetics, palindromes DNA 11087.
endodeoxyribonuclease, purification, substrate specificity, physicochemical properties 6615.
endodeoxyribonuclease V, mechanisms 9774.
endotoxin, effects on rats cardiodepressant factor 1829.
endotoxin shock effects on electrocardiogram, dogs 7891.
endotoxin shock, effects on myocardium proteins contractility, animal models 484.
endotoxin shock, hemodynamics, horses, treatment, flunixin meglumine 3139.
endotoxin shock, insulin resistance, skeletal muscle, dogs 5174.
endotoxin shock, role, opiates receptors, animal models, dogs 6873.
endotoxin shock, skeletal muscle, insulin resistance, dogs 5179.
endotoxin shock, treatment, gentamicin+methylprednisolone, baboons 8894.
endotoxins, absorption, intestine, juveniles, pigs, characterization 6020.
endotoxins, binding, hepatocytes, rats 5999.
endotoxins, derivatives, effects on man 3144.
endotoxins, effects on arachidonic acid release, thromboxane B_2 production, platelets, man 3147.
endotoxins, effects on blood flow, brain, dogs 12984.
endotoxins, effects on, carbohydrate metabolism, chickens 4236.
endotoxins, effects on cardiovascular system, 5-hydroxytryptamine levels, colibacillosis, pigs 11494.
endotoxins, effects on collagen aggregation 1820.
endotoxins, effects on fatty-acid synthetase lipoproteins 8893.
endotoxins effects on fibroblasts lysosomal enzymes, activity, mucolipidosis, man 1823.
endotoxins, effects on glucose metabolism, rats 8880.
endotoxins, effects on, glycolysis, heart, dogs 3133.
endotoxins, effects on heart, juveniles, pigs 483.
Endotoxins effects on leukocytes (polymorphonuclear), blood, leukocyte migration, milk, animal models 8897.
endotoxins, effects on lipase enzymes, mice 494.
endotoxins, effects on mitochondria metabolism neuroblastoma cells, mice 3135.
endotoxins, effects on p-nitrophenylphosphatase, heart, dogs 495.
endotoxins, effects on sucrose leakage, phosphatidylcholine liposomes 5170.
endotoxins, endotoxemia, association, calcium overload, heart, rats 1814.
endotoxins, endotoxemia, hemodynamics, sheep 3136.
endotoxins, endotoxin shock, treatment, naloxone, dogs 1832.
endotoxins, fever effects on serum levels, thyroxine, 3,3',5'-triiodothyronine, rabbits 11511.
endotoxins, hemorrhage, effects on vascular system permeability, dogs 11500.
endotoxins, hypoglycemia, blood lactate, rats 3137.
endotoxins, hypotension, complement activation, prostaglandin F1α levels, rabbits 493.
endotoxins, induction, leukocytes (polymorphonuclear), inflammation, rabbits 6867.
endotoxins induction leukocytosis, guinea-pigs mammary gland 5177.
endotoxins, induction, lung, injuries, treatment, methylprednisolone, sheep 1837.
endotoxins, inflammation, treatment immune serum, rabbits 6865.
endotoxins, inhibition lipoprotein lipase, muscles, myocardium, rats 13031.
endotoxins, inoculation, dose-response effects, horses 1836.
endotoxins, inoculation, effects on, body temperature, chemical composition, blood, chickens, juveniles 4242.
endotoxins, Limulus polyphemus amebocytes, Limulus lysate test, effects on viscosity 6856
endotoxins, lung endotoxemia, edema, nitroprusside effects on, pathology, sheep 10130.
endotoxins, pathogenicity, immunity (humoral), small intestine ablation, rats 12981.
endotoxins, prostaglandins, treatment, lung endotoxemia, sheep 10114.
endotoxins, rumen absorption, role mastitis pathogenesis, cattle 11492.
endotoxins shock, effects on myocardium, dogs 8881.
Ent plasmid, enterotoxins, antibiotic resistance transposons labelling 7703.
enteritis, association, diarrhea, pathogenesis, man 11787.
enteritis, association, septicemia, osteomyelitis, immunosuppression, man, case reports 9289.
enteritis, etiology, prophylaxis, cattle, neonates, reviews 4568.
enterochelin synthetase, reaction mechanisms 9786.
enterotoxemia diarrhea, treatment, chlorpromazine, propranolol, mice animal models 6201.
enterotoxins, acute toxicity, gastrointestinal tract, calcium, quinacrine hydrochloride, zomepirac sodium effects on, mice 6023.
enterotoxins, antibodies, detection, infants, mothers, man, Ethiopia, Sweden, Costa Rica 3229.
enterotoxins, association diarrhea, clinical aspects, children man Ethiopia 6019.
enterotoxins, berberine effects on, animal models 4241.
enterotoxins, binding, membranes receptors, cell lines, mice 11499.
enterotoxins biosynthesis, association, diarrhea, man 4232.
enterotoxins, biosynthesis, relationship, pathogenesis, pigs 475.
enterotoxins, colonization antigens, antibody response, rabbits 10228.
enterotoxins, detection, gangliosides+enzyme-linked immunosorbent assay 4224.
enterotoxins, detection, hemolysis assays 4226.

Escherichia coli, (continued)
- enterotoxins, detection latex agglutination 7880.
- enterotoxins, diarrhea, association, chlorpromazine induction intestine epithelium shedding, rats 11517
- enterotoxins, DNA cloning 6688
- enterotoxins, effects on, cell proliferation, in vitro 12983.
- enterotoxins, effects on HeLa cells cell culture 1826
- enterotoxins, effects on immunity, rats 4237
- enterotoxins, effects on mice, chemicals effects on 481
- enterotoxins, gangliosides specificity, ADP-ribosyltransferase activity 4234.
- enterotoxins genes subunits, nucleotide sequence 12784
- enterotoxins, induction cyclic AMP extracellular levels, Vero cells 8888.
- enterotoxins, induction, intestine secretion, inhibition, nicotinic acid, pigs 1838.
- enterotoxins, induction, intestine secretion, mice, bile effects on 5168.
- enterotoxins, induction, intestine secretion, mice, inhibition, lanthanum 5173.
- enterotoxins, interaction gangliosides 5182.
- enterotoxins, man, pigs, identification, gel diffusion 3127.
- enterotoxins, peptides, staining 466.
- enterotoxins, plasmid Ent, gene mapping, regulation 9899.
- enterotoxins, plasmids, antibiotic resistance, isolation, characterization 12863.
- enterotoxins, plasmids detection 277
- enterotoxins production 6002
- enterotoxins, propranolol, effects on, intestine, secretion, pigs 11525.
- enterotoxins, purification, characterization 12972.
- enterotoxins, purification, gel electrophoresis 12970
- enterotoxins receptors, effects on adenylate cyclase 6863.
- enterotoxins, seroepidemiology, pigs 11518.
- enterotoxins, serotypes, association, colonization antigens 1795.
- enterotoxins, serum levels, aspartate aminotransferase, rabbits 10082.
- enterotoxins, structure 471
- enterotoxins, subunit structure, immunochemistry, 12971
- enterotoxins, supernatants, cell-free system, assays, association diethyl ether 7878.
- enterotoxins, toxicity, man, reviews 3132.
- enterotoxins toxoids, recombinants, plasmids, vaccines, gene mapping 2939.
- enterotoxins, vaccines development 11638.
- enumeration, frozen food, filtration 2528.
- enumeration methodology, trachea, chickens 10869
- enumeration, shellfish, methodology 1274
- envZ gene, ompR gene, gene mapping, gene products, regulation, outer membranes 6709
- enzymes, biosynthesis, continuous culture, kinetics, growth rate 11195.
- enzymes, catabolite repression, cyclic AMP effects on 8617
- enzymes, effects on, phage ΦX174, DNA, replication, superhelical 11292.
- enzymes, o-succinylbenzoic acid, role, biosynthesis 6562.
- enzymes systems effects on pAT 153 plasmid 8732.
- epididymitis, clinical aspects, pathology, sheep 12067.
- erythrocytes, cell adhesion, infants man, diarrhea 7027
- erythromycin antibiotic resistance, mutation, rRNA operons 12741
- Escherichia coli 2705.
- essential oils, antimicrobial activity 7858.
- esterase, membranes localization, characterization 5763.
- ethylmethanesulfonate mutagenicity testing, DNA binding 11282.
- etiology, diarrhea, cattle, juveniles 1066.
- etiology, gastroenteritis, children, Trinidad 5312.
- evolution, genetic analysis chromosomes 1633.
- exodeoxyribonuclease III, substrate specificity 8510.
- experimental infection, effects on, metabolism, oxygen, pressure, liver, rats 3630.
- experimental infection, haptoglobin effects on, rats 4515
- experimental infection, immune response, leukocytes (polymorphonuclear), urinary bladder epithelium, rats 5239
- experimental infection, mezlocillin treatment, mice 13261.
- experimental infection, muscles, mice, pigs mucin effects on 7217.
- experimental infection, rabbits, cholecystitis, detection, antibody-coated bacteria, bile 8990.
- experimental infection rats, antibacterial activity, cefmetazole comparison cephazolin 5923.
- experimental infection, teat, cattle, relationship, milking 3621
- experimental infection, treatment, use, phages, mice 8722.
- expression, influenza virus hemagglutinins antigenic determinants 1624.
- extracts, antitumor activity, mice 6682.
- exuR gene, regulation, transcription 11269.
- eye diseases, drug sensitivity testing, case surveys 7111.
- R factor NR1, conjugation, R factor RSF2124, DNA homology, relationship, recombination frequency 12800.
- R factor RK8, isolation, characterization 12858.
- σ factor, RNA polymerase, binding, DNA 6618.
- R factor RP4, replication genes, gene mapping 9865
- R factor RP4, transfer, Salmonella typhimurium, Klebsiella pneumoniae, Proteus mirabilis 12865.
- R factor R1, replication, regulation, copA gene, copB gene 1689.
- R factor R1162, gene mapping, cloning 6742.
- R factor R485, association, pili 12844.
- R factors, U.V. radiation, association, DNA nucleotidyltransferase like plasmids 2765.
- factors affecting competition 9663.
- R factors, antibiotic resistance, bacitracin, tetracycline, drug resistance, sulfonamides, animal isolates, chickens 4200.
- R factors, antibiotic resistance, transformation 9880.
- R factors, cephalosporins antibiotic resistance 6750.
- R factors, conjugation, integration 7704.
- R factors, effects on, antibiotic sensitivity testing 7693.
- R factors, incompatibility classification 9896.
- R factors loss, mathematical models 9893.
- R factors plasmids, antibiotic resistance, relationship, chemotherapy, Japan 3070.
- R factors, transfer frequency, temperature effects on 9895.
- fatty acid composition, regulation, ethanol, temperature, chaotropic agents, effects on 5808.
- fatty acid composition, temperature effects, growth conditions effects on 228.
- fatty acids auxotrophs, growth, phospholipid composition, carbon sources effects on 3856.
- fatty acids auxotrophy, morphogenesis, fatty acids effects on 66.
- fatty acids, degradation, regulation, transcription, genetic analysis 2836.

Escherichia coli, (continued)
- fecal microflora, metronidazole, sulfasalazine, effects on, man 672.
- feces, soil pollution, land managment relationship 8202.
- ferrichrome, transport, comparison, Penicillium parvum 88.
- filamentous microorganisms, immobilization 72.
- filtration, effects on, leukocytes function, man 13020.
- fluorescent probes, pyruvate oxidase 11197.
- fMet-tRNAf deacylase, purification, characterization 4930.
- food contamination, isolation methodology, effects on pathogenicity, man 12208.
- food isolates, antibiotic resistance 1746.
- N-formimidoyl thienamycin, antibacterial activity, comparison, antibiotics 9938.
- fosfomycin, antibiotic resistance, plasmids, transfer 7836.
- frameshift mutant, ilvG gene, nucleotide sequence 5834.
- frdA gene, DNA nucleotide sequence 9839.
- frozen food isolates, assays, methodology 1277
- L-fucose operon, gene mapping 12754.
- galactose binding proteins, amino acid sequence 7535.
- galactose operon expression, phage λ prophages induction 4993.
- galactose operon mutants promoters, characterization 4981.
- galactose operon mutants promoters, isolation 5842.
- galactose operon promoters, cyclic AMP, effects on 4807
- β-D-galactosidase activation, role monoclonal antibodies 9783.
- β-D-galactosidase, interaction, glycals, affinity labelling 6661.
- β-galactosidase, membranes, association, temperature-sensitive mutant, gene mapping 267.
- β-D-galactosidase mutants forms, substrate specificity, relationship evolutionary genetics 4850.
- β-D-galactosidase, proteolysis 6622.
- β-galactoside transport, succinic acid oxidation, temperature effects on 5624.
- gas production, detection, association, media (culture) 2515.
- gastrointestinal tract infection, cefotaxime treatment, man 6207.
- gastrointestinal tract infection, dogs, India 13377.
- gene expression, α-interferon genes, cloning, phage M13 12745.
- gene expression, β-interferon genes, isolation, fibroblasts, man, characterization 8678.
- gene expression, antigenic determinants, hemagglutinin, influenza A virus 6720.
- gene expression cattle somatotropin genes cDNA 8667.
- gene expression, endoglycosidase H, Streptomyces plicatus 8691.
- gene expression, heat shock activation, books 13537.
- gene expression ornithine carbamoyltransferase genes, Saccharomyces cerevisiae 5865.
- gene expression regulation, RNA polymerase 11131.
- gene hin, heat shock proteins, biosynthesis, gene regulation 9838.
- gene lamB proteins secretion mechanisms, association, translation 9693.
- gene mapping, chemotaxis proteins genes 8687.
- gene mapping DNA repair genes 6689.
- gene mapping, gene regulation, pyr operon, pyrI gene, pyrB gene 11262.
- gene mapping, isocitrate dehydrogenase (NADP+) cistrons 11259.
- gene mapping, loci, adenosinetriphosphatase δ-subunit genes, nucleotide sequence, DNA 11054.
- gene mapping, pan gene 1611.
- gene mapping trg gene 6690
- gene regulation, glyoxylic acid shunts, enzymes 6719.
- gene regulation leucine transport 7401.
- gene regulation, ompA gene 1607.
- gene regulation, role tRNA methylthiolation 5713.
- gene rplM, gene mapping 6686.
- genes cloning, restriction endonuclease mapping 12759.
- genes, ilv gene, insertion sites, phage λ 1591
- genes transfer, Bacillus subtilis, penicillinase biosynthesis, association, α-amylase genes 12645.
- genes transfer, Bacillus subtilis, penicillinase biosynthesis, association, α-amylase genes 12655.
- genetic analysis lamB gene 8696.
- genetic variance, populations, man 4100.
- genomes, loci, localization, amino acid sequence, gene mapping 7662.
- genomes mutation effects on R factor R6K expression 9878.
- genomes, replication origin, cloning, structure-activity relationships 8700.
- gleA gene, plasmids, genetic analysis 1630.
- glpA gene, glpT gene, genetic engineering 8668.
- glucose-1-phosphate adenylyltransferase, cyclohexanedione, phenylglyoxal allosteric inactivation, role arginine residues 7592.
- glucose-1-phosphate adenylyltransferase, trinitrobenzenesulfonic acid chemical modification allosteric activators sites, effects on activity 7547.
- β-glucoside metabolism, regulation proteins, bglBSRC operon 4101.
- glutamate transport, coupling, sodium 78.
- glutamine synthetase ATP hydrolysis, kinetics 4903.
- glutamine synthetase, fluorometry, characterization 5777.
- glutamine synthetase, isolation 4005.
- glutamine synthetase reactivation 9738.
- glutamine synthetase, subunits interaction, cooperativity 4900.
- glutamine, transport, genetics analysis 244.
- glutamine transport, reconstitution, vesicles 5616
- glutaredoxin, N,N'-bis-(4-azidobenzoyl) glutathione disulfide photoaffinity labelling 12553.
- glutathione biosynthesis deficient mutant, isolation 4834.
- glutathione deficiency strains, effects on, coenzyme A disulfide, glutathione 9712.
- glutathione deficient mutant, potassium metabolism 12438.
- glycerol transport, membrane permeability, membrane composition 2584.
- glycerol-3-phosphate dehydrogenase, purification, characterization 6663.
- glycoproteins, lipoproteins, chemotactic factors, hemocytes, Crassostrea virginica 8634.
- glyoxylate mechanisms threonine dehydratase, 4064.
- gpt gene, replication, SV40+pBR322 plasmid recombinants, mammalian cells 8676.
- gramicidin S adsorption 3834.
- groE gene, gene mapping 5813.
- growth, anaerobic conditions 15.
- growth, cephalosporins, penicillins, effects on 1714.
- growth curves, antibacterial activity, ceftazidime 5083.
- growth, heavy metals inhibition 11464.
- growth, indicator species, water pollution, carbaryl, effects on 5981.
- growth, intravenous administration fluids+albumin 4751.
- growth, nutrient requirements, temperature, effects on 10969.
- growth rate, plasmids effects on 9882.

Escherichia coli, (continued)
growth rate, relationship, chromosomes replication, envelopes macromolecules biosynthesis 3842.
growth rate, tufA gene, protein biosynthesis 4808.
growth, redox potential 12465.
growth, relationship, cell surface, cell volume, mathematical models 3843.
growth, stimulation, serum, cattle, role, iron, siderophores 2673.
growth, susceptibility, actinomycin D, riboflavin, analogs 12909.
growth, trimethylamine N-oxide reduction, fish muscles extracts 4757.
guaB gene, fusion, lacZ gene, methodology 4963.
guanosine phosphates biosynthesis, growth, characterization 5663.
helicase complex, association, ATP, DNA, characterization 9711.
helicase II, stimulation DNA biosynthesis, replication forks unwinding 11057.
hemagglutination, adherence, oral cavity cells, relationship, enterotoxins, diarrhea, infants, man 3142
hemagglutinins, resistance, mannose, serological surveys 3238
hematuria, incidence, kidney abscesses, association, carcinoma, kidney, man, case reports 4429
hemolysin effects on viability, leukocytes 6864
α-hemolysin genes expression, plasmids 9888.
hemolysins biosynthesis, relationship, virulence, mice, 470
hemolysins determinants plasmids, cloning, function 12779
hemolysins, toxicity, genetic analysis 11479
hepatitis B surface antigen gene expression, vaccines production, antibody response, mice 9826.
hosts factors, stimulation phage GA RNA biosynthesis, purification, characterization 2894
hydrogenase, association, membranes, characterization, crossed immunoelectrophoresis 2589
hydrolysis cinnamyl esters, Cinnamomum sieboldii 5674.
4-hydroperoxicyclophosphamide effects on tRNA aminoacylation, RNA biosynthesis, protein biosynthesis 5709.
hydrophobicity, hemagglutination activity, enterotoxins association, comparison, colonization factors antigens 7923
β-hydroxydecanoyl thioester dehydrase genes, cloning, methodology gene amplification 4969
identification, pathogenicity, methodology 4691
ilv gene, comparison λ phage transduction Salmonella typhimurium 1439.
ilv operon, genetic analysis, use transposons 9894
IlvHI operon, characterization 252.
immobilization, use, carrageenins gels 179.
immune response, Hyalophora cecropia 543.
immune response, marcrophages, cytotoxicity, opsonization 9000
immune response, rabbits, enterotoxins, antigens synergism 10192.
immune response, serum, man, association, antibodies, complement 11614.
immunity assays, pollutants immunosuppression, animal models 13026.
immunity, colicins, plasmids, gene mapping, gene products, proteins, membranes 3071
immunization (passive), neonates, cattle 9063.
IMP dehydrogenase, inhibition, AMP, IMP derivatives 4933
IncI plasmid role pili thickness, phage PR4 adherence 11337.
incidence, abundance, killed, animals, sampling, methodology 3557.
incidence, association, gastroenteritis, children, New Zealand 3372
incidence, chickens, abattoirs 3629
incidence, diarrhea, sulfonamide, +colistin treatment, neonates, cattle 11768
IncJ plasmid, plasmid R391, integration, replication, conjugation 5894.
IncN plasmid transfer, Pseudomonas aeruginosa 7698
incubation temperature effects on heat resistance, association, fatty acid composition 5989.
indicator species, carbaryl toxicity 5144
indomethacin, aspirin, effects on inflammation, rabbits 10203
inducers binding lactose repressor, N.M.R. 4097
infection, aminoglycoside antibiotics, treatment, prophylaxis, man 12002.
infection, cefoperazone treatment, man 10608.
infection, cefotaxime treatment, children 6267.
infection, cefotaxime treatment, intensive care units, man 6281
infection, cefotaxime treatment, man 6265
infection, cefotaxime treatment, man 6272.
infection, effects on granulopoiesis, mice 4342.
infection, gastrointestinal tract, chickens 13385.
infection, gynecology, netilmicin, gentamicin, treatment comparison, man 11793
infection, immunity, role, leukocytes (polymorphonuclear), mice 1882.
infection, infants, man, diarrhea 11758.
infection, leukocytes, immunoglobulins, levels, cattle, intramammary device, effects on 4274.
infection, man 938
infection, man, antibacterial activity, cefotaxime 9208.
infection, man, antibacterial activity, ceftriaxone 9216.
infection, man, eye diseases, antibiotics treatment 10492.
infection, man, meningitis, moxalactam treatment 9168.
infection, man, moxalactam treatment 9221.
infection, man, treatment, mezlocillin, comparison, carbenicillin 10595.
infection, mice, association, leukocytes (granulocytic) production 5234.
infection, microflora, protection, chickens 13357.
infection, netilmicin treatment, man 10617.
infection phage T4, DNA replication relationship deoxyribonucleotides concentration 11048
infection, pigs digestive tract, antibiotics treatment 6202.
infection, prophylaxis, cancer patients, children, man 4464.
infection, rats, Nigeria 4548.
infection, sepsis, treatment, cefmetazole, infants, man 996
infection, seroepidemiology, man, ethnic groups 11757.
infection, sheep erythrocytes, polysaccharides, effects on, antibody response 11626.
infection, treatment, antibiotic 6059-S, children 1752.
infection, treatment, antibiotic 6059-S, children 2316
infection, treatment, antibiotic 6059-S, children 2318.
infection, treatment, cefmetazole, infants, man 985
infection, treatment, cefotiam, children 2248
infection, treatment, cefotiam, children 2306.
infection, treatment, ceftazidime, man 5441
infection, treatment, cephalosporins, man 4502
infection, treatment, mezlocillin+gentamicin, man 5377.
infection, urinary bladder, epithelium, mucopolysaccharides, charactерication, rats 11829.
infection, urinary tract, animal models, man 13203.

Escherichia coli, (continued)
infectious diseases, interaction, nutritional status, role, case surveys, children 7160.
infectivity, cells, centrifugation effects on 6881.
inhibition phage T7 protein biosynthesis 11291.
initiation factor 2 binding 30 S RNA, fluorescence 7504.
initiation factor 2 genes cloning, gene mapping 12749.
initiation factor 3 genes, DNA nucleotide sequence 5707.
initiation factor 3, inhibition ribosomal subunits association, kinetics 6589.
initiation factor 3, interaction rRNA 30S, fluorescence 1445.
initiation factor 3, structure-activity relationships, lysine, residues 9676.
initiation proteins, replication, purification, characterization 9717.
inner membranes, phage λ S gene proteins effects on 12303.
insertion DNA phage λ, reviews 9850.
insertion sequence 1, insertion sequence 2, deletion, recA gene, genetic analysis 1434.
insertion sequence 2 effects on transcription galactose operon 9821.
insertion sequence 5, gene expression, transcription 9841.
insertion sequences, DNA, nucleotide sequence, transposon Tn4 7707.
insulin precursors, biosynthesis 9719.
interaction, complement C1, antibodies effects on 10191.
interaction, HeLa cells, cell density, chlamydia trachomatis 22.
α1-interferon genes, synthesis, gene expression 11265.
intestinal microflora, antibiotic resistance, neomycin± oxyterracin± streptomycin± chloramphenicol, animals 3074.
intestinal microflora characterization, rabbits 6325.
intestinal microflora, colon, gas production, endoscopy, man, mannitol, effects on 3263.
intestinal microflora, colonization, gnotobiotics (germ-free), mice 3560.
intestinal microflora, expression, hepatitis B surface antigen, seroepidemiology, man 11658.
intestinal microflora, feeds, mice levels effects on, mice 1048.
intestinal microflora, rabbits feeds effects on 1047.
intestine isolates, plasmids characterization, ampicillin effects on 12842.
intracellular killing, leukocytes (granulocytic), role, opsonins, immunoglobulins, complement 562.
^{125}I-β-Iodo-D-alanine antibacterial activity 1766.
Ion gene proteinase, binding DNA, effects on activity 9788.
irgasin drug resistance, mechanisms 11472.
iron transport, citric acid induction 3826.
isocitrate dehydrogenase (NADP^{+}) isoenzymes, purification, characterization 3969
isocitrate dehydrogenase (NADP^{+}), purification 7551.
isoenzymes, phospho-2-keto-3-deoxy-heptonate aldolase, amino acid sequence 6628.
isolation, birds 3617.
isolation, cattle, sheep, pigs, abattoirs 3604.
isolation, characterization, cystic fibrosis, man 949.
isolation, drug resistance, association, R factors, Aves 10054.
isolation, food, hospitals 2571.
isolation, insulin like compounds 4846.
isolation, neonates pigs, association, coccidiosis 8088.
isolation, sheep, abattoirs 1065.
isolation, survival, man semen, association, freezing 2519.
2-keto-3-deoxyoctonic acid, detection, use, Carcinoscorpius rotundicauda lectins 11243.
α-ketoisovaleric acid biosynthesis pathways 6606.
kinetics DNA-binding protein transfer, DNA 11038.
lac promoter, regulation transcription 7647.
lac repressor fragments, unfolding, calorimetry 4912.
lac repressor, X-ray scattering 8483.
lac y gene products, purification, transport 4831.
lac-repressor, spin-labelling, N.M.R. 4816.
lacI gene cDNA detection, genetic engineering 8665.
lacI gene, ICR-191 induction frameshift mutation 11270.
β-lactam antibiotics, antibacterial activity, structure-activity relationships 322.
D-lactate dehydrogenase biosynthesis, in vitro 8598.
lactose permease activity, association phosphoenolpyruvate-fructose phosphotransferase systems 12646.
lactose promoter, structure-activity relationships 11276.
lactose repressor, amino acid sequence, DNA-binding protein comparison 9713.
lactose repressor lactose operator complex, structure, electric dichroism 8680.
lactose repressor, tetranitromethane chemical modification effects on DNA binding activity 9702.
lactose repressors, thermal stability, relationship DNA binding, C.D. 8663.
lactose transport, kinetics 8374.
lacZ gene mutants, β-D-galactosidase biosynthesis 6707.
lamB gene mRNA, role secondary structure regulation translation initiation 7511.
lamB gene protein biosynthesis, lipids biosynthesis effects on 9645.
lamB gene protein, phage λ receptors, purification, characterization 8525.
lamB gene protein, structure, physicochemical properties 12555.
lamB gene proteins localization, genetic analysis 8531.
LamB gene proteins, outer membranes topography, monoclonal antibodies 8526.
lamB gene, receptors, attachment, phage λ, gene mapping 2888.
lamB gene, receptors, role, phage λ, attachment 2887.
length regulation DNA biosynthesis, cell division 12357.
leu B gene, complementation, leu 2 gene, Saccharomyces cerevisiae 243.
leuB gene, complementation, Saccharomyces cerevisiae leu2 gene 1597.
leucine operon, role, transcription, termination 6702.
leucine resistant mutant, acetohydroxy acid synthase, leucine toxicity 5757.
leukocytes (granulocytic) phagocytosis, intracellular killing, association, leukemia, man 9006.
leukocytes (polymorphonuclear) bactericidal activity, cattle 1898.
levels, reservoirs, water quality 1242.
lex A gene, nucleotide sequence, transcription 4102.
lexA gene gene products, purification, binding DNA 4842.
lexA gene gene products, purification, binding lexA operon 4843.
lincomycin, aminoglycoside antibiotics, β-lactam antibiotics, combination, antibacterial activity 7764.
lipopolysaccharide composition characterization 8639.
lipopolysaccharides, effects on, Plasmodium vinckei petteri, cytostasis, mice 10209.
lipopolysaccharides, endotoxins, Limulus lysate test, correlation, pyrogens tests 460.
lipopolysaccharides, immune response, lymphocytes B, association, dietary restrictions, mice 10232.

Escherichia coli, (continued)
lipopolysaccharides, monoclonal antibodies, specificity, idiotypes 10159
lipopolysaccharides, pyrogenicity, brain lipoproteins effects on, rabbits, rats, chickens 488
lipopolysaccharides, pyrogenicity inactivators, rabbits brain lipoproteins, column chromatography 489.
lipopolysaccharides, relationship, structure, activity mice 10226
lipopolysaccharides, role, phage T6 inactivation 11300
lipopolysaccharides, structure 2823
lipoproteins binding, peptidoglycans 4830.
lipoproteins biosynthesis 4958
liposomes+penicillins, antibacterial activity 5925
live, vaccination, immunoglobulin A, serum levels, pregnancy, pigs 4339
liver abscesses, children 10536
localization, elongation factor, ribosomes 165
localization, glutaredoxin, thioredoxin 11129.
lon (capR) gene products, proteinase, isolation, characterization 1525.
lon gene mutants, proteinase activity 5755.
lpp gene, use, genetic engineering 11275.
lysis Bdellovibrio, host-parasite interactions, waste water 9423.
lysis sensitivity, factors affecting 12334
lysogenization, phage P4 4116
lysozyme sensitivity, association, temperature 10961
lysozyme sensitivity, temperature effects on 12441
Maclura pomifera fruits extracts antibacterial activity 450
macrophages phagocytosis, interferon effects on 3219
magnesium content 4087
mal T gene, clones, operons, promoters, nucleotide sequence, gene products, identification, purification 11062
malate dehydrogenase, isolation, characterization 4867
malT gene expression regulation, association, transcription, translation 12786.
maltodextrin phosphorylase, amino acid sequence 8586
maltose, lactose, transport, inhibition, procaine 1341
maltose operon regulation, role catabolite activator protein 6693
maltose transacetyltransferase, characterization 8601
maltose transport 8638
maltose-binding protein, amino acid sequence 8521
maltose-binding protein, interaction, membrane vesicles 8538.
maltose-binding protein, phage 2 receptors proteins, interaction 5008.
maltose-binding protein secretion mechanisms, genetic analysis 8532.
man, feces isolates, plasmids, R factor R1, transfer, Escherichia coli 1683.
man, gastrointestinal tract infection, hemolysins effects on virulence 7995
man, gut, population dynamics, reviews 3264.
man, liver abscesses, treatment 8061
man urinary tract recurrent infection isolates, antigenic variants, antigen O 10146
mastitis, cattle 13383
mastitis, cattle, control programs 7259.
mastitis, disease control, cattle 12050
mastitis, factors affecting, cattle 1120
mastitis, mammary gland, epithelium regeneration, ultrastructure, experimental infection, cattle 2365.
mastitis, milk, levels, glucocorticoids, bovine serum albumin, cattle 12069
mechanisms aldehyde dehydrogenase, role NAD^+ binding, kinetics 7572.
media (selective), enumeration, feces, coliforms association 10852
media (selective), virulence, mice 7353.
membrane composition, iron, sulfur, ferredoxin, E.S.R. 1339
membrane fluidity, relationship polymyxin B antibacterial activity 10046
membrane permeability, vacuum effects on 12282
membrane potential effects on, maltose-binding protein, association, membrane vesicles 12291
membrane potential relationship lactose transport 9594.
membrane potential relationship lactose transport 9595
membrane proteins, biosynthesis, genetic analysis 12552.
membrane proteins, maturation, protons pumps effects on 65
membrane structure, LamB gene, OmpC gene proteins 6599
membrane turnover, outer membranes, protein biosynthesis 11092
membrane vesicles, D-lactate dehydrogenase reconstitution 4730
membrane vesicles, dihydrostreptomycin effects on active transport 9581.
membrane vesicles, tetracycline, active transport, characterization 2580
membranes, CMP-N-acetylneuraminate-galactosyl-glycoprotein sialyltransferase reactivation, lipids association 6643.
membranes, complement, dose-response effects, effects on 1890
membranes extracts, biochemical characteristics 12289
membranes, porins pores, diffusion, aminoglycoside antibiotics 10965
membranes protein composition, mutation, cpxA gene, cpxB gene, effects on 12788
membranes proteins, β-lactam antibiotics penetration 10964
membranes, receptors, phage T5, attachment, kinetics, Triton X-100, effects on 1660
membranes, transport, complement, effects on 1886.
membranes vesicles, diglyceride kinase, purification, hexamethylphosphoric triamide use 4904
meningitis, man, case surveys 3407.
meningitis, treatment, antibiotic 6059-S, children 2134
meningitis, treatment, cefoperazone, comparison, penicillins, gentamicin 11847.
meningitis, treatment, cefotaxime, children 895.
meningitis, treatment, mecillinam, ± ampicillin, ± moxalactam, animal models 9180
meningitis, treatment, moxalactam, man 887.
meningitis, ventriculitis, cefotaxime treatment, man 8013
mer gene, gene products, proteins, characterization 6613.
mercury reductase activity, comparison, Thiobacillus ferrooxidans 12615.
met gene, phage λ transduction 1639.
metabolism, antibacterial activity, phanquone 3085
methionine, metabolism, peptides, nutrient availability, effects on 2726.
methionine metabolism, peptides, nutrient availability, effects on 2727.
methionine operons, cloning, restriction endonuclease mapping, gene mapping 12783.
methionyl-tRNA synthetase interaction tRNA fMet 4813.
methionyl-tRNA synthetase, tRNA binding sites, inactivation 1454
methotrexate binding, tetrahydrofolate dehydrogenase 1555.
methylglyoxal drug resistance mutants, biosynthesis, release, glutathione 1791.
mezlocillin+metronidazole antibacterial activity, aerobic conditions 8780.
microcin biosynthesis, purification, characterization 5933.
microflora, genital tract, association, estrus cycle, dogs 9327.
microflora, incidence, vagina, urethra, urinary tract infection, females, man 3380.

Escherichia coli, (continued)
microflora, relationship, biocides, swimming pools, Australia 2479.
microwave radiation, temperature effects 56.
misonidazole, m-AMSA effects on radiosensitization, toxicity 12950.
mixed culture, +Candida, sterols, biosynthesis, drug sensitivity testing effects on 5988
mixed culture, Pseudomonas denitrificans, nitrate reduction, antagonism, rivers 8427.
mixed infection, Bacteroides fragilis, treatment, ornidazole, man 942.
mixed infection, rotavirus, scours, gastrointestinal tract infection, pathology, cattle 12048
morphology, alanine carboxypeptidase effects on 7420.
morphology, cefmenoxime, antibacterial activity 3027.
morphology, cefmenoxime, effects on 4177.
motility, chemotaxis, dissolved oxygen effects on 4734.
murein, characterization 11226.
mutagenicity testing, antibacterial activity, nitrofurans 8695.
mutants, amino acids regulation, guanosine nucleotides, correlation RNA biosynthesis 3911.
mutants, ana gene, pyruvic acid fermentation, gene mapping 1593.
mutants, antibiotic resistance, negamycin 11430.
mutants, autolysis, characterization 5829.
mutants, biosynthesis, cis-vaccenic acid, fatty acids, association, temperature 12723.
mutants, ColE1 plasmids, penicillin-binding protein, gene mapping, restriction-modification, screening 2911.
mutants, colicin K tolerance, expression, antibiotic resistance, ampicillin, plasmids 2910.
mutants, cytoplasmic membranes, septation, role, oxygen, radiation, effects on 2590.
mutants, detergents sensitivity, use, DNA recombinants 3080.
mutants, DNA polymerase I genes, DNA polymerase I role 11271.
mutants, DNA repair, U.V. radiation 2694.
mutants, DNA repair deficiency, freeze-thawing, effects on 1433.
mutants, fadR gene, acetic acid transport, utilization, glyoxylate shunts 1617.
mutants, genomes replication 6698.
mutants, gua operon, AMP induction, GMP repression 1590.
mutants, ilvB operon, valine, inhibition, growth 2873.
mutants, isocitrate dehydrogenase ($NADP^+$), purification, activity 5761.
mutants, isolation, colicins biosynthesis, Co1E1 plasmid, Co1E1 gene, characterization 5838
mutants, lactose promoter 4105
mutants, mannose isomerase, amino acid composition, characterization 1497
mutants, membranes, cytochromes, reconstitution, ATP, role 7485.
mutants, membranes proteins, characterization 2737.
mutants, nucleoids, DNA breaks, apurinic sites, methylmethanesulphonate, effects on 1435.
mutants, overproduction, D-serine dehydratase, β-D-galactosidase, chemostats 1632.
mutants, pH sensitivity 11283.
mutants, phage fd pili complex, membrane potential, ATP, effects on 1638
mutants, phenylalanine biosynthesis, continuous culture 9706.
mutants, R factor Rms201, maintenance, antibiotic resistance ampicillin 1691.
mutants, respiratory function, streptomycin uptake, ubi F gene, role, characterization 5844
mutants, RNA polymerase, restriction, phage T7 growth 5853.
mutants, role eup gene, coupling protons proline, lactose transport 2882.
mutants, rpmE gene, ribosomal protein L31, gene mapping 1600.
mutants, serine effects on drugs activity 10022.
mutants, streptomycin resistance, role, gene lrs, R factor R1 8807.
mutants, sulA gene, sulB gene, lon gene, radiosensitivity, U.V. radiation 1619.
mutation, microwave radiation effects on 12742.
mutation R factor R1drd-19, chloramphenicol antibiotic resistance 9881.
N.M.R., pyruvate dehydrogenase, cross-linking 9781.
NADH dehydrogenase incorporation membrane vesicles 4902.
neomycin effects on, DNA biosynthesis, RNA biosynthesis, in vitro 11053.
neoplasia, cefuroxim treatment, infection, man 12011.
nitrate reductase, enzymatic synthesis, oxygen effects on 6634
nitrate reductase, processing, assembly, cell membranes 2798.
nitrate reductase, purification, cyanide, ferricyanide effects on activity 8563.
nitrate reductase, subunits, purification, characterization 8570.
nitrate reduction, membrane potential measurements 8367.
nitrite reductase (NAD(P)H), kinetics 9764.
nitrite reductase (NAD(P)H), kinetics, inhibition, mechanisms 1550.
nitrofuran reductase components, column chromatography 4026.
nonsense mutant, btuB gene receptors function 12773.
nosocomial infection, catheters contamination, geriatrics 10529.
nosocomial infection, neonates, man, characterization 11878.
nosocomial infection, urinary tract, etiology, risk factors, man 10403.
nucleoids, centrifugation, effects on sedimentation 6525.
nucleoids, DNA polymerase activity 4862.
nucleosomes, models, transcription chromatin, RNA polymerase 11082.
5'-nucleotidase, release, osmotic shock, characterization 1499.
nucleotide 5',3'-polyphosphates effects on RNA biosynthesis 12531.
nucleotide sequence DNA, genes colicin E1 9674.
nucleotide sequence, frd operon, ampC operon 11268.
nucleotide sequence, frdB gene 11043.
nucleotide sequence, ompA gene promoters, cyclic AMP-binding protein binding sites 1634.
nucleotide sequence tRNA binding sites, rRNA 16S 7513.
nucleotide sequence tRNA Val binding sites, rRNA 16S, cross-linking, ribosomes 12529.
nusA gene proteins, binding, phage λ N gene proteins, effects on operons transcription 11302.
nutrient sources, 4-amino-5-hydroxymethylpyrimidine, role thiamine biosynthesis 5662
oirC plasmid incompatibility 12857.
ompA gene, nucleotide sequence, comparison Shigella dysenteriae 5821.
ompA gene, outer membranes proteins, gene expression 12805.
ompC gene, ompF gene, transport, outer membranes 4739.
operons fusion, association, β-D-galactosidase biosynthesis, virulence 10170.
opsonization, immunoglobulin G, binding, antibacterial activity, enzyme-linked immunosorbent assay 3156.
ornithine carbamoyltransferase, reaction phenylglyoxal, comparison aspartate carbamoyltransferase 4935.

Escherichia coli, (continued)
outer membranes, endotoxins, mitogens, proteins, identification, characterization 3168.
outer membranes, enterobactin receptors, purification, characterization 11120.
outer membranes, ferrichrome iron complex receptors, proteins isolation, antigenic characteristics 11558.
outer membranes, iron transport membrane proteins, identification 8523.
outer membranes, lamB gene protein, subunit structure, phage λ receptors 8524
outer membranes, LamB gene proteins, phage λ receptors, topography 8526.
outer membranes, membrane proteins, genetic analysis, reviews 7533
outer membranes, OmpA gene protein incorporation 9590.
outer membranes proteins, characterization, man isolates 1468.
outer membranes proteins, mitogenicity, association, mice, immune response 9001.
outer membranes proteins, structure 3933.
ovotransferrin, antibacterial activity, characterization 8830.
oxanosine, antibacterial activity 11420.
oxidative phosphorylation, role adenosinetriphosphatase 12470.
2-oxoglutarate dehydrogenase multienzyme complexes, structure, trypsin proteolysis, N.M.R. 11155.
Pasteurella multocida, plasmids, antibiotic resistance, streptomycin, drug resistance, sulphadiazine, transfer 3050.
pathogenicity, diarrhea, juveniles, cattle 9338.
pathology, epithelium, urinary bladder, experimental infection, rats 2104.
pBEU14 plasmid, recA gene proteins, overproduction 1612.
pBR322 plasmid, pBR325 plasmid, maintenance, continuous culture 5021.
pBR322 plasmid transfer, Podospora anserina, gene expression, replication 12834.
penicillin amidase, kinetics, mechanisms, mathematical models 4893
penicillin spheroplasts, triethyltin chloride, tripropyltin chloride, tributytin chloride, effects on 5134.
penicillin-binding protein peptidoglycan synthetase isoenzymes, purification, characterization 8585
penicillin-binding protein, peptidoglycans cross-linking activity 7625.
penicillin-binding protein precursors, cytoplasmic membranes 8540.
penicillinase activity, inhibitors, characterization 7577.
penicillinase, binding anthraquinone dyes 11133.
penicillinase biosynthesis, detection methodology 1515.
penicillinase, chemical modification, tyrosine residues 7541.
penicillinase genes, DNA nucleotide sequence, comparison Pseudomonas aeruginosa 5742.
penicillinase, inactivation, ceftazidime, kinetics 5120.
penicillinase, inhibition, olivanic acid derivatives, plasmids 7554.
peptidase, genes isolation, overproduction 1533.
peptidoglycans biosynthesis inhibition, cell walls biosynthesis inhibition, lipopeptin A 4957
peptidoglycans biosynthesis, mechanisms 12704.
peptidyltransferase inhibition, 2'(3')-O-(N-benzyloxycarbonylcycloleucyl) adenosine, (3'-5')2'(3')-O-(α-aminoisobutyryl)adenosine 9677.
periplasmic space proteins, gene localization, association, chromosomes replication termination 12793
peritonitis, malnutrition, feeding regimes effects on, rats 1107.
permeabilized cells, ultrastructure, characterization 9598.
permeabilized, glutamine synthetase adenylation 4047.
permeabilized, glutamine synthetase adenylation, regulation 4052.
peroxidase, thiocyanic acid, effects on hydrogen peroxide antibacterial activity 11206.
pfkB gene, transposon Tn10 insertion 262.
pgsA gene, clones, phosphatidylglycerophosphatase levels 1602.
pH, fluorescent probes 12458.
pH, intracellular levels, homeostasis, measurement, N.M.R. 2650.
phage λ, DNA, recombination, sites, integration 273.
phage Φ, effects on, DNA, conformation 12816.
phage λ genes, Xis gene, gene products, effects on recombination 5010.
phage λ infected cells, genes dosage effects on gene expression 11294.
phage λ infection effects on protein biosynthesis 5849.
phage λ infection, stimulation groE gene gene products biosynthesis 5846.
phage λ integration proteins, purification, characterization, role recombination 4840.
phage λ, prophages, DNA, recombinants, gene expression, genetic control 2892.
phage λ receptors, DNA, proteins, injection 269.
phage λ receptors, lamB gene protein, sugars transport 8527.
phage λ rev gene mutants, gene expression, lysogeny 5001.
phage
phage F_0lac characterization, F_0lac plasmid dependence 5004.
phage f1, DNA biosynthesis 4129.
phage f1 infection, DNA biosynthesis 2896.
phage f2 mRNA secondary structure effects on initiation complex formation 9858.
phage GA, RNA polymerase (RNA-dependent), purification, characterization 2893
phage Mu, replication, DNA, configurations 8718.
phage, prophages, induction, procarbazine 2897.
phage P1, circular DNA, biosynthesis 1659.
phage P4, propagation, presentation, plasmids, characterization 9861.
phage SPO1, protein biosynthesis, transcription regulation, genes 5857.
phage typing, relationship, mastitis, cattle 10877.
phage T4, DNA biosynthesis association 9849.
phage T4, DNA glycosylase assays 5854.
phage T4 infection, polynucleotide kinase mechanisms 1664.
phage T4 role, gene 28, gene products, folic acid, metabolism 6733.
phage T4 tRNA, activity, role, ribonuclease III 5012.
phage T7 DNA infection, role RNA polymerase 5847.
phage T7 induction protein kinase activity, characterization 9851.
phage T7 infection, DNA transport, role RNA polymerase 4127.
phage T7 replication, gene groM gene products effects on 4123.
phage T7, RNA polymerase initiation transcription 272.
phage ΦX174 host range mutants, isolation, characterization 1655.
phage Φ29 translation 1457.
phages, DNA biosynthesis, RNA biosynthesis, proteins, molecular weights 4119.
phages Enzymes, replacement succinate dehydrogenase function 5851.
phagocytosis, leukocytes, microbicidal activity, hypochlorous acid, myeloperoxidase activity 6926.
phagocytosis, leukocytes (neutrophilic), monocytes, lung macrophages, man 4322.
phagocytosis, macrophages, spleen, liver, turkeys 546.
phenanthrene, phenanthroline, antibacterial activity, structure-activity relationships 7863.
phenotypes, expression, nuclear division, mutation induction, association 6703.
phenylalanyl-tRNA elongation factor Tu complex, kinetics, structure analysis, kethoxal chemical modification GTP 11067.
phenylalanyl-tRNA synthetase, affinity labelling phenylalanine active sites 9758.
phenylalanyl-tRNA synthetase, zinc dependence, diadenosine 5',5″-P^1,P^4-tetraphosphate, activity 1442.
pheR gene cloning 12801.
phoA gene, promoters, nucleotide sequence, signals proteins, amino acid sequence 4093.
phoB gene, phoRgene, cloning, gene products analysis 7650.
phoE gene, cloning, gene expression 7658.
phosphatase, genes, amino acid sequence 6642.
phosphate effects on gene expression, lac Z gene× psi promoter 11274.
phosphate operon, relationship protein biosynthesis, reviews 12806.
phosphate, silver effects on, transport, uptake 12305.
phosphate transport, energetics 5636.
phosphatidylglycerol temperature-sensitive mutant, glycolipids, characterization 4952.
phosphocarrier protein, N.M.R. 7526.
phosphocarrier protein, X-ray crystallography 7591.
phosphoenolpyruvate carboxylase, kinetics, effectors 6650.
phosphoenolpyruvate genes, cloning, amino acid sequence, nucleotide sequence 7652.
phosphoenolpyruvate-protein phosphotransferase, magnesium, manganese effects on dimerization, phosphorylation 7579.
phosphoenolpyruvate-protein phosphotransferase, mechanisms phosphocarrier protein phosphorylation 7580.
phospholipid degradation, phospholipase C, envelopes mutants 6630.
phospholipids, characterization 11231.
phospholipids effects on D-lactate dehydrogenase activation, plasma membranes 4917.
phospholipids, metabolism, glucose media 2835.
phospholipids, phospholipase A_2 effects on 8642.
phosphotransferase, purification, characterization, carbohydrates transport 1541.
pigs animal isolates, antibiotic resistance, polymyxins 5119.
pigs scours, γ-globulins treatment 8086.
pili, adherence, epithelium, urinary tract, association, pyelonephritis, children 3387.
pili, amino acid composition, subunits molecular weight, antigenic characteristics 6499.
pili, antigens, purification, characterization, enzyme-linked immunosorbent assay 13003.
pili formation, catabolite repression effects on 12349.
pili formation, hemagglutination, adherence, association, antigens 10156.
pili, hemagglutinins, antigenic characteristics 6885.
pili, lectins receptors, binding sugars specificity 8381.
pili membrane proteins biosynthesis, role, tra gene 5839.
pili phase variations, operons fusion, genes transcription, control, transitions 5843.
pili, proteins, secondary structure, antigenic determinants 10168.
pili, role, cell agglutination 6485.
pili, subunits, characterization, purification 2724.
pili, subunits proteins, assembly, characterization 1371.
plasma membranes, E.S.R., molybdenum centers, iron-sulfur centers, nitrate reductase, distribution 12335.
plasma membranes vesicles, sodium transport, protons transport, mechanisms, reviews 12293.
plasmid ColE1, DNA biosynthesis initiation, role RNA primers 8730.
R plasmid, enhancement chromosomes mobilization, isolation, restriction-modification, genetic analysis 2918.
plasmid EP396, Ap gene transposition phage Φ80 12819.
plasmid NR1 localization 8742.
plasmid NTP113, gene mapping 6746.
plasmid pBL101, restriction endonuclease mapping, formate dehydrogenase, genes, DNA 6755.
plasmid pBRN3, restriction endonuclease mapping 11310.
plasmid pBR322, biosynthesis, hepatitis B virus antigens, use, diagnosis 9857.
plasmid pBR322, gene expression, DNA gyrase, nalidixic acid, novobiocin, effects on 2942.
plasmid pBR322× plasmid pC194, hybrids, instability 12828.
plasmid pBR322, plasmid pLM2, plasmid pSL222-4, transfer, gastrointestinal tract, man 7705.
plasmid pBR322, proinsulin, biosynthesis, characterization 6768.
plasmid pBR322, recombination, phage T7, association, DNA biosynthesis 2938.
plasmid pBR325, expression, Rous sarcoma virus, src gene, gene products 9862.
plasmid pBR325 loss, continuous culture 9883.
plasmid pCW2, hemolysins biosynthesis, association nephrotic syndrome 7699.
plasmid pIY2 characterization, association, D-lactate dehydrogenase activity 8735.
plasmid pJFM8, cloning, tetrahydrofolate dehydrogenase, purification, characterization 3978.
plasmid pKH80, relationship antibiotic resistance 12841.
plasmid pKY2257, translocations, Tn3 gene, deletion mutant 2945.
plasmid pK013, use α-neo-endorphin genetic engineering 4137.
plasmid pMB9 gene expression, phage T4 4120.
plasmid pPJ3b, replication, transposon Tn2301, inversion, insertion, phage λ 2943.
plasmid pR386, inhibition, phage T4 mutants, growth 5013.
plasmid pSM7322, antibiotic resistance, erythromycin, lincomycin 1685.
plasmid pWS6 stability, association compatibility 11277.
F plasmid, replication, cell cycle, effects on 2931.
plasmid RP4, transfer, Acinetobacter calcoaceticus, phage Mu, role, characterization 5852
plasmid RP4, transfer chromosomes 5885.
plasmid R483, F factors, genes assocation RNA degradation, restriction endonuclease mapping 12774.
plasmid S-a, plasmid Rts1, phenotypes, suppression, galE gene 2919.
P plasmid, transfer frequency, Rhizobium, maintenance 4132.
plasmid Y, incompatibility, segregation 12826.
plasmids, antibiotic resistance, amikacin, role, aminoglycoside phosphotransferase, genetic analysis 3047.
plasmids, antibiotic tolerance, amikacin derivatives 8799.
plasmids, characterization, isoelectric focusing 9884.
plasmids conjugation, drug resistance± enterotoxins production, antigen K88, relationship, raffinose fermentation 8862.
plasmids DNA analysis, Pseudomonas aeruginosa, Agrobacterium tumefaciens, 2949.
plasmids, enterotoxins, antigen K, colicins, relationship, epidemiology, pigs

Escherichia coli, (continued)
9863
plasmids, glg gene, asd gene, gene mapping, gene expression 6713
plasmids, hepatitis B surface antigen gene expression, vaccines, antibody response, rabbits 9867
T plasmids incidence, relationship, phage t infection 4986
plasmids, maintenance, continuous culture, effects on, growth 1667.
plasmids mediation, antibiotic resistance, aminoglycoside antibiotics 401
plasmids mediation antibiotic resistance, transfer, Bacteroides 2929.
plasmids, penicillinase, transient survival, transfer, Neisseria gonorrhoeae 2912.
plasmids, R factors, multiple antibiotic resistance, transfer, urinary tract infection, hospitals, man 3045
plasmids, R factors, role, drug resistance, nalidixic acid 286.
plasmids, recombinants, rrnB operon, gene mapping, nucleotide sequence 2850.
plasmids transformation, cold shock methodology 12831.
plasmids, trpS gene, characterization, nucleotide sequence, cloning 2941
plasmolysis, association, cell division 12316
pLC16-4 plasmid, ATP biosynthesis 5018.
pleuropneumonia, experimental infection, antibiotics treatment, animal models, man 10343
pneumonia, amoxicillin treatment, man 11739.
pneumonia, antibiotic resistance, amitracin, man, case reports 3320.
polA gene, DNA nucleotide sequence 8662
polA gene, recB gene, mutants, anaerobic conditions effects on colonies formation 12336.
polA1 gene, tif-1 gene, mutants, respiration, U.V. radiation effects on 263
pollution effects, fungicides, herbicides, hydrocarbons, water pollution 1208
pollution monitoring, rivers, South Africa 2493
polyamines deficient mutant, cell-free system, protein biosynthesis 6577.
polypeptides, immunogenetics, association insulin 8905
polyribosomes, structure, streptomycin effects on 317.
population levels, acidic hay effects on, feces, juveniles, cattle 9325.
porins, antigenic determinants, characterization, immunoperoxidase test 3183.
postoperative infection, colon surgery, prophylaxis, antibiotics, man 973.
postoperative infection, immunostimulation effects on, animal models 2188.
potassium transport, effects on pH gradients 57.
potassium, transport, pumps, lactic acid secretion 6502
potassium transport, regulation, efflux 3882
± prednisolone effects on leukocytes (neutrophilic) survival, glucose utilization, Escherichia coli clearance, dogs, in vitro 13040.
prephenate dehydratase, self-association 4051.
proline biosynthesis, x-glutamyl phosphate reductase 171.
promoters bacteriocins operons, DNA nucleotide sequence, gene regulation, plasmids 5876
promoters, tetracycline antibiotic resistance, cloning, use plasmid pBRH4 4970.
prostatitis, immunoglobulin G, immunoglobulin A, immune response 590.
protein biosynthesis, basic proteins, relationship DNA nucleotide sequence 9675.
protein biosynthesis, elongation factor Tu, inhibition, analogs, aurodox, kirromycin 3907
protein biosynthesis, inhibition, rifampicin 1465
protein biosynthesis inhibition, thermorubin role, mechanisms, ribosomes 6592.
protein biosynthesis, lipid biosynthesis effects on, outer membranes 3938.
protein biosynthesis, plasmid pTiC58 DNA, Agrobacterium tumefaciens 5870
protein biosynthesis, ribosomal subunit 50S, rRNA 5S, role tRNA binding 7512.
protein biosynthesis, tetracycline, minocycline, effects on 1734.
protein turnover, chemostats 3837.
proteinase, localization 6636.
proteinase, proteolysis, mechanisms 12578.
proteinase purification, role ATP 9750.
proteins, envelopes formation, mechanisms 2599.
proteins localization 8552.
proteins localization, association, pili formation 10936.
proteins, proline levels, genetic engineering 9723.
proteins receptors, phage T5, fhuA gene, antigen O effects on 2901.
proteins secretion mechanisms, mutation effects on 8533.
protonmotive force, potassium effects on 69.
protoplasts, lipopolysaccharide composition, role, complement, antibacterial activity, serum, man 1877
Pseudomonas aeruginosa gentamicin antibiotic resistance plasmids, expression 9995
Pseudomonas aeruginosa, Salmonella typhi, antigen (enterobacterial common), opsonization, rabbits 3179.
purification, characterization, antigen K99 10150
purification, characterization, glycerol-3-phosphate dehydrogenase 5781.
purification, characterization, penicillin amidase 9761.
purification, characterization, prephenate dehydrogenase, mutants, plasmids transformation 11138.
purification, characterization, proteinase multiple forms, plasma membranes 9745.
purification initiation factor 1, initiation factor 2, initiation factor 3, characterization C.D., N.M.R. 2739.
puromycin analogs photoaffinity labelling, ribosomes 12527.
puromycin analogs photoaffinity labelling, ribosomes 12528.
pyelonephritis, animal models 844.
pyelonephritis, antibiotics treatment, pharmacokinetics, animal models 13257.
pyelonephritis, antibody response, antigenic characteristics, rats 4293.
pyelonephritis, cefoperazone treatment, man 10347
pyelonephritis, experimental infection, antibody response, animal models 864.
pyelonephritis, experimental infection, methodology, animal models, man 10488.
pyelonephritis, pili, antigenic characteristics, man 10144.
pyelonephritis, treatment, mecillinam, comparison, cephaloridine, man 10514.
pyrI gene, cloning, nucleotide sequence 12507.
pyridines, antibacterial activity, synthesis 439.
pyridoxal 5'-phosphate, chemical modification, elongation factor G 12539.
pyridoxine, uptake, role, pyridoxal kinase 1427.
pyrroles derivatives, synthesis, antibacterial activity 424.
pyruvate dehydrogenase, gene mapping, aceE gene, aceF gene, lpd gene, linkage 5823.
pyruvate dehydrogenase (lipoamide), purification, characterization, comparison Salmonella typhimurium 11148.
pyruvate dehydrogenase, loci, expression 12813.
pyruvate dehydrogenase multienzyme complexes, mechanisms, role dihydrolipoamide acetyltransferase lipoic acid residues 11161.
pyruvate dehydrogenase multienzyme complexes, role dihydrolipoamide acetyltransferase lipoic acid residues mechanisms 11160.
pyruvate dehydrogenase, oxoglutarate dehydrogenase, enzymatic activity, lipoic acid effects on 202
pyruvate, excretion, carbon sources, succinate 8459.
pyruvate oxidase, deficient mutant, gene mapping, transposon Tn10 use 12791.
pyruvate oxidase, interaction, lipids 3983.
pyruvate oxidase, interaction, thiamin pyrophosphate 7558.
radiation, damage, association, oxygen 12952.
radioactive labelling methodology, association, charcoal adsorption 8280.
radioresistance, sewage sludge extracts, effects on 4219.
radiosensitivity, membranes fluidity, , 1368.
radiosensitivity, role, genes, nur gene, polA1 gene 1606.
radiosensitization, 2-nitroimidazoles, membranes 4727.
Raman spectroscopy, factors affecting cells interaction 12442.
recA gene protein, cleavage sites, phage λ, phage P22 repressors 9822.
recA gene protein directed sister chromatid exchange, mechanisms 8671.
recA gene protein DNA complex, characterization, electron microscopy 7498.
RecA gene protein induction, association, platinum(II) compounds 9694
recA gene protein, mechanisms, recombination 9823.
recA gene protein, mechanisms, role ATP hydrolysis 8485.
recA gene protein, proteolysis phage λ repressors monomers specificity 7683.
recA gene protein, purification 11122
recA gene protein, purification, methodology 7378.
recA gene protein, radioimmunoassay 11526.
recA gene protein, role, DNA repair, association, pyrimidines dimers, DNA binding protein 9673.
RecA gene proteins, LexA gene proteins, amino acid sequence, cleavage, purification 3927.
RecA gene proteins mechanisms DNA strands exchange 4107.
recA gene proteins, proteolysis phage λ repressors, stimulation DNA-binding protein 5005.
recAgene mutants, transcription 255
recB gene, recC gene, cloning, endodeoxyribonuclease V, purification, characterization 5840.
recBC gene protein, enzymes mechanisms, electron microscopy 7609.
recE gene, transduction, phage λ, expression, phage P2 lysogeny 1646.
receptors, phage T4, mutants, lipopolysaccharides, association, galactose residues 9845.
receptors sites, tail fibers, phage T4D, characterization 7675.
recombinants plasmids, U.V. radiation sensitivity, DNA repair 2933.
recombinants, plasmids, DNA transformation, isolation 1669.
recombination defective mutant, plasmids cloning 12769.
recombination, phage λ, Chi sites 4997.
recovery, surfaces, antibacterial activity, Thran 7844.
recovery, surfaces, antibacterial activity Thran 7845.
regrowth, antibacterial activity, ampicillin, azlocillin 12892.
regulation purE gene transcription 5815.
regulation uvrB operon, role DNA repair 6692.
regulation 6-phosphofructokinase activity 4003.
rep gene, DNA repair, U.V. radiation sensitivity 9842.
rep gene, rho gene, gene mapping 12776.
replication fidelity, role DNA polymerase I 4800.
replication origin regions, secondary structure, computer programs 4835.
replication, staphylococcus, plasmids, plasmid pSA5700, erythromycin, antibiotic resistance 8739.
replication termini, gene mapping 5836.
replication termini, restriction endonuclease mapping 5828.
resistant mutant, fatty acids antibacterial activity, role, membranes lipopolysaccharides 5147.
respiration, association, cytochrome o bioaccumulation 1425.
respiratory tract infection, sisomicin treatment, man 10351.
restriction endonuclease inhibitor genes, phage T4, lysogenization, cloning, mapping 7673.
reviews, tryptophan operon, nucleotide sequence, characterization 1460.
Rhizoctonia bataticola metabolites antibacterial activity 5131.
rho gene, gene mapping, cloning 12772.
ribonuclease D, purification, characterization 3914.
ribonuclease D, substrate specificity 3906.
ribonuclease E processing tRNA precursors 6579.
ribonuclease E role rRNA 5S precursors processing 11075.
ribonuclease F, substrate specificity 11085.
ribonuclease III, association, phage T7 mutants, gene expression 5011.
ribonucleoside-diphosphate reductase active sites 11083.
ribonucleoside-diphosphate reductase activity,
ribonucleoside-diphosphate reductase, glutaredoxin binding, glutathione derivatives inhibition 11149.
ribonucleotide reductase, Raman spectroscopy, iron, centers 7569.
ribose operon, mapping, transposition, evolution 8672.
ribose-binding protein, biosynthesis, secretion 6598.
ribosomal protein L7/L12, chemical modification, association succinic anhydride 11110.
ribosomal protein L7/L12, ribosomal protein L10 fluorescence labelling, ribosomes reconstitution 7516.
ribosomal protein L7/L12 self-association 1450.
ribosomal protein L1, detection, localization, ribosomal subunit 50S 6590.
ribosomal protein L10, ribosomal protein L7/L12 mRNA translation, ribosomal protein L10 inhibition 7510.
ribosomal protein L11, rRNA 23S, binding 3908.
ribosomal protein L11, tertiary structure, N.M.R. 2707.
ribosomal protein L12, amino acid sequence, comparison ribosomal proteins Micrococcus luteus 2712.
ribosomal protein L18, ribosomal protein L25 interaction rRNA 5S fragments 3902.
ribosomal protein L2 ribosomal protein L17 tRNA complex, tRNA binding 5711.
ribosomal protein L29, ribosomal protein L30, tertiary structure, hydrodynamics, ultracentrifugation, C.D. 11113.
ribosomal protein S1 genes, DNA nucleotide sequence 5822.
ribosomal protein S10 operon operons, nucleotide sequence 12514.
ribosomal protein S4, X-ray scattering conformational analysis 1480.
ribosomal protein S7, secondary structure, tertiary structure, N.M.R., C.D. 4815.
ribosomal proteins binding ribosomal proteins mRNA, inhibition translation 12542.
ribosomal proteins, binding RNA, tRNA 11086.
ribosomal proteins, comparison, Bacillus stearothermophilus, immunochemistry 4826.
ribosomal proteins, complex, rRNA, methodology 2697.
ribosomal proteins, crystallization 3905.
ribosomal proteins, distribution, scanning electron microscopy 3943.
ribosomal proteins, elongation factors gene expression, elongation factor Tu,

Escherichia coli, (continued)
elongation factor G levels effects on 6576.
ribosomal proteins genes, amber mutant, transcription regulation 4982.
ribosomal proteins, mRNA binding sites, chemical modification 1447.
ribosomal proteins, physicochemical properties, comparison Streptomyces granaticolor 4819.
ribosomal subunit 30S, interface, ribosomal subunit 50S, proteins, identification 8507
ribosomal subunit 30S, physicochemical properties 9689
ribosomal subunit 30S, ribosomal protein S1 localization 3904.
ribosomal subunit 30S, ribosomal proteins cross-linking rRNA 16S, use 4-azido-2,3,5,6-tetrafluoropyridine, 4-azido-3,5-dichloro-2,6-difluoropyridine 6595
ribosomal subunit 30S, ribosomal proteins localization 3903
ribosomal subunit 30S, rRNA, ribosomal proteins isolation, characterization 11072
ribosomal subunit 30S, rRNA 16S, topology 6584
ribosomal subunit 50S, assembly, reconstitution 11065
ribosomal subunit 50S, dimethylmaleic anhydride induction ribosomal proteins, dissociation 9678
ribosomal subunit 50S, electron microscopy 12541.
ribosomal subunit 50S, ribosomal protein L7/L12, purification, characterization 3900
ribosomal subunit 50S, rRNA 23S conformation 4822.
ribosomal subunit 50S, structure, models, X-ray scattering 5719.
ribosomal subunits interaction, thermodynamics 5715
ribosomal subunits, intermediates, characterization 4824.
ribosomes, binding, tetrahydroleucomycin, leucomycin derivatives effects on 7517.
ribosomes, binding yeasts tRNA Phe, kinetics, fluorescence 6578.
ribosomes biosynthesis, dependence, growth rate, regulation, galK gene, lacZ gene, gene expression 1446
ribosomes, initiation factor 3 cross-linking, characterization binding sites, effects on conformation, U.V. spectroscopy 12532.
ribosomes interaction tRNA Phe, Saccharomyces carlsbergensis, conformational analysis 6574
ribosomes, localization, elongation factor G, association, ribosomal protein S12 8503
ribosomes, localization ribosomal protein L7/L12, ribosomal protein L10, fluorescence energy transfer 7515.
ribosomes, poly(lysine) biosynthesis 6580.
ribosomes, proteins emergence domains 7507
ribosomes proteins release, dimethylmaleic anhydride induction, role, antibiotics, elongation factor G 11090.
ribosomes, recognition sites, role regulation translation, cloning, genetic engineering 12536
ribosomes release factors, purification, characterization, effects on translation 3916.
ribosomes, ribosomal proteins, binding sites, cross-linkage, termination factor 2 11078
ribosomes structure, rRNA 16S, isolation, nucleotide sequence fragments 5714.
ribosomes, thermorubin binding, fluorescence 7523.
ribosomes, tRNA 3'-terminus, binding sites, peptidyltransferase 9688
ribosomes, tRNA Phe binding sites ribosomal proteins 11071.
ribosomes, tRNA Phe, interaction, phosphorus analogs, pA-(AcMetGly) 177
rifampicin+trimethoprim antibacterial activity 372.
rifamycin binding proteins, isolation, affinity chromatography 2744.
RK2 plasmids, kil gene, lethality 12839.
RNA biosynthesis, enhancement, captan 163
RNA biosynthesis, rRNA, role, DNA gyrase 2708.
RNA biosynthesis, temperature effects on regulation 12544.
RNA biosynthesis, vitamin U effects on 162.
RNA, characterization, isolation 1458.
RNA, plasmid R1, copA gene, factors affecting expression 12785.
RNA polymerase β subunit genes, amber mutant suppressors efficiency, assays 6687
RNA polymerase σ-subunits, gramicidin interaction, Bacillus brevis 9681.
RNA polymerase, affinity labelling nucleotide binding sites 4901
RNA polymerase aggregates, structure, X-ray scattering 11159.
RNA polymerase binding, DNA, RP4 plasmid 1676.
RNA polymerase, binding, Proteus mirabilis phage 5006M 5858.
RNA polymerase, binding, Spinacea oleracea chloroplasts DNA 193
RNA polymerase, bis-(3'-5')-cyclic dinucleotides inhibition 11091.
RNA polymerase, captan inhibition, mechanisms 4855.
RNA polymerase, components, purification, characterization 4896.
RNA polymerase, DNA, heparin binding, effects on structure 8493
RNA polymerase, glutamine synthetase, purification 8577
RNA polymerase II activity, characterization 12675.
RNA polymerase II, RNA polymerase, DNA, chromatin templates specificity 4827.
RNA polymerase interaction ATP, N.M.R. 4825.
RNA polymerase kinetics, comparison purines, pyrimidines, transcription 1451.
RNA polymerase, lasers cross-linking
RNA polymerase, mechanisms, C.D. rifampicin binding 7586
RNA polymerase, mechanisms rifampicin inhibition 9684.
RNA polymerase, mechanisms transcription initiation, use phage T7 DNA 4996.
RNA polymerase, phage T5 gene products effects on 4988.
RNA polymerase, phage T7 DNA, mRNA complex, stability 7514
RNA polymerase promoters substrate specificity, phage ΦX174 DNA 11042.
RNA polymerase, recombination, association, replication, phage T4 9860.
RNA polymerase regonition DNA, role promoters sites stability 6571
RNA polymerase, substrate specificity, DNA SV40 6597.
RNA polymerase subunits, amino acid sequence, genes nucleotide sequence 12572.
RNA polymerase, subunits, amino acid sequence, nucleotide sequence comparison 4978.
RNA polymerase, subunits, assembly 12585
RNA polymerase termination, tryptophan operons, correlation models, characterization 5723.
RNA polymerase, transcription chromatin mRNA, comparison RNA polymerase II wheat germ 4823.
RNA polymerase, transcription, promoters, strands exchange 4820.
RNA polymerase, trypsin digestion 9773
RNA processing 8502.
RNA, processing, association, phage T7, phage λ, genetics, reviews 7519.
mRNA characterization, isolation, phages infection 6723
mRNA, translation initiation sites, comparison, characterization 6572.
mRNA, translation initiation sites, computer programs determination 6573.
rRNA, 3'-terminus, nucleotide sequence 7520

Escherichia coli, (continued)
rRNA conformational analysis, acridine orange 3909.
rRNA, degradation, phage λ prophages induction 5860.
rRNA gene, introns, nucleotide sequence, homology, Physarum polycephalum 160
rRNA genes, cloning, characterization 2715.
rRNA operons, gene mapping 6699.
rRNA, tRNA, biosynthesis regulation, guanosine 3'-diphosphate 5'-diphosphate 12546.
rRNA, uridine 5'-phosphate dimers, radiation, correlation cross-linking ribosomal proteins 5724.
rRNA 16S 3'-terminus base stacking, N.M.R. 7522.
rRNA 16S binding ribosomal subunit 30S 12543.
rRNA 16S, homology, Aspergillus nidulans rRNA 15S 166.
rRNA 16S polarity, DNA hybridization, psoralen cross-linking 11081.
rRNA 16S, secondary structure, use psoralen cross-linking, identification nucleotide sequence 6596.
rRNA 23S, isolation, nucleotide sequence 1459.
rRNA 23S, magnesium ions effects on 8504.
rRNA 23S, nucleotide sequence, homology rRNA 4.5S chloroplasts Zea mays 2706.
rRNA 5S, N.M.R. conformational analysis 9679.
rRNA 5S, binding ribosomal protein L18, ribosomal protein L25 6581.
rRNA 5S conformational analysis, endonuclease S1 (Aspergillus), digestion 11066.
rRNA 5S interaction ribosomal proteins, affinity chromatography 12525.
rRNA 5S, secondary structure, use phenyldiglyoxal cross-linking 4103.
tRNA anticodon loop residues, 5-methylaminomethyl-2-thiouracil, role U.V. radiation induction guanosine 3'-diphosphate 5'-diphosphate synthesis 3915.
tRNA binding, ribosomes 11070.
tRNA binding ribosomes effects on elongation factor G 11077.
tRNA binding ribosomes poly(U) complex, effects on structure 4810.
tRNA binding ribosomes, ultracentrifugation 3901.
tRNA binding sites localization, fluorescence, ribosomes 11068.
tRNA binding sites, ribosomes, chloramphenicol, effects on 2711.
tRNA, conformational analysis, phosphorescence 6586.
tRNA fMet analogs, synthesis, aminoacylation 12545.
tRNA fMet binding, Methionyl-tRNA synthetase 5716.
tRNA fMet initiation mechanisms, ribosomes 11074.
tRNA fMet, role anticodon loop methionyl-tRNA synthetase recognition 5722.
tRNA fMet, unfolding, N.M.R. 4811.
tRNA Gly, suppressors, nucleotide sequence 1448.
tRNA interaction elongation factor Tu ribosomes complex, GTP hydrolysis, aminoglycoside antibiotics effects on 3913.
tRNA$_f$ Met, synthesis, activity 1456.
tRNA, methylation, methylcobalamin, cyanocobalamin effects on 12586
tRNA Phe, conformation, ribosomes binding effects on, fluorescence 6582.
tRNA phe conformational analysis, E.S.R. 3912.
tRNA Phe cross-linking ribosomes 7518.
tRNA Phe, role elongation factor Tu hydrolysis GTP 8496.
tRNA tertiary structure, N-nitroso-N-ethylurea alkylation 6593.
tRNA Thr, gene mapping, identification 12763.
tRNA Tyr aggregation tyrosyl-tRNA synthetase 7617.
tRNA Tyr suppressors genes, construction, cloning 4967.
rne gene, restriction endonuclease mapping, hybridization analysis 12504.
role lactose permease lactose transport, pH effects on kinetics 3813.
± rotavirus, experimental infection, pathology, juveniles, sheep 3582
+rotavirus, immunization (passive), maternal transfer, antibody response, juveniles, cattle 9054.
+rotavirus, mixed infection, incidence, juveniles, cattle 12049.
rpoC gene, DNA nucleotide sequence, RNA polymerase β'-subunit amino acid sequence 7663.
rpsA gene, DNA nucleotide sequence 9718.
rrnG locus, promoters regions, cDNA nucleotide sequence 7644.
rrnX operon, transposon 9, insertion sequence 1, polarity, transcription 2722.
Saccharomyces cerevisiae, microwave radiation effects on 12742.
Salmonella naestved, R-factors, transposons, antibiotic resistance, chloramphenicol, characterization, genetic analysis 4131.
Salmonella typhimurium, H2 plasmid transfer, intestine, juveniles, cattle 9897.
scours, disease control, prophylaxis, vaccines, cattle 10276.
scours, pathology disease control, neonates, cattle 10721.
screening, antitumor antibiotics 3041.
secA gene, characterization, gene mapping 6697.
selection, allozymes, phosphogluconate dehydrogenase, genes, transduction 1588.
sensitivity, colicins, ColE plasmid, characterization, antibacterial activity 1686.
sepsis, assocition, stress induction ulcers, animal models 9313.
sepsis, effects on, levels, lipoprotein lipase, fatty acid synthetase, rats, animal models 10516.
sepsis, lung edema, role, immune response, dogs, Papio cynocephalus 1970.
septation, mathematical models 55.
septic shock, effects on membrane potential, skeletal muscle, rabbits 11975.
septic shock, relationship, vasopressin plasma levels, animal models 11962.
septicemia, association, gases embolism, diagnosis, clinical aspects, man, case reports 2226.
septicemia, cefoperazone, clinical trials, man 8050.
septicemia, diagnosis, pigs 4581.
septicemia, endocarditis, treatment, fosfomycin, man 3551.
septicemia, netilmitin, antibacterial activity, man 7113.
septicemia, nosocomial infection, Epidemiology, man 1042.
septicemia, treatment, plasmapheresis, neonates, man 6263.
L-serine O-sulfate inactivation glutamate decarboxylase, N.M.R. 11192.
serotypes, antigen O, antigen H, isolation, urinary tract infection, man 8943.
serotypes, isolation, cattle, juveniles 4707.
serotyping, relationship, pathogenicity 1291.
sewage effluents, coliforms, isolates, antibiotic resistance, transfer 12932.
sewage isolates, antibiotic resistance 11440.
Shigella sonnei, colicins, production, antibacterial activity, genetic analysis 12916.
showdomycin antibiotic resistance, characterization 5103.
sialic acid, esterification, immunoelectrophoresis 5792.
signal peptides, amino acid sequence, ompF gene proteins 9710.
signal peptides peptidase genes, genetic engineering 8660.
sodium chloride effects on 8430.
sodium hypochlorite, antibacterial activity, assays 3078.
sodium nitrite antibacterial activity 5128.
soil isolates, chloramphenicol antibiotic resistance 12923.
SOS repair, assays, use mutagenicity testing 12766.
spheroplasts, identification, indirect fluorescent antibody test 1309.

Escherichia coli, (continued)
  spheroplasts, interaction, maltose-binding protein, association, maltose 8372
  spheroplasts, transfection, phage Mu, DNA proteins complex 6729
  ssd gene mutants, phenotypes 7656
  stability, R factors Ent plasmid hybrids 9892
  str operon, promoters 6701
  strains, ampicillin, antibacterial activity 9959
  strains, antagonism, gastrointestinal tract, gnotobiotics mice 13415
  strains, capsules, virulence, bacteremia, neonates, rats 8942
  strains, characterization 2633
  strains, clinical isolates, genitourinary tract infection, phage typing, man 9540.
  strains, clinical isolates, production, colicin 12877
  strains, pili, interaction, leukocytes (polymorphonuclear), association, oxidative metabolism 10231
  strains, restriction endonuclease activity 8572.
  streptomycin dependent, vaccination, effects on enterotoxemia, pigs 6929.
  streptomycin effects on virulence 8760
  streptonigrin bactericidal activity, iron synergism 10042
  streptonigrin bactericidal activity, iron synergism 10042.
  succinate dehydrogenase, detergents effects on 3081
  succinate dehydrogenase, solubilization, characterization 11177
  sugars degradability, sterilation effects on 8460
  sugars osazones, antibacterial activity 10044
  sulfur assimilation 12402
  supercoiling, plasmid pBR322 supercoiling DNA, structure relationship activity 7646.
  superhelical ColE1, biosynthesis, DNA repair, associaton, RNA 11313.
  superhelical ColE1 DNA, complementary strands, RNA, base composition 11309.
  supX gene, DNA topoisomerase I 6706.
  surface water isolates, antibiotic resistance, drug resistance heavy metals 11443.
  survival, brackish water, sediments 8239.
  survival, dilution effects on, in vitro 1398
  survival, sediments, indicator species, microbial pollution 12170
  survival, soils (podzolic), temperature effects on 13478
  susceptibility, leukocytes phagocytosis, antibiotics stimulation 13027.
  susceptibility, leukocytes (polymorphonuclear), enhancement, chloramphenicol, in vitro 530
  SV40 DNA, protein biosynthesis, plasmids 2951
  synthesis, tRNA fMET 3'-terminus 12538.
  temperature effects, nucleoids 154.
  temperature effects on peptidoglycans biosynthesis 12701
  temperature-sensitive mutant, chloramphenicol, post-replication, DNA repair, U.V radiation 1426
  temperature-sensitive mutant, deo operon gene expression 12764
  temperature-sensitive mutant, dnaE gene, dnaN gene 11280
  temperature-sensitive mutant, phosphoenolpyruvate carboxykinase (ATP), biosynthesis, activity 4858.
  temperature-sensitive mutant, polysaccharides biosynthesis, storage, ultrastructure 1560
  temperature-sensitive mutant, R factor Rms201, segregation 7706
  temperature-sensitive mutant, termination factor rho, adenylate cyclase, expression, regulation 2709.
  termination factor rho, association promoters activity 8692.
  termination factor rho, oligomerization, interaction poly(C) 7521.
  termination factor rho, pyrophosphate effects on RNA binding, adenosinetriphosphatase activity 9683
  3'-terminus, localization, rRNA 5S, rRNA 23S, rRNA 16S 2705
  tetracycline antibiotic resistance selection, use plasmid pBR322, plasmid pDR42 11426
  tetrahydrofolate dehydrogenase analysis, isoelectric focusing, trimethoprim resistance, mediation, R factor 11208.
  tetrahydrofolate dehydrogenase, kinetics, mechanisms 11205.
  tetrahydrofolate dehydrogenase, trimethoprim analogs inhibition tetrahydrofolate dehydrogenase, antibacterial activity 12610
  tetrahydroleucomycin binding ribosomes, antibacterial activity 11089.
  Tetrahymena pyriformis, predator-prey interactions, growth rate 4616.
  thermal injury, recovery, media (enrichment), methodology 4665.
  thermal stability enterotoxins production 8874.
  Thermus thermophilus, guanosine 3',5'-bis(diphosphate) synthesizing enzyme, guanosine 3'-diphosphate 5'-triphosphate synthesizing enzyme, characterization, requirements 2693
  thialysine metabolism, effects on growth 8441.
  thiD locus, gene mapping 12757.
  L-thiocystine, metabolism, radioactive labelling, sulfur 12353.
  thioredoxin, activation phage T7 DNA polymerase, comparison chloroplasts, Spinacea oleracea 5002.
  thioredoxin, conformational analysis, C.D., fluorescence 3942.
  threonine dehydratase, role, α-acetolactate biosynthesis 12570
  threonine operon regulation relA gene gene expression 12760.
  thymidine effects on phage λ replication 1663
  thymidine incorporation, β-lactam antibiotics effects on 5101.
  thymine starvation, cell division relationship DNA biosynthesis 8457.
  thymine, uracil, catabolism, regulation 234.
  tiamulin resistant mutant, biochemical analysis, genetic analysis 12934.
  tnaA gene, nucleotide sequence 257.
  toluidine blue O, pH, light, effects on, antibacterial activity 10051.
  tonA gene gene products, membrane protein, characterization 6601.
  tonB gene, gene products role, reviews 8697
  toxigenicity, incidence, man, Philippines, antibiotics effects on 991.
  toxins, association, mastitis, cattle 4567
  transcription, DNA levels effects on 6583.
  transcription, rrnB operon, termination sites, pausing sites 3892.
  transcription termination, nusA1 gene, nusB5 gene, mutants 5009.
  transduction, ilv gene regulation sites, gene mapping, phage λ 5850.
  transduction, phage P1, prophages, argF gene, gene products, characterization 7679.
  transfection, phage T7 DNA 12822.
  transfection, SV40, polyoma virus, promoters, transcription, gpt gene 12767.
  transfer Pseudomonas plasmid RPL11 penicillinase 6756.
  transfer, R factors, food 8728.
  transfer, R-factors, Salmonella, antibiotic resistance, oxytetracycline, streptomycin 2932.
  transformation, gpt gene, phenotypes expression, cell lines 7643.
  transformation, plasmid pBR322 eukaryotes chimeras 5022.

Escherichia coli, (continued)
  transport, lactose, protons, stoichiometry 2591.
  transport, maltose, maltodextrin, association, lamB gene proteins 8637.
  transport, maltose, maltodextrin, role, proteins, gene malK, gene malF 8635.
  transport proteins, biosynthesis, regulation, structure, localization, genetic analysis 5730
  transport, role, putA gene, gene products , putP gene 6508.
  transposase, purification, characterization, transposon Tn3 8610
  transposition mutants, gene mapping, rRNA genes 6700.
  transposon Tn 10, RNA, characterization, antibiotic resistance, tetracycline, effects on 2710.
  transposon TnA, deletion mutant, tryptophan operon, plasmids 12804
  transposon Tn10, antibiotic resistance, tetracycline, characterization 5948.
  transposon Tn10, DNA, thermal stability, relationship gene regulation 5817.
  transposon Tn1771, recA gene, gene amplification 9869.
  transposon Tn21, termini nucleotide sequence 2935.
  transposon Tn2671, plasmid NR1, drug resistance determinants 6764
  transposon Tn3411 isolation, gene mapping 5871.
  transposons, insertion, cotransduction gap 6761.
  travellers diarrhea, prophylaxis, doxycylcine, bismuth subsalicylate 9143.
  traveller's diarrhea, man, reviews 4412.
  traveller's diarrhea, treatment, erythromycin, effects on, microflora, man 11769
  trimethoprim drug resistance, role, transposons 6754.
  trimethoprim, sulphonamides, effects on, hemagglutination, adherence, ultrastructure 8827.
  trimethylamine N-oxide reductase, protons, translocation, molybdenum, requirements, anaerobic conditions 3963.
  trimethylamine N-oxide reductase, role, electron transport, drug resistance, chlorate 2681.
  trpD gene, DNA nucleotide sequence 7648.
  trpR gene, gene expression, role tryptophan repressors 11290.
  tryptophan operon promoters, regulation transcription 7649.
  tryptophan operon regulation regions nucleotide sequence, comparison, Citrobacter freundii 12522.
  tryptophan operon, regulation transcription termination 6588.
  tryptophan operon, repressors regulation 7645
  tryptophan operon, termination transcription 11080.
  tryptophan synthase β-subunit dimerization, kinetics, mechanisms, fluorescence 7589
  tryptophan synthase α-subunit, guanidine hydrochloride induction unfolding 7610.
  tryptophan synthase β-subunit, renaturation kinetics 7590.
  tryptophan synthase, interaction, pyridoxal 5'-phosphate derivatives 208.
  tuf gene, duplication, gene mapping 2871.
  tuftsin, bactericidal activity, immunostimulation, phagocytosis, macrophages, mice 6070
  typing, urinary tract isolates 40
  tyrosyl-tRNA synthetase, conferences 8250.
  tyrosyl-tRNA synthetase genes cloning 11260.
  U.V. radiation, DNA secondary structure role mutagenesis level 11044.
  U.V. radiation effects on, DNA repair efficiency 8487.
  U.V. radiation, factors affecting radioresistance 8859.
  U.V. radiation lesions, phage Sd, protein biosynthesis inhibitors, DNA repair pathway 6724.
  U.V. radiation lethality, role, DNA repair 2703.
  U.V. radiation, mutagenesis, DNA repair 2691.
  U.V. radiation photoprotection, role rel gene, 4-thiouridine 7641
  U.V. radiation radioresistance, magnetic fields effects on 6851.
  U.V. radiation radiosensitivity, membranes fatty acid composition effects on 5631
  uhp-lac operon, transport glucose-6-phosphate, induction, regulation 1616.
  uidA gene, uidR gene, cloning, restriction endonuclease mapping 6691.
  umuC gene, gene regulation 11278.
  unc operon, cloning, restriction endonuclease mapping, gene mapping 11257.
  URA1 gene, gene expression, cloning, role promoters 6710.
  uridine phosphorylase, thymidine phosphorylase, purine-nucleoside phosphorylase, mechanisms 7570.
  urinary tract clinical isolates, hemolysins, biosynthesis, relationship, virulence, animal models 3151.
  urinary tract clinical isolates, incidence, antibiotic resistance, man 4435.
  urinary tract infection, antibody-coated bacteria, serotyping, man 8927.
  urinary tract infection, association, spinal cord injuries, man 2081.
  urinary tract infection, azlocillin treatment, man 11812.
  urinary tract infection, cefaperazone treatment, man 8002.
  urinary tract infection, cefazolin, +dicloxacillin treatment, man 10393.
  urinary tract infection, cefotaxime treatment, man 6213.
  urinary tract infection, diagnosis, prophylaxis, geriatrics, man 7035.
  urinary tract infection, etiology, pathophysiology, diagnosis, treatment, man 4433.
  urinary tract infection, incidence, clinical aspects, pathogenesis, children 7039.
  urinary tract infection isolates, antibacterial activity, antibiotic MK-0366, in vitro 8823
  urinary tract, infection, isolates, antibiotic resistance, association, serum, bactericidal activity, resistance 5952.
  urinary tract infection, man, antibacterial activity, cinoxacin, DNA biosynthesis inhibition 8829
  urinary tract infection, man, treatment, nitrofurantoin, methenamine 11797.
  urinary tract infection, netilmicin, antibacterial activity, man 7043.
  urinary tract infection, pathology, diagnosis, man 873.
  urinary tract infection, pathology, reviews, man 6223.
  urinary tract infection, relationship, cholestasis, association, pregnancy, man 13208.
  urinary tract infection, risks, ileovesical diversion, dogs 5463.
  urinary tract infection serotypes, biosynthesis, toxins, hemolysins 1800.
  urinary tract infection, treatment, bacampicillin, man 3384.
  urinary tract infection, treatment, cotrimoxazole, comparison, rifampicin+trimethoprim, man 2065.
  urinary tract infection, treatment, flumequine, nitrofurantoin, man 2056.
  urinary tract infection, treatment, fosfomycin, man 7032.
  urinary tract infection, treatment, methenamine hippurate, nitrofurantoin, females, man 875.
  urinary tract infection, treatment, moxalactam, cefazolin, adults, man 7999
  urinary tract infection, treatment, nalidixic acid+cotrifamol, children 2075.
  urinary tract infection, treatment, trimethoprim+sulfamethoxypyrazine, man 2077.
  urinary tract infection, treatment, trimethoprim+sulfamethopyrazine, man 13192.

Escherichia coli, (continued)
  urinary tract isolates, adherence, pili, plasmids construction 89.
  urinary tract recurrent infection, adherence, epithelium, man 11824.
  urine leukocytes (polymorphonuclear) effects on phagocytosis, opsonization, man 11598
  use, detection methodology, β-lactam antibiotics hydrolysis, penicillinase 2788
  use, suspension culture assays, detection DNA damage, mutagens 2529.
  uvr A gene proteins, purification, characterization 9714.
  uvrB gene, promoters, nucleotide sequence, regulation 2858.
  uvrC gene cloning, plasmid pUV7, restriction endonuclease mapping 11045.
  uvrC gene, cloning, proteins, isolation, characterization 1622.
  uvrC gene gene products identification 6604.
  vaccination, antibody response, antigen O, antigen K, mice 659.
  vaccination, antibody response, neonates, man 662.
  vaccination, effects on, antitoxins, levels, serum, pigs 1885
  vaccination, pregnancy, antibody response, maternal transfer, immunity (passive), juveniles, pigs 5257
  vaccination, prophylaxis, Escherichia coli pyelonephritis, antibody response, rats 5260.
  vaccines, animals, nomenclature, preparation 10274.
  vesicles, methodology, assays, solutes uptake, tetraphenylphosphonium 7410.
  viability, antibacterial activity, β-lactam antibiotics, role, adherence, surfaces 3026
  Vibrio cholerae, enterotoxins, antigenic determinants, antigenic relationship 3126
  Vibrio cholerae, enterotoxins, subunits, hybrids, electrophoresis 3128
  virulence, antigenicity, antigen O18, antigen K1, antigen H7, plasmid Co1V, effects on 1858
  virulence, cystitis isolates, feces isolates, man 11557
  washing treatment, effects on, Pseudomonas aeruginosa 12347.
  water pollution, swimming relationship gastroenteritis, man 6198
  wound infection, fractures, man 3444
  X-ray scattering GTP valyl-tRNA Val complex, X-ray scattering 3899
  xylose-binding protein, purification, characterization 9715
  yeasts, tRNA Glu+tRNA Phe complex, structure 12526.
  zinc content, effects on aminoacyl-tRNA synthetase 1531.
  zinc, induction cooperativity, ornithine carbamoyltransferase 9736
Escherichia intermedia,
  tyrosine phenol-lyase, activity, stereospecificity 7539.
Escherichieae,
  identification, association, hemagglutinins typing 2570.
Esculin,
  hydrolysis, anaerobic bacteria, measuring techniques 2568
Esophagus,
  tuberculosis, case reports, man 808
  tuberculosis, man, case reports 9131.
Essential oils,
  antimicrobial activity, bacteria 7858
  plants, antibacterial activity, antifungal activity, screening 4214.
  Vateria indica, antifungal activity, antibacterial activity 5138
Ester mycolic acids,
  Mycobacterium phlei, oxygen incorporation 12432
Esterase,
  complex, Mycobacterium phlei, liquid culture, age effects on 8618
  electrophoresis, characterization, Serratia odorifera, Serratia fonticola, Serratia ficaria 12665.
  membranes localization, characterization, Escherichia coli 5763
  Yersinia enterocolitica, Yersinia pseudotuberculosis, characterization, electrophoresis 4932.
Esterification,
  sialic acid, immunoelectrophoresis, Neisseria meningitidis, Escherichia coli 5792.
Esters,
  benzo[b]thiophene-3-carbamic acid, synthesis, antibacterial activity 1756
  hydrolysis, Bacillus subtilis alkaline protease 4873.
Estradiol,
  effects on Bacteroides 8408
Estrogen,
  levels, sheep, Chlamydia psittaci experimental infection, pregnancy 1081.
Estrogens,
  effects on bacteria adherence, HeLa cells 3829
Estrus cycle,
  association, genital tract microflora, aerobic bacteria, dogs 9327.
Estuaries,
  Aeromonas hydrophila 3756.
  aquatic microorganisms, detritus, biomass composition, community structure, light effects 3734
  association, Bdellovibrio, distribution, seasonal variations, USA 10816
  biodegradation, detritus, macrophytes, biogeochemistry, nitrogen, proteins 12165.
  Brazil, Achromobacter, Myxobacteriales, Pseudomonas, abundance, seasonal variations 1235
  estuaries 8243.
  Germany, Fed. Rep., bacterioplankton, waste water pollution effects 1240.
  Germany, Fed. Rep., intertidal environment sediments, bacterioplankton distribution 1247.
  heterotrophic bacteria, amino acids assimilation, seasonal variations 10809
  isolates, microorganisms, chitin biodegradation, stimulation azinphos-methyl 8418.
  isolates, Pseudomonas aeruginosa, antimicrobial activity, tin, organic compounds, inorganic compounds 8833.
  marine microorganisms, 8243.
  microorganisms, tin toxicity, factors affecting 7868.
  Mycobacterium, isolation 6440.
  sediments, denitrification 8195.
  sediments, methanogenic bacteria, ethane, biosynthesis 1576.
  sediments, nitrate reduction 9457.
  sediments, survival, Vibrio cholerae, Escherichia coli 8239.
  surveys, enumeration, coliforms, heterotrophic bacteria, India 8217.
  temperature, salinity, effects on, growth, Vibrio cholerae, in vitro 12413
  USA, North Carolina, Zostera marina, Halodule wrightii, rhizoplane, bacteria isolates, sediments, heavy metals sensitivity 7344.
Estuarine organisms,
  Protozoa, Vibrio, Pseudomonas, food webs, mercury bioaccumulation, pollution effects 8233
Estuarine organisms, (continued)
  tin methylation 9643.
Ethambutol,
  antibacterial activity, Mycobacterium avium-intracellulare 7804.
  drug sensitivity testing, Mycobacterium 5947.
  drugs treatment, tuberculosis lung, reviews 6195.
  effects on, Mycobacterium smegmatis, trehalose monomycolate, trehalose dimycolate, mycolic acid, biosynthesis 2824.
  ± rifampicin+isoniazid, treatment, lung tuberculosis, man 9107.
  +rifamycin+aminoglycoside antibiotics, antibiotic sensitivity testing, Mycobacterium 5906.
  treatment, Mycobacterium tuberculosis tuberculosis, man, Denmark 12010.
Ethane,
  biosynthesis, methanogenic bacteria, estuaries, sediments 1576.
Ethanol,
  antibacterial activity, Spiroplasma citri, Spiroplasma 7846.
  bactericidal activity, Mycobacterium bovis 10029.
  biosynthesis, cellulose fermentation, thermophilic bacteria 125.
  biosynthesis, hexoses+pentoses, fermentation, Saccharomyces cerevisiae, Clostridium acetobutylicum 11010.
  biosynthesis, Zymomonas anaerobia, factors affecting optimization 11248
  biosynthesis, Zymomonas mobilis, growth, bioreactors 9637.
  cellulose conversion, mesophilic bacteria, mixed culture, anaerobic microorganisms 7462.
  effects on, Bacillus subtilis, mutants, fatty acid composition, phospholipid composition, sporulation 1574.
  effects on, growth, Acinetobacter calcoaceticus, parameters 7469.
  effects on, N-nitrosodimethylamine, mutagenesis, in vivo, cell-free system, mice, assays 1603.
  effects on regulation fatty acid composition, Escherichia coli 5808.
  oxidation, enzymes, distribution, Methylomonas methanica 11218.
  production, Clostridium thermocellum, cellulose fermentation, continuous culture 2839.
  production, lignin, cellulose, biodegradation, methanogenesis, technology, reviews 8409.
  production, Zymomonas mobilis, molasses fermentation 10970.
  Zymomonas mobilis, tolerance, environmental conditions effects on 6854.
Ethanolamine,
  analogs effects on ethanolamine ammonia-lyase, Clostridium 9749.
Ethanolamine ammonia-lyase,
  ethanolamine analogs effects on, Clostridium 9749.
Ethidium bromide,
  analysis Streptomyces fradiae plasmids, neomycin biosynthesis 11317.
  effects on, Bacillus subtilis, Bacillus megaterium, spores, viability, heat resistance 3093
Ethionamide,
  +rifamycin+aminoglycoside antibiotics, antibiotic sensitivity testing, Mycobacterium 5906.
Ethionine,
  control, scab, Solanum tuberosum, Streptomyces scabies 1147.
  methionine analogs, macromolecules, biosynthesis, bacteria, reviews 9687.
Ethiopia,
  abattoirs, livestock, Salmonella, incidence 3610.
  children man, diarrhea, association enterotoxins, Escherichia coli, shigella, clinical aspects 6019.
  diarrhea, Enterobacteriaceae, incidence, seasonal variations, children 2028.
  leprosy, Mycobacterium leprae, incidence, man 6940.
  man, dental disorders 4377.
  man, detection, Escherichia coli, enterotoxins, antibodies 3229.
  man, incidence, bacteria skin diseases 6940.
  man, leprosy, age association 9078.
  man, leprosy, association, pregnancy, pathology 3279.
  man, leprosy, dapsone drug self-administration, Mycobacterium leprae 3277.
Ethnic groups,
  children, infants, gastroenteritis, incidence, Australia 2026.
  hemodialysis, association, tuberculosis, man 13148.
  man, relationship, erythema nodosum leprosum histopathology 688.
  seroepidemiology, Escherichia coli infection, man 11757.
  syphilis, serological tests, Kenya 4445.
2-Ethyl-5-(3-indolyl)oxazole,
  Streptomyces cinnamomeus, structure 7636.
  Streptomyces cinnamonensis, structure 11247.
Ethylene,
  biosynthesis, Pseudomonas putida, Pseudomonas fluorescens, soil, in vitro, aeration effects on 5541.
  biosynthesis, respiration, soil microorganisms, measuring techniques 8173.
Ethylene glycol,
  catabolism, bacterium T-52, in vitro 110.
  Mycobacterium metabolism 1391.
  uptake induction, Saccharomyces cerevisiae protoplasts, Azotobacter vinelandii, Anacystis nidulans, mechanisms 4619.
N-Ethylmaleimide,
  inhibition, maleylacetoacetate isomerase, Vibrio 2775.
Ethylmethanesulfonate,
  DNA binding, mutagenicity testing, Escherichia coli 11282.
Eubacterium,
  antibacterial activity, sulbenicillin 4174.
  antibody agglutination, serum, diagnosis, Crohn's disease, man 8916.
  Crohn's disease, diagnosis, serum antibody agglutination, Eubacterium, Peptostreptococcus 8916.
  dental plaque microflora, man, New Zealand 725.
  etiology, Crohn's disease, man 9132.
  induction, antibody response, agglutinins, mice, rats 11618.
  intestinal microflora, bowel, children, cefotiam, effects on 1918.
  isolation, abscesses, pigs 8094.
  phylogeny, rRNA 1449.
Eubacterium aerofaciens,
  7β-hydroxysteroid dehydrogenase, ursodeoxycholic acid, formation, association, mixed culture, Escherichia coli, Bacteroides fragilis 12611.
  role, etiology, mastitis, cattle 3635.
Eubacterium contortum,
  Crohn's disease, antibody response, man 9007.
  serum agglutinins induction, infection, rats, mice 10223.
Eubacterium lentum,
  conversion, cholic acid, chenodeoxycholic acid 6531.
  role, etiology, mastitis, cattle 3635.

Eubacterium limosum,
  biosynthesis, N,N-dimethylglycine, acetic acid, butyric acid, use, betaine 4071
  inhibition, Neisseria gonorrhoeae, growth, antibiosis, in vitro 13459.
  Lachnospira multiparus, mixed culture, pectin, metabolism, hydrogen transfer 2637.
  metabolism, methanol, hydrogen+carbon dioxide, media (culture) nutrient requirements 115
  phylogeny, rRNA 1449
Eubacterium plautii comb. nov.,
  characterizaton 8321.
Eubacterium rectale,
  Crohn's disease, antibody response, man 9007
Eubacterium saburreum,
  polysaccharides, carbohydrate composition, antigenic characteristics 4262.
  symbiosis, Veillonella parvula, role, dental plaque 7312
Eubacterium suis comb. nov.,
  association, Corynebacterium suis, taxonomic revision, characterization 8320.
Eubacterium tenue,
  phylogeny, rRNA 1449.
Eucalyptus marginata,
  leaf litter, bacteria, lysis, colonization, Phytophthora cinnamomi 1155.
Eucalyptus tetrodonta,
  forests, nitrogen fixation, Australia 1184
Euglena spirogyra,
  interaction, bacteria, continuous culture 3770
Eukaryotes,
  Bacillus anthracis toxins components effects on, characterization 7886
  cell-free system translation, poly(A), poly(U), comparison Escherichia coli 8495.
  plasmid pBR322 chimeras, transformation Escherichia coli 5022.
  protein biosynthesis, Escherichia coli, elongation factor Tu, inhibition 8530.
  rRNA, nucleotide sequence, secondary structure, comparison prokaryotes 3895.
  rRNA 5S, rRNA 5.8S, nucleotide sequence, secondary structure, evolution, comparison bacteria 8499
Eupatorium capillifolium,
  plant extracts, antibacterial activity, Bacillus subtilis 420
Eupenicillium abidjanum,
  antibiotic FA-2097, production, physicochemical properties, antibacterial activity 7811.
Euphausia crystallorophias,
  microflora 1133.
Euphausia superba,
  microflora 1133.
Euphorbia pulcherrima,
  canker, Pseudomonas viridiflava, symptoms, characterization 9403.
Europe,
  dieback, population dynamics, conferences, Abies alba 10848
  man, Calymmatobacterium granulomatis, granuloma inguinale, case reports 2149.
  rickettsiosis, pathology, diagnosis, man, reviews 13341
Eutrophic environment,
  Finland lakes, Actinomycetes, role, odors production 12181
  lakes, metabolism, organic compounds, biodegradation, microorganisms 12161.
  sediments, sulfate-reducing bacteria, utilization, hydrogen, sodium molybdenate 137
Eutrophic environments,
  bacteria distribution, coastal environment, association, pollution indicators, Germany, Fed. Rep. 8228
  coastal environment, phytoplankton, primary production, size distribution, exudates, nutrient sources, bacteria 12163.
  lakes sediments, bacteria, factors affecting methanogenesis 13526.
  lakes, USA, Wisconsin, heterotrophic bacteria, biomass, production 8244
Eutrophication,
  bacterioplankton, Black Sea 1238
  Protozoa, bacterioplankton, pollution effects on, enumeration, lagoons Italy 7340.
  seasonal variations, bacteria, biodegradation, phytoplankton, urea, levels, lakes 3743.
Evaluation,
  API-20 STREP, Streptococcus, clinical isolate characterization 8279.
  complement fixation, association, diagnosis, Haemophilus pleuropneumoniae, infection, pigs 8277
  identification methodology, Vibrio 8302.
  thermonuclease tests, Staphylococcus aureus identification, use 8283.
Evolution,
  bacteria antibiotic resistance, genetic control, role, plasmids, reviews 4196.
  bacteria, Cyanophyta, chemical properties, reviews 12744.
  bacteria, genetic analysis, mutation 9836.
  bacteria, halophiles, fatty acid composition, thin-layer chromatography 1557.
  bacteria, photophosphorylation, photosynthetic apparatus 6564.
  carbon dioxide, soil microorganisms, relationship, decomposition, cellulose 3722.
  genetic analysis chromosomes, Escherichia coli 1633.
  insertion sequence 1, R factor R100, deletion mutant, DNA nucleotide sequence 11255.
  Klebsiella ribitol dehydrogenase, structure, alcohol dehydrogenase, sheep, Drosophila 4883.
  lipid metabolism enzymes, bacteria, comparison amino acid composition 7560.
  mitochondria, Polymyxa palustris, bacteria, symbiosis, role, respiration 3677.
  nitrogen fixation mechanisms, microorganisms 13477.
  penicillinase genes, DNA nucleotide sequence, Escherichia coli, comparison Pseudomonas aeruginosa 2869.
  plasmids, gene mapping comparison 9904.
  ribosomes, models, ribosomal protein L3 interaction rRNA 5S, yeasts, comparison prokaryotes 8505.
  rRNA 5S, rRNA 5.8S, comparison eukaryotes, bacteria 8499.
  spore-forming bacteria, proteinase, physicochemical properties, structure 12581.
  transposition, ribose operon, Escherichia coli 8672.
Evolutionary genetics,
  β-D-galactosidase, Escherichia coli 4850.
  Pseudomonas fluorescens, strains, taxonomy (numerical), DNA hybridization, complement fixation 2876.
Exanthematous typhus,
  pathology, prognosis, man 9312.
  Rickettsia conorii, Rhipicephalus senguineus, transmission, man, case reports 2204.
Excision,
  phage γ-tsr-1, DNA hybridization, transduction, Corynebacterium diphtheriae, genetic analysis 1661.
Excretion,
  Campylobacter fetus, Salmonella agona, association, food hypersensitivity, milk, children, case reports 832.
  Escherichia coli, cyclic AMP, biosynthesis, continuous culture 9610.
  feces, chickens, Salmonella typhimurium, association, starvation 6348.
  feces, Yersinia enterocolitica, mice 9318.
  glutamate, Citrobacter intermedius, role, plasmids, isocitrate dehydrogenase, enzymatic activity 2812.
  glutamic acid, Citrobacter intermedius, antibacterial activity, chloramphenicol 1739.
  lysine, Micrococcus luteus, inhibition, threonine, mechanisms 1464.
  Micrococcus glutamicus, lysine 174.
  pyruvate, Escherichia coli, carbon sources, succinate 8459.
  Salmonella typhimurium, experimental infection, chickens, salinomycin effects on 5455.
  zinc, iron, urine, dogs, Pasteurella multocida, inoculation, effects on 2361.
Exfoliatin,
  production, Staphylococcus aureus, toxic shock syndrome clinical isolates, man 10077
  Staphylococcus aureus clinical isolates, biosynthesis 3125.
Exo-1,4-β-D-glucosidase,
  Bacillus, wort biodegradation 12602.
Exo-1,6-α-D-glucosidase,
  Arthrobacter globiformis, activity, mechanisms 4905.
Exo-1,4-β-D-xylosidase,
  activity comparison, Cellulomonas 8620.
  Bacillus circulans, purification, characterization 11169.
Exo-poly-α-D-galacturonidase,
  role, pectate lyase, biosynthesis, Erwinia crysanthemi 9734.
Exodeoxyribonuclease,
  deficient mutant, DNA restriction, Pseudomonas aeruginosa 12621.
Exodeoxyribonuclease I,
  Bacillus subtilis, sporulation, function, spo0H locus 8614.
Exodeoxyribonuclease III,
  substrate specificity, Escherichia coli 8510.
Exodeoxyribonuclease V,
  purification, characterization, Caulobacter crescentus 4878.
Exonuclease,
  hydrolysis, RNA, Bacillus brevis 8511.
  release, Micrococcus radiodurans, γ radiation effects on lipids membranes 8633
Exopolysaccharides,
  Rhizobium, composition, association, growth 7448.
Exotoxin A,
  crystallization, Pseudomonas aeruginosa 7876.
  Pseudomonas aeruginosa, cataracts, mice 6008.
  Pseudomonas aeruginosa infection, antibody response, cancer patients 3190.
  Pseudomonas aeruginosa, stimulation, detection, chemiluminescence 10101.
  Pseudomonas aeruginosa, structure, biological activity, proteinase, effects on 3129.
  purification, Pseudomonas aeruginosa 5990.
  Streptococcus pyogenes, effects on rabbits rats, association, pregnancy 10106.
Exotoxin C,
  production, purification, characterization, Staphylococcus aureus, association, toxic shock syndrome 10078.
  production, Staphylococcus aureus, clinical isolates, association, toxic shock syndrome, man 9785.
  production, Staphylococcus aureus, isolation, toxic shock syndrome, man, conferences 10839.
Exotoxins,
  Aeromonas hydrophila, characterization 10071.
  Bacillus megaterium, Arthrobacter, Serratia, Aeromonas, Aeromonas hydrophila, pathology, Eisenia fetida andrei, immunity 6066.
  Bacillus thuringiensis, biosynthesis 1806.
  Bacillus thuringiensis, effects on feeding, Agrotis ipsilon, Ostrinia nubilalis, Musca domestica 7896.
  bacteria, phospholipase C, use, probes, platelets membranes phospholipids organization 11480.
  bacteria, stimulation, leukocytes, detection, chemiluminescence 10101.
  biosynthesis, Streptococcus pyogenes, infection, phage T12 7684.
  Clostridium tetani, immunoglobulin M effects on, Ictalurus punctatus 3141.
  Corynebacterium ulcerans, characterization 10066.
  production, Staphylococcus aureus, toxic shock syndrome clinical isolates, pathogenicity, genetic control 9840.
  Pseudomonas aeruginosa, inhibition, macrophages, precursors, proliferation 10242.
  Pseudomonas aeruginosa, role pathogenicity, reviews 11540.
  Pseudomonas, localization, LM cells, role, calcium 5175.
  Staphylococcus aureus, association, toxic shock syndrome, man, reviews 3499.
  Staphylococcus, passage, role, round window, chemotaxis, leukocytes (polymorphonuclear), ear 10086.
  Streptococcus group A, biosynthesis, role, phages 6001.
  Streptococcus pyogenes, enzyme-linked immunosorbent assay, biosynthesis, regulation 461.
  toxicity, Bacillus thuringiensis, Agrotis ipsilon, Spodoptera frugiperda, Ostrinia nubilalis 7892.
Experimental,
  Staphylococcus aureus postoperative infection, sutures materials effects on, animal models 1039.
Experimental infection,
  Agrobacterium tumefaciens, crown gall, tumors, octopine, biosynthesis, Datura stramonium 2419.
  Anaplasma marginale, immune response (cell-mediated), cattle 3228.
  Anaplasma marginale, treatment, oxytretracycline, cattle 13387.
  animal models, pathogenesis 13295
  Ascaris suum, pigs, Salmonellosis, effects on 3577.
  Bacillus cereus, Moraxella, Carcinus maenas, nephrocytes, role, defense mechanisms, phagocytosis 2401.
  bacteria, dental roots, growth, animal models 1960.
  bacteria periodontitis, association, indomethacin effects on alveolar bone, animal models, man 13116.
  bacteria, treatment, amoxicillin± , clavulanic acid, animals 10658.
  bacteria, treatment, fosfomycin, mice 3039.
  Bacteroides, periodontal diseases, histology, animal models, man 13099.
  Barodetella bronchiseptica, × Pasteurella multocida, atrophic rhinitis, etiology, pigs 10713.
  Bordetella bronchiseptica, pigs, ammonia effects on 1075.

Experimental infection, (continued)
Borrelia duttoni, association, endotoxins release, relationship, serum levels, platelets, leukocytes, mice 8978.
Brucella abortus, +vaccination, association, leukocyte migration inhibition, cattle 9037
Campylobacter fecalis, enteritis, pathology, cattle 2369
cattle vesicular gland, Mycoplasma bovis, pathogenicity 10648
chickens, Mycoplasma synoviae, thymectomy, bursectomy, effects on 12052.
Chlamydia psittaci, oral administration, juveniles, sheep 6374.
Chlamydia psittaci, pregnancy, sheep 1081.
Chlamydia trachomatis, genital tract, marmosets, immunity, animal models 6218.
Chlamydia trachomatis, salpingitis, pathology, antibody response, animal models 10277.
cholecystitis, rabbits, Escherichia coli, detection, antibody-coated bacteria, bile 8990.
cholera, pathology, neonates, germfree mice 822.
Clostridium perfringens, chickens, pseudomembranous colitis, virginiamycin treatment 13406
Cocos nucifera wilt, Phytomonas, Micrococcus roseus, disease transmission, epidemiology, Trinidad 8139
colibacillosis, Escherichia coli, treatment, sulfachloropyridazine+trimethoprim, chickens, pigs 1103.
contagious equine metritis, treatment, abortion induction, horses 9351.
Corynebacterium equi, pathology, cattle 4557.
Coxiella burnetii pathogenicity, juveniles, mice 13405.
Coxiella burnetii, Q fever, vaccines, immunological aspects, man 11643.
cystitis, Proteus mirabilis, treatment, trimethoprim+sulfadiazine, juveniles, horses 2379.
Dermatophilus congolensis, orf virus, pathology, rabbits, sheep 4586.
Didelphis virginiana, Brucella abortus, pathogenesis 8118.
dogs, Canis lupus, Ursus americanus, Ursus ardros horribilis, Brucella suis 1063.
dogs, hemodialysis, endotoxins bacteria removal, ultrafiltration 1833.
effects on, sulfachloropyridazine potentiation, in vitro, in vivo 1103.
Ehrlichia phagocytophila, clinical aspects, Bison 4553
endocarditis, Streptococcus faecalis, antibiotic synergism, penicillins, streptomycins, rabbits 8098.
endocarditis, Streptococcus faecalis, penicillins, Streptomycin, treatment, rabbits 8097
endocarditis, Streptococcus intermedius, immune response (cell-mediated), mustine, immunosuppression, rabbits 6077
enteritis, Salmonella typhimurium, pathology, monkeys 9370.
Enterobacter cloacae, antibiotics treatment, effects on, immune response, mice 13370
Erysipelothrix rhusiopathiae, stimulation arthritis, rabbits 13397.
Escherichia coli, Bacteroides fragilis, effects on, metabolism, oxygen, pressure, liver, rats 3630.
Escherichia coli, haptoglobin effects on, rats 4515.
Escherichia coli, immune response, leukocytes (polymorphonuclear), urinary bladder epithelium, rats 5239.
Escherichia coli, mastitis, epithelium regeneration, ultrastructure, cattle 2365.
Escherichia coli, muscles, mice, pigs mucin effects on 7217.
Escherichia coli pyelonephritis, antibody response, animal models 864.
Escherichia coli, pyelonephritis, methodology, animal models, man 10488.
Escherichia coli, rats, antibacterial activity, cefmetazole comparison cephazolin 5923
Escherichia coli± rotavirus, pathology, juveniles, sheep 3582
Escherichia coli, teat, cattle, relationship, milking 3621.
Escherichia coli, treatment, use, phages, mice 8722.
eye, non-fermentative gram-negative bacteria, animal models, antibiotics treatment, man 13317.
gingivitis, histology, rats 6354.
gram-negative bacteria, gram-positive bacteria, mezlocillin treatment, mice 13261.
gram-negative bacteria, pathology, epithelium, urinary bladder, rats 2104.
gram-positive bacteria, gram-negative bacteria, treatment, ceftriaxone, antibacterial activity, mice 3567.
guinea-pigs, identification Leptospira antigens, counter immunoelectrophoresis 6878.
guinea-pigs, Neisseria gonorrhoeae, outer membranes, association, viability 5603
Haemobartonella muris, transmission (transplacental), rats 10684.
Haemophilus equigenitalis, contagious equine metritis, antibody response, horses 584.
Haemophilus influenzae, influenza A virus, nasal infection, synergism, neonates, rats 2346.
Klebsiella, Escherichia coli, pleuropneumonia, antibiotics treatment, animal models, man 10343.
Klebsiella, glucose-6-phosphate effects on fosfomycin treatment, animal models, man 11985.
Klebsiella pneumoniae, prostatitis, pathology, Mastomys natalensis, females 2074.
Legionella pneumophila, inflammation, macrophages, leukocytes (neutrophilic), morphology, guinea-pigs 11604.
Leptospira canicola, kidney pathology, pregnancy, hamsters 2076.
Leptospira interrogans, neutralization, immunoglobulins fractions, antisera, guinea-pigs 568.
Leptospira interrogans ser.canicola, Leptospira interrogans ser.icterohaemorrhagiae, antibody response, dogs 595.
Leptospira interrogans ser.icterohemorrhagiae, clinical aspects, blood pathology, dogs 2378.
Listeria monocytogenes, senescence, effects on, immunity, mice 11605.
meningitis, bacteremia, Streptococcus group B, pathology, animal models 2132.
mice brain, Mycobacterium leprae, disease spread, effects on immunity (cell-mediated) 13413.
mice guinea-pigs, Klebsiella pneumoniae, aerodin treatment, effects on immune response 6180.
Mycobacterium bovis, effects on, immunity (humoral), Plasmodium berghei, mice 4282.
Mycobacterium bovis, pathogenesis, Trichosurus vulpecula 5458.
Mycobacterium habana, Mycobacterium simiae, immune response (cell-mediated), suppressor cells, lung, gnotobiotics (specific pathogen free), mice 6063.
Mycobacterium intracellulare, pathogenesis, mice 6162.
Mycobacterium lepraemurium, DNA biosynthesis lymphocytes T, immunostimulation, mice 6908
Mycobacterium marinum, mice, immune response 565
Mycobacterium tuberculosis, immune response (cell-mediated), macrophages, release, hydrogen peroxide, guinea-pigs 10180
Mycoplasma gallisepticum, chickens respiratory tract, association lesions 6340.

Experimental infection, (continued)
Mycoplasma gallisepticum, pathology, genital tract, chickens 2374.
Mycoplasma hyopneumoniae, arthritis, antibody response, pigs 2210.
Mycoplasma pulmonis, arthritis, treatment, gentamicin, tobramycin, mice 2396.
Mycoplasma pulmonis, hydrocephalus, rats 890.
Neisseria gonorrhoeae, pili, antigenic characteristics, relationship, infection, guinea-pigs 1856.
Ornithodoros moubata, Rickettsia akari, disease resistance 13417.
Ovis, parainfluenza virus 3, ± Mycoplasma ovipneumoniae, ± Pasteurella haemolytica, pathology 7287.
Pasteurella haemolytica, pathology, sheep 7288.
Pasteurella multocida, bacteria enumeration, fever treatment, effects on, rabbits 2384.
Propionibacterium acnes, pathogenicity, mice 10149.
Proteus mirabilis, burn infection, pathology, rats 10528.
Proteus morganii, penicillinase production, association, treatment, β-lactam antibiotics, animal models 7150.
Providencia stuartii, treatment, tobramycin± carbenicillin, ± cephalosporins, mice 8054.
Pseudomonas aeruginosa, keratitis, eye, role, retinol deficiency, rabbits 2229.
Pseudomonas aeruginosa, M form, slimes, immune serum, immunization (passive), mice 9065.
Pseudomonas aeruginosa, pyelonephritis, treatment, ceftazidime, rats 5332.
rabbits guinea-pigs, Francisella tularensis, Pseudomonas aeruginosa, aerodin treatment, effects on immune response 6181.
rabbits, Staphylococcus aureus endocarditis, clindamycin treatment 9335.
Rickettsia, Ornithodoros moubata, pathogenicity, guinea-pigs 13416.
Rickettsia prowazekii, Glaucomys volans, Arthopoda vectors 1135.
Rickettsia slovaca, virulence, mice 1109.
Rickettsia tsutsugamushi, hypersensitivity (delayed), mice 5215.
Salmonella dublin, association, inoculum size, juveniles, cattle 3626.
Salmonella dublin, cattle± Fasciola hepatica infection effects on 1118.
Salmonella dublin, symptoms, zinc, plasma levels, cattle, juveniles 1102.
Salmonella gallinarum, pathogenesis, Coturnix coturnix 13379.
Salmonella typhimurium, antibiotic resistance, incidence, excretion, chickens, salinomycin effects on 5455.
Salmonella typhimurium, cetriaxone, comparison, moxalactam, ampicillin, mice 11896.
Salmonella typhimurium, immune response, antigen O, juveniles, cattle 9021.
Salmonella typhimurium, leukocyte migration inhibition, chickens 9013.
Salmonella typhimurium, RNA effects on immune response, rats 4292.
Salmonella typhimurium, skin reaction, antigen O 10175.
salmonellosis, association, leukocytes (neutrophilic) adherence, pigs, juveniles 5216.
salmonellosis, leukocytes (neutrophilic), bactericidal activity, pigs 5226.
salmonellosis, rabbits, effects on homeostasis 11983.
Serratia marcescens, Klebsiella pneumoniae, thiolactomycin treatment, mice 11931.
sheep, Ehrlichia phagocytophilia± Chlamydia psittaci, association lung lesions 10699.
Shigella, effects on thermal stability, plasma proteins, rabbits 13173.
Staphylococcus aureus, abscesses, brain, cats 1069.
Staphylococcus aureus, dogs blood vessels grafts, treatment, oxacillin bonding 13403.
Staphylococcus aureus, effects on, citric acid, levels, milk, cattle 7283.
Staphylococcus aureus, Klebsiella pneumoniae, immunological enhancement, staphage lysage, mice 3188.
Staphylococcus aureus, mastitis, histopathology, cattle 2393.
Staphylococcus aureus, neonates dogs, neutropenia, effects on leukocytes (neutrophilic), treatment blood transfusion leukocytes (granulocytic) 6376.
Staphylococcus aureus, rabbits osteomyelitis, antibody response 13023.
Staphylococcus aureus, Sturnus vulgaris, foot, Aves, animal models 7281.
Streptococcus faecalis, subcutaneous chambers, inflammation, association, accumulation, gallium citrate, leukocytes, rabbits 2209.
Streptococcus group B, mastitis, glucose, albumin, somatic cells, levels, cattle 3624.
Streptococcus group B, mice, meningitis, antibiotic synergism, ampicillin+gentamicin 13212.
Streptococcus group B, pathogenicity, pregnancy, mice 3571.
Streptococcus group D, urinary tract, rabbits, antibodies, levels 1878.
syphilis, Treponema pallidum, serum, regulation, lymphocytes response, rabbits 10182.
toxins, activity patterns, cerebellum, spinal cord, rabbits 485.
toxoids, Clostridium haemolyticum, immune response, cattle 1831.
Treponema hyodysenteriae, swine dysentary, pigs 10690.
Treponema pallidum, antigens, immune response, immunoglobulin G, rabbits 1874.
Treponema pallidum, immune response (cell-mediated), immune response (humoral), rabbits, treatment, cortisone, effects on 3198.
Ureaplasma, genital tract, cattle 3591.
Ureaplasma urealyticum, genitourinary tract, Cercopithecus aethipos 3611.
Yersinia enterocolitica, effects on Brucella abortus, antibody response, cattle, juveniles, guinea-pigs 1068.
Yersinia pestis, Mastomys natalensis, susceptibility, zoonoses 3616.

Exposure,
meningitis, relationship, Haemophilus influenzae, infection, man 4467.

Expression,
Escherichia coli galactose operon, phage λ prophages induction 4993.
Escherichia coli, temperature-sensitive mutant, adenylate cyclase, regulation, termination factor rho 2709.
plasmids, antibiotic resistance, ampicillin, Escherichia coli, mutants, antibiotic resistance, ampicillin, plasmids 2910.
plasmids, Staphylococcus aureus, Bacillus subtilis, Bacillus, transfer, replication 1671.

Extracellular enzymes,
Bacillus mesentericus, isoelectric focusing 12574.
Bacillus subtilis, proteinase, α-amylase, biosynthesis, sporulation 8573.
Bacillus subtilis var.amyloliquefaciens, proteinase biosynthesis, association nitrogen nutrient requirements 12598.
detection, Propionibacterium acnes 12616.
proteinase, Bacillus subtilis, role antibiotic tolerance, nafcillin 7822.
Vibrio parahaemolyticus, proteinase production, carbon sources effects on, growth rate correlation 12618.

Extracellular polymers,
Aeromonas hydrophila, polysaccharides biosynthesis 2829.
biosynthesis, Xanthomonas campestris, mutants 2825.
polysaccharides, characterization, relationship, host specificity, Rhizobium 215.
Streptococcus cremoris, slimes, biosynthesis 8632.

Extracellular polymers, (continued)
- Vibrio cholerae, proteinase, characterization 11096.
- xanthan, biodegradation, Bacillus soil isolates 7451

Extraction,
- spores lysis enzymes, Clostridium perfringens 5770.

Extracts,
- algae, marine environment, antifungal activity, antibacterial activity 1772.
- Allium sativum, antibacterial activity, growth stimulation, bacteria 444
- Listeria monocytogenes, phenol, purification, characterization 1799.
- Maclura pomifera fruits, antibacterial activity 450
- tuberculosis lesions, Mycobacterium tuberculosis modification 11465

Extraterrestrial life,
- microorganisms, pressure tolerance, Jupiter 13532.

Exudates,
- Bacillus cereus, spores, proteins, enhancement, bacteriostasis, S-nitrosomercaptoethanol 2741.
- Gramineae roots, amino acid composition, association, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9586.
- roots, Bouteloua gracilis, effects on, Arthrobacter, Pseudomonas, streptomycin antibiotic resistance 2444
- roots, Gramineae, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9585.

Eye,
- atrophy, association, meningitis, incidence 901.
- blood vessels, rabbits, Salmonella typhimurium endotoxins effects on 6871
- Chlamydia, infection, clinical aspects, diagnosis, treatment, man, case reports 3477.
- Chlamydia trachomatis, infection, treatment, topical application, rifampicin, chlortetracycline, man 3445.
- experimental infection, non-fermentative gram-negative bacteria, animal models, antibiotics treatment, man 13317
- granuloma, association, tuberculosis, pathology, Ateles geoffroyi, Macaca mulatta 8104.
- infection, Pseudomonas aeruginosa, U.V. radiation, diagnosis, man 11954.
- josamycin antimicrobial activity, association, oral administration, man 10455
- microflora, man, enumeration, identification, methodology 4676.
- pathogens, antimicrobial activity, amikacin analogs, gentamicin 5908.
- pathology, erythema nodosum leprosum, man, case reports 6146
- Pseudomonas aeruginosa, keratitis, role, retinol deficiency, rabbits 2229.
- reactivity, association, meningitis, Mycobacterium tuberculosis, man, case reports 7058
- tuberculosis, case reports, man 950.

Eye diseases,
- bacteria distribution, drug sensitivity testing, case surveys 7111
- bacteria distribution, screening, Staphylococcus epidermidis, Streptococcus, Enterobacteriaceae, Pseudomonas, Neisseria, case surveys 6852
- man, infection, bacteria, antibiotics treatment 10492.
- man, neurosyphilis, case reports 10494
- Neisseria gonorrhoeae, inflammation, man, case reports 7187

Eye infection,
- bacteria, treatment, topical application, tobramycin, gentamicin sulfate, man 5397
- Chlamydia trachomatis, man 7088
- outbreaks, Staphylococcus, Amazona aestiva 3566.
- Pseudomonas aeruginosa, resistance, genetic analysis, animal models 997.
- turkeys, Pasteurella multocida 1057

Eyedrops,
- contamination, association, Serratia marcescens keratitis, treatment, man, case reports 10453.

Eyes,
- man, Pseudomonas aeruginosa isolation, biotyping, pathogenicity, rabbits cornea 6483.

F_1-F_0 Adenosine triphosphatase,
- Streptococcus faecalis, purification, characterization 1534

Fab,
- immunoglobulin G, effects on Streptococcus group A Fc receptors, rabbits 4270.

Fabrics,
- surgical clothing, Micrococcus, Staphylococcus, penetration 2187.

Face,
- bacteria meningitis, recurrent infection, pathology, case reports, children 11843.
- leprosy, distribution, man, case reports 4363
- paralysis, association, syphilis, man, case reports 11861.

Factor A,
- role, blocking, streptomycin production, Streptomyces griseus mutants 7753

Factor F420,
- biodegradation, Methanobacterium thermoautotrophicum, association, oxygen 4962.

R factors,
- gentamicin, antibiotic resistance, plasmids, transposon Tn733, detection 1748.
- relationship antibiotic resistance, Klebsiella pneumoniae 5027.
- role ampicillin antibiotic resistance transfer, Salmonella newport 5031

Factors affecting,
- Vibrio cholerae, Vibrio parahaemolyticus, brush

Falco peregrinus,
- Salmonella infection, incidence, pathogenesis, breeding houses, USA, New York 8100

Fallopian tube,
- Chlamydia trachomatis isolation, salpingitis, clinical aspects, immune response, man 923.
- mucosa, Neisseria adherence, role, pathogenesis, man 11825.

False-positives,
- identification, Mycobacterium tuberculosis, Mycobacterium gordonae 6469

Far East,
- Legionella pneumophila, pneumonia, man, case reports 4386.

Farmer's lung,
- association celiac disease, man 5238.
- Micropolyspora faeni, hypersensitivity, diagnosis, skin tests, characterization, man 7938.
- Micropolyspora faeni, man 5240.

Fascia,
- head and neck, infection, diagnosis, computed tomography, man 8041.

Fasciola hepatica,
- infection, effects on Salmonella dublin experimental infection, cattle 1118.

Fasciola hepatica, (continued)
- infection, effects on Salmonella dublin oral infection, cattle 7273
- microflora, bacteria 13419

Fastidious anaerobe broth,
- blood culture, bacteria isolation 7357.

Fasting,
- Rana pipiens, effects on intestinal microflora, bacteria 8084.

Fats,
- dietary intake, tumors, carcinoma, bacteria, viruses, fungi, immune system, animal models, man, reviews, conferences 13265.

Fatty acid biosynthesis,
- rumen microorganisms, amines effects on 1050.

Fatty acid composition,
- Actinobacillus actinomycetemcomitans, Actinobacillus, Haemophilus aphrophilus, clinical isolates 6678
- association, incubation temperature effects on Escherichia coli heat resistance 5989.
- association Thiobacillus taxonomy 12248
- association, virulence, chromatography, Xanthomonas 12722.
- Bacillus subtilis, mutants, phospholipid composition, sporulation, methanol, ethanol, effects on 1574.
- bacteria, halophiles, evolution, thin-layer chromatography 1557.
- Bacteroides gingivalis, association, characterization 7384.
- Campylobacter, biochemical characteristics, identification, taxonomy 1302.
- Clostridium perfringens type A, regulation 225.
- diets, maternal transfer, effects on Lactobacillus intestinal microflora, establishment, gnotobiotics, neonates 1123.
- Ectothiorhodospira, chromatography, spectroscopy 12716.
- Escherichia coli, regulation, ethanol, temperature, chaotropic agents, effects on 5808
- Escherichia coli, temperature effects, growth conditions effects on 228.
- Fusobacterium, gas chromatography, taxonomic significance 1572.
- Gardnerella vaginalis isolation methodology, gas chromatography 9507.
- gram-negative bacteria, isolation, sediments, methodology 12712.
- identification, Brucella canis, Brucella suis 6677.
- Legionella longbeachae sp.nov. 2838.
- Legionella pneumophila 229.
- lipids, luminous bacteria 12725.
- membranes, effects on, Bacillus subtilis, sporulation 2612.
- membranes, effects on Escherichia coli U.V. radiation radiosensitivity 5631.
- Microsporum, temperature effects on 8644.
- Mycobacterium rubrum, phospholipids 12714.
- Pasteurella multocida clinical isolates 4951
- phospholipids, structure, Pseudomonas solanacearum 11233.
- relationship, uptake, glucose, lactose, Pseudomonas, Vibrio 8421.
- Salmonella typhimurium, benzoic acid, deoxycholic acid, effects on 12720.
- Sphingobacterium gen.nov, cytophaga johnsonae 9801.
- Staphylococcus aureus, phospholipids, methicillin effects on 8382.
- Staphylococcus, milk isolates 233.
- Streptomyces griseus, phospholipids, relationship, growth 4080.
- Yersinia pseudotuberculosis, Yersinia enterocolitica, gas-liquid chromatography 9808.

Fatty acid reductase,
- purification, characterization, Photobacterium phosphoreum 4913.

Fatty acid synthetase,
- Saccharomyces cerevisiae, stereochemistry mechanisms comparison Brevibacterium ammoniagenes 5738.
- sepsis, Escherichia coli, effects on, levels, rats, animal models 10516.

Fatty acids,
- antibacterial activity, Escherichia coli resistant mutant, role, membranes lipopolysaccharides 5147.
- antimicrobial activity, reviews 423.
- association, Escherichia coli autolysis, induction, regulation 12342.
- auxotrophy, Escherichia coli, morphogenesis, fatty acids effects on 66.
- Bacillus, inhibition, penicillinase, high-performance liquid chromatography, screening 2796
- biodegradation, bacteria 226.
- biosynthesis, Escherichia coli mutants, association, temperature 12723.
- biosynthesis, Streptococcus lactis subsp.diacetylactis, Lactobacillus bulgaricus, Lactobacillus casei, mutants, milk 4953.
- biosynthesis, utilization, composition, Caulobacter crescentus 12718.
- digestion (anaerobic), soil microorganisms 8208
- effects on Escherichia coli morphogenesis, fatty acids auxotrophy 66.
- Escherichia coli, auxotrophs, growth, phospholipid composition, carbon sources effects on 3856
- Escherichia coli, degradation, regulation, transcription, genetic analysis 2836.
- growth inhibitors, Clostridium sporogenes, anotox absorption, anaerobic environments 10864
- hydroxylation, +oxidation, role, cytochrome P-450, Bacillus megaterium 4788.
- Leptotrichia buccalis, taxonomy relationship 12719.
- metabolism, microorganisms, anaerobic environments, salt marshes 12713.
- metabolism, Mycobacterium, measuring techniques, radiometry 12715.
- Nocardia asteroides, isolation, characterization 6680
- nutrient requirements, Treponema denticola, Treponema vincentii, biosynthesis association 8406
- polymerization, Bacillus cereus 12724.
- Pseudomonas aeruginosa, media (culture) carbon sources effects on 2833.
- relationship, unsaturated-phospholipid methyltransferase, biosynthesis, growth conditions, Proteus vulgaris 12656.
- structure-activity relationships, antibacterial activity, Bacillus subtilis, Escherichia coli 10048
- utilization, sulfate-reducing bacteria, sediments, marine environment 112.

Fatty alcohols,
- lipophilic acids, synergism, antibacterial activity, Bacillus subtilis 430.

Fatty-acid synthetase,
- lipoproteins, Escherichia coli, endotoxins effects on 8893.
- Propionibacterium shermanii, characterization 12625.

Fc,
- receptors, Brucella abortus, binding, EDTA immunoglobulin M, agglutination 7909.
- receptors, gram-positive bacteria, binding immunoglobulin G 11559.
- receptors, immunoglobulin G, incidence, streptococcus group A 8937.
- receptors, role, phagocytosis, Neisseria gonorrhoeae, macrophages 1876.
- receptors, Streptococcus group A, localization 12292.
- receptors, Streptococcus group A, rabbits immunoglobulin G Fab effects on 4270.

Feathers,
- biodegradation, soil Streptomyces 8424.

Fecal microflora,
  Anser 13356.
  bacteria, feeding effects on, infants, man 7962.
  Bacteroides incidence, relationship, metronidazole serum levels, Crohn's disease, man 834.
  Branta 13356.
  cancer patients, bacteria, characterization 9071.
  cefoperazone, treatment, effects on, man 11656.
  effects on, Crohn's disease, treatment, metronidazole, sulfasalazine, man 674.
  man, characterization, use, animals gnotobiotics (germfree) 6939.
  man, Crohn's disease, bacteria 5266.
  man, erythromycin treatment effects on 9069
  metronidazole, sulfasalazine, effects on, man 672.
  oral microflora, leukemia, man, chemotherapy, antibiotic therapy, effects on 3268.
Feces,
  bacteria detection, diarrhea ecology, diagnosis, man 6200
  bacteria, soil pollution, land managment relationship 8202.
  Bacteroides, detection, isolation, neonates, man 3261.
  Campylobacter fetus subsp.jejuni excretion, diarrhea erythromycin treatment effects on, man 3364.
  Campylobacter fetus subsp.jejuni, isolation, carriers, pigeons 4556
  Campylobacter, isolation, dogs 1113.
  children man, diarrhea, Clostridium difficile toxins, association cytopathogenesis 6017.
  clearance, Yersinia enterocolitica, association, Yersinia enterocolitica vaccination, antibody response 10259.
  Clostridium difficile, isolation, methodology, man 2517.
  Clostridium difficile, toxins, pseudomembranous colitis, association, diarrhea, man 3351.
  coliforms association, Escherichia coli, media (selective), enumeration 10852.
  coliforms, counting methods, membrane filtration 5566.
  coliforms population levels, acidic hay effects on, juveniles, cattle 9325.
  coliforms, survival, association, animal wastes, pigs, land disposal 2459.
  Crassostrea commercialis, release, Salmonella charity, Escherichia coli, temperature, effects on 12058.
  detection, Clostridium botulinum toxins, botulism diagnosis, Anas 2366.
  Escherichia coli clinical isolates, premature neonates, epidemiology 11784.
  Escherichia coli, isolates, virulence, man 11557.
  excretion, chickens, Salmonella typhimurium, association, starvation 6348.
  excretion, Yersinia enterocolitica, mice 9318.
  horses, isolation, Acholeplasma 9359.
  irrigation systems pollution, Brazil, indicator organisms, coliforms, streptococcus 7342.
  isolates, Salmonella typhi, association, typhoid fever, antigens detection, use, agglutination 12995.
  isolates, Yersinia enterocolitica biotypes, pathogenicity, man 9231.
  isolation, Clostridium difficile, toxigenicity, children 7008.
  isolation, Yersinia enterocolitica, Salmonella, man, carriers 4410.
  man, animals, detection, enumeration, Streptococcus bovis, media (selective) 1264
  man, Campylobacter jejuni, Campylobacter coli, isolation, media (selective) 7358.
  man, detection, Clostridium difficile antigens, enzyme immunoassay 3157.
  man, isolates, Escherichia coli, plasmids, R factor R1, transfer, Escherichia coli 1683.
  man+seawater+plankton, antibacterial activity, Escherichia coli, Salmonella typhimurium, Vibrio parahaemolyticus 1784.
  pigs, isolation, Salmonella, media (enrichment) 7361.
  Salmonella, detection, incidence, buffalo, juveniles 50.
  Salmonella, Shigella, isolation, media (selective), man 2521
  use, diagnosis, botulism, laboratories, man 8015.
  wildlife, Mycobacterium isolation, characterization 10710.
  Yersinia enterocolitica, agglutinins, levels, relationship, serum, mice 4275.
  Yersinia enterocolitica, incidence, cats 2359.
  Yersinia enterocolitica, incidence, identification, children, Spain 2029.
Feed additives,
  medicine+Erysipelothrix rhusiopathiae vaccination, swine erysipelas prophylaxis, immune response, pigs 5255
Feedback inhibition,
  homoserine acetyltransferase, Brevibacterium flavum 3956.
  nitrogenase, ammonium, carbamyl phosphosphate, Azotobacter vinelandii, Klebsiella pneumoniae, Clostridium pasteurianum 2808
Feeding,
  Farias, disease transmission, Xanthomonas malvacearum blight, Gossypium hirsutum 10738.
  effects on fecal microflora, bacteria, infants, man 7962.
Feeding apparatus,
  bacteria infection, nosocomial environment, man 13271
Feeding behavior,
  disease transmission, Bacillus thuringiensis+Pseudomonas fluorescens+Serratia marcescens, infection, Bifiditermes beesoni 4601.
Feeding regimens,
  neonates, man, colostrum effects on intestine bacteria proliferation 11655.
Feeding regimes,
  effects on malnutrition, Escherichia coli peritonitis, rats 1107.
  sugar food, effects on dental plaque pH, man 1963.
Feeding trials,
  cattle, effects on rumen microorganisms fermentation, association, Sorghum vulgare silage, lasalocid 12040.
  nitrogen sources, effects on, rumen, microorganisms, protein biosynthesis, sheep 3559.
  rumen microorganisms, plants cell walls biodegradability 5645.
Feeds,
  2-aminoethylphosphonic acid content, measuring techniques, association rumen microorganisms 10876
  antibiotics, prophylaxis, mastitis-metritis-agalactia syndrome, pigs 5454.
  biodegradation, rumen bacteria, in vitro 9627.
  cellulose levels effects on intestinal microflora, bacteria, helminths, mice 1048.
  chemical modification, digestibility, rumen microflora, domestic animals 9321.
  contamination, Flexibacter columnaris, infection, Anguilla japanica, aquaria 4572.
  digestion, role rumen microflora, domestic animals 9319
  digestion, role rumen microflora, domestic animals 9320
  digestion, rumen microflora, reviews 9324.
  digestion, silage, Medicago sativa, Zea mays, sheep 12029
Feeds, (continued)
  rabbits, effects on intestinal microflora, Escherichia coli 1047.
  Salmonella, isolates, antibiotic resistance 3064.
Feline sarcoma virus,
  Mycoplasma arginini effects on, cell culture 2425.
Feline urological syndrome,
  bacteria, epidemiology, etiology, clinical aspects, case reports, cats 10718.
Felis rufus,
  intestinal microflora, Salmonella, Yersinia enterocolitica 5478.
Females,
  cholera presentation infection, Aeromonas sobria, characterization, case reports 7201.
  homosexuality, incidence, sexually-transmitted diseases 921.
  Klebsiella, bacteriuria, diagnosis, man, Phillipines 2097.
  man, acne, association, androgens abnormalities 681.
  man, bacteria, urinary tract infection, prophylaxis 4426.
  man, carriers, Neisseria gonorrhoeae 13237.
  man, Chlamydia trachomatis, genital tract infection, diagnosis 9153.
  man, Chlamydia trachomatis, Neisseria gonorrhoeae, infection, diagnosis, treatment 4448
  man, genital microflora, bacteria 10280.
  man, genital tract infection, aerobic bacteria, anaerobic bacteria, treatment, cefotaxime 2100.
  man, genital tract infection, bacteria, treatment, diagnosis 2093.
  man, genital tract infection, treatment, cefotaxime 1724.
  man, genital tract infection, treatment, cefotaxime 2060.
  man, genital tract infection, treatment, cefotaxime 2099.
  man, genital tract infection, treatment, cefotaxime 2101.
  man, genital tract Staphylococcus aureus colonization, epidemiology 10408.
  man, genitourinary tract infection, Chlamydia trachomatis, treatment, case reports 10390.
  man, genitourinary tract, Ureaplasma urealyticum isolation 2062.
  man, gonorrhea, association, genitourinary tract inflammatory diseases, incidence 2160.
  man, gonorrhea, Neisseria gonorrhoeae, rosoxacin, dose-response effects 7083.
  man, gonorrhea, screening 5350.
  man, gonorrhea, treatment, biseptol-480 2145.
  man, incidence, genital tract infection, Chlamydia trachomatis, Sweden 4450.
  man, pelvic inflammatory disease, bacteria, mixed infection, etiology, treatment 6216.
  man, sex hormones effects on dental plaque, Bacteroides, Fusobacterium 5282.
  man, urinary tract infection, association, lipid A antibodies, serum levels 3208.
  man, urinary tract infection, relationship, sexual intercourse 2051.
  man, urinary tract infection, susceptibility, association, urethra microflora, anaerobic bacteria 1920.
  Mastomys natalensis, prostatitis, experimental infection, Klebsiella pneumoniae, pathology 2074.
  nosocomial infection, urinary tract infection, association, catheters, risk factors, man 10405.
  sexually-transmitted diseases, man, British Isles, surveys 2150.
  urinary tract coliforms infection, diagnosis criteria 13202.
  urinary tract infection, Escherichia coli, microflora, incidence, vagina, urethra, urinary tract, man 3380.
  urinary tract infection, Escherichia coli, treatment, methenamine hippurate, nitrofurantoin, man 875
Fendomycin A,
  Streptomyces peucetius subsp.caesius, conversion, adriamycin 2969.
Fermentation,
  acetone butanol biosynthesis, Clostridium acetobutylicum, continuous culture, association, pH, ammonium 11250.
  amino acids, role, survival, starvation, spirochetes 169.
  ammonium lactate, Lactobacillus bulgaricus, dialysis, mathematical models 13.
  anaerobic bacteria, cystine trypticase media, methodology 9513.
  carbohydrates, sheep juveniles, large intestine 12039.
  cattle colostrum proteins, Streptococcus lactis, effects on 12416.
  cellulose, Clostridium thermocellum, ethanol production, continuous culture 2839.
  cellulose, ethanol biosynthesis, thermophilic bacteria 125.
  cellulose, methanogenesis, mixed culture, Methanosarcina barkeri, Methanobrevibacter, fungi 8429.
  detection, microorganisms, lactate dehydrogenase use 12386.
  DL-lactate, Megasphaera elsdenii, rumen 12358.
  food processing wastes, Lactobacillus acidophilus, effects on, gram-negative bacteria, pathogens, viability 2647.
  food processing wastes, Lactobacillus acidophilus, effects on, gram-positive bacteria, pathogens, viability 2648.
  glucose, bacteria, detection, association electrical impedence, automated methods 10885.
  glycine, selenium dependent growth, Clostridium purinolyticum 12449.
  gram-negative bacilli, identification, computer applications, methodology 9555.
  gram-negative bacteria, clinical aspects, identification, isolation 10897.
  growth conditions, triethylamine oxide, dimethyl sulfoxide, Rhodospirillum vubrum, Rhodopseudomonas capsulata 5661.
  hexoses+pentoses, Saccharomyces cerevisiae, Clostridium acetobutylicum, ethanol, L-butanol, biosynthesis 11010.
  intestinal microflora, host-pathogen interactions, comparison rumen man 6142.
  lactic acid bacteria, Lactobacillus, identification, bibliographies 8247.
  lactose, Salmonella infantis, plasmid pNO10 characterization 1666.
  lactulose, intestinal microflora, isolates, characterization 9613.
  large intestine bacteria, man, in vitro 4357.
  leucine, association, isovaleric acid, isocaproic acid, anaerobic microorganisms 9726.
  mannitol, Clostridium difficile identification 5592.
  methodology, Neisseria gonorrhoeae identification tests comparison, Phadebact test 7387.
  milk, mutants, Lactobacillus bulgaricus, Lactobacillus casei 7642.
  molasses, Zymomonas mobilis, ethanol production 10970.
  pectin, media (culture), Bacteroides ruminicola, Selenomonas ruminantium, Lachnospira multiparus, Succinivibrio dextrinosolvens, 9652.
  production, Staphylococcus, toxins, toxoids 12968.
  products, pectinolytic enzymes, Clostridium felsineum 12619.
  pyruvic acid, Escherichia coli, mutants, ana gene, gene mapping 1593.
  raffinose, Escherichia coli, relationship, antigen K88 8862.
  rumen microorganisms, Camelus dromedarius 7226.
  rumen microorganisms, in vitro, in vivo, nicotinic acid effects on 6321.
  rumen microorganisms, Sorghum vulgare silage, lasalocid, effects on 12040.
  sorbitol, genes transfer, Streptococcus sanguis, Streptococcus mitis 1629

ermentation, (continued)
- sorbitol, toxigenicity, association, agglutination, Clostridium difficile 6057.
- sourdough, mixed culture, yeasts, Lactobacillus 11020
- spirochaetes, amino acids, ATP biosynthesis, marine environments 2723.
- Streptomyces fradiae mutants, 5-O-mycarosyltylactone, tylosin, characterization 7639.
- sucrose, Salmonella arizonae, plasmids, characterization 1690
- sucrose, Streptococcus mutans, acid production, kinetics 2832.
- Thiobacillus neapolitans, glucose polysaccharides, intracellular levels, anaerobic conditions 8450.
- Xanthomonas campestris, growth, xanthan production 7624.

ermented food,
- isolation, Halosporobacterium patis gen.nov. sp.nov., cultural characteristics, spores 5576.

ermenters,
- continuous culture, bacteria 9515.

erredoxin,
- amino acid sequence, Clostridium thermoaceticum 11106
- Azotobacter vinelandii, characterization, N.M.R. 3931.
- Clostridium pasteurianum, chromium(III), effects on, oxidation, kinetics 11025
- C.D., E.S.R., Clostridium pasteurianum, comparison Chromatium, Desulphovibria gigas, Azotobacter vinelandii 3934.
- electrons donors, role, nitrogen fixation, Xanthobacter autotrophicus, in vitro 1421.
- iron-sulfur centers, E.S.R., Mossbauer spectroscopy, Desulfovibrio gigas 11103.
- iron-sulfur centers, characterization, Mossbauer spectroscopy, Bacillus stearothermophilus 11115
- iron-sulfur centers, selenium substitution, characterization, Clostridium pasteurianum 6611.
- iron-sulfur centers, X-ray diffraction, Azotobacter 8520
- membrane composition, iron, sulfur, Escherichia coli, E.S.R. 1339
- oxidation, kinetics, U.V. spectroscopy, Clostridium 6609
- purification, characterization, E.S.R., Mossbauer spectroscopy, Methanosarcina barkeri 11107
- Raman spectroscopy, E.S.R., Clostridium pasteurianum 7537
- redox potential, E.S.R., Desulfovibrio desulfuricans 9709
- Rhodospirillum rubrum, purification, characterization 3936
- role, thioredoxin reduction, Clostridium pasteurianum 144.
- steroid 15β-monooxygenase, purification, characterization, Bacillus megaterium 8569
- structure, fourier analysis, Azotobacter vinelandii 7490
- X-ray diffraction, Bacillus thermoproteolyticus 3944

erredoxin I,
- Raman spectroscopy, Desulfovibrio gigas 3941

erredoxin II,
- Raman spectroscopy, Desulfovibrio gigas 3941

errets,
- Clostridium botulinum type C, vaccination 612.

errichrome,
- iron, complex receptors, proteins isolation, antigenic characteristics, Escherichia coli outer membranes 11558.
- transport, Escherichia coli, Penicillium parvum, comparison 88.

erricyanide,
- effects on nitrate reductase activity, Escherichia coli 8563.

erricytochrome C,
- crystallography, Rhodospirillum molischianum 3884

errisiderophore reductase,
- Agrobacterium tumefaciens, iron transport, characterization 8616
- Bacillus subtilis, enzymatic activity, characterization, role, aromatics biosynthesis 2817.

erritin,
- +protamine complex labelling, detection, Bacillus subtilis cytoplasmic membranes surface charge 10957.

Ferrous sulfate,
- effects on population levels, respiration, soil microorganisms, nitrification, soil amendment 7329

Fertility,
- Ephestia cautella, Wolbachia symbionts effects on 1129
- reproductive organs, menstrual cycle, menopause, man, leprosy, effects on 2087
- soil, role, Triticum aestivum stubble biodegradation, soil microorganisms 131.

Fertilization,
- relationship, Azospirillum brasilense, nitrogen fixation, Setaria italica 3725.

Fertilizer applications,
- crop fields, manure, coliforms, streams, water pollution 8240
- effects on soil microorganisms abundance 7322.

Fertilizers,
- effects on, nitrification, paddy fields 4637.
- effects on, nitrogen fixation, nitrate reductase, nitrogenase, activity, nodules, Phaseolus vulgaris 4645.
- foliar applications, Rhizobium japonicum, nitrogen fixation, Glycine max 8207
- gases, effects on, denitrification, soils (acid), forests, in vitro 3712.
- +manure, effects on, soil microorganisms, rhizosphere, Areca catechua 4635.
- nitrogen, effects on, Beta vulgaris, yield, roots, sucrose, incidence, soft rot, Erwinia carotovora subsp.beta vasculorum 1153.
- nitrogen, effects on nodulation, allantoin biosynthesis, transport, Glycine max 2436.
- nitrogen, effects on, soil microorganisms biomass 13476.
- nitrogen-fixing bacteria, foliar applications, yield, Triticum aestivum 8187.
- phosphorus, effects on Rhizobium trifolii nodulation, nitrogen fixation, Trifolium repens 12152.
- potassium, effects on nodulation, nitrogen fixation, nodules enzymatic activity, Medicago sativa 1167.

Festuca rubra,
- nitrogen cycle, ammonification, clay industrial wastes 8176.

Fetuses,
- Brucella abortus infection, bacteria serum levels, cattle 3613.
- cattle, leptospirosis, Leptospira interrogans ser.hardjo, pathology, clinical aspects 7265.
- cattle, Mycoplasma isolation characterization 6347.
- growth, relationship, cervical microflora, Ureaplasma urealyticum, Mycoplasma hominis, man 3386.
- horses, abortion, association, isolation, Bacillus cereus 6338.
- infection, Streptococcus group D, abortion, horses 10681.
- man, gonorrhea, pathology 7078.
- man, serum, Rickettsia tsutsugamushi antibodies 577.
- man, Streptococcus group B carriage, genitourinary tract, effects on 6222

Fetuses, (continued)
- pregnancy, uterus infection, prophylaxis, treatment, cefmetazole, effects on, man 869.
- Streptococcus infection effects on, pregnancy, man 2232.

Fever,
- association, Mycoplasma hominis, isolation, case reports, man 6301.
- association, tuberculosis, man 11948.
- bacteremia, diagnosis, treatment, children 9224.
- bacteria, diagnosis, infants, man, clinical aspects, reviews 9246.
- Escherichia coli endotoxins, effects on serum levels, thyroxine, 3,3',5'-triiodothyronine, rabbits 11511.
- Haemophilus influenzae infection, children 7123.
- leukocytosis, association, sepsis, bacteria, antibiotics, treatment, man 13316
- lung tuberculosis, treatment, corticosteroids, man, case reports 755.
- role, bacteremia, children 963.
- Salmonella enteritidis infection, stimulation immune response (humoral), rats 11563.
- treatment, effects on, bacteria enumeration, experimental infection, Pasteurella multocida, rabbits 2384

Q fever,
- Coxiella burnetii experimental infection, vaccines, immunological aspects, man 11643.
- Coxiella burnettii, clinical aspects, man 10473.
- diagnosis, velationship, immunoglobulin M, occupational exposure, abattoirs, man 4458.
- disease transmission, animals, man, disease control 2242.
- epidemics, man, Germany, Fed. Rep 6997.
- guinea-pigs, liver association, RNA biosynthesis, RNA polymerase 6963.
- outbreaks, zoonoses, sheep, man 2271.
- vaccination, complement fixation, agglutination, detection, antibodies 507.

Fibers,
- food additives, effects on gastrointestinal tract, bacteria, pigs 8081.
- nerves, mice, neuropathology, leprosy effects on 10716.

Fibrils,
- Actinomyces viscosus, purification, characterization, antigenic characteristics, 516

Fibrinolysis,
- identification, Pseudomonas, Pseudomonas aeruginosa, Pseudomonas maltophilia 2566.

Fibroblasts,
- embryos lung, man, cell culture, Mycoplasma hominis growth characterization 8443
- hemolysins Aeromonas hydrophila effects on plasma membranes, man 6024
- lysosomal enzymes, activity, Escherichia coli endotoxins effects on, mucolipidosis, man 1823
- man, β-interferon genes, isolation, characterization, Escherichia coli gene expression 8678
- man, Legionella pneumophila virulence, passage 513.
- man, mechanisms streptolysin O membrane damage, Streptococcus 11506.
- mice, Chlamydia trachomatis persistent infection, factors affecting 21.
- persistent infection, effects on, Chlamydia psittaci adherence, replication, mice 23.
- plasma membranes lesions, Aeromonas hydrophila hemolysins induction, lung, man 11502

Fibronectin,
- binding, Staphylococcus aureus protein A 168.
- binding, Staphylococcus aureus, Staphylococcus epidermidis, cell walls proteins 1331.
- opsonization, immunosuppression, immunity, man, animal models, Staphylococcus aureus infection 10183.
- opsonization, Staphylococcus aureus, phagocytosis leukocytes (granulocytic) 7952.
- receptors, adherence mediation, streptococcus, oropharynx cells, man 9603.
- regulation, Streptococcus pyogenes, binding, leukocytes 9016.
- Staphylococcus aureus agglutination 1373.

Fibronectin-binding protein,
- Staphylococcus aureus, isolation, immunoelectrophoresis (crossed) 8539.

Fibrosis,
- actinomycosis, lung, man 2001.
- disease resistance, Actinomycetes, molds, effects on metals workers, association antibody response 6067
- lung, antigen-antibody complexes, serum levels, relationship, Thermoactinomyces vulgaris, man 9008.

Field trials,
- inoculation, nodulation, methodology, Rhizobium japonicum, Glycine max 10779.
- prophylaxis, hog cholera, swine erysipelas, combined vaccines, hog cholera virus+Erysipelothrix rhusiopathiae, pigs 632.
- vaccines, Haemophilus parahaemolyticus, pigs 10255.

Figs,
- Serratia ficaria, isolation, clinical isolates, man 2297.

Filamentous bacteria,
- biochemical characteristics, sewage sludge 10992

Filamentous microorganisms,
- enumeration, sediments, seasonal variations, lakes, British Isles 2488.
- Escherichia coli, Salmonella typhimurium, Bacillus, immobilization 72.
- fouling, metals surfaces, marine environment, cleaning, effects on 4650.
- iron oxidation, growth, streams, polluted environments 2489.
- staining, malachite green, +2(p-iodophenyl)-3-(p-nitrophenyl)-5-pheryl tetrazolium chloride, observation methods, activated sludge 5568

Filaments,
- pilin, formation, Pseudomonas aeruginosa, pili dissociation, octyl-glucoside use 12311.
- Salmonella flagella, mechanical stimuli induction transformation 10938.

Films,
- decomposition, Methanobacterium thermoautotrophicum, methanogenesis, hot springs, temperature 13521.
- manganese, Metallogenium bioaccumulation, soil, desert varnish 6415.
- methanogenic bacteria, substrate preferences, effects on growth 5654.
- photography, use, gelatin tests, Voges-Proskauer test, methodology, bacteria 10871.

Filtration,
- air, laminar air flow, association, airborne microorganisms contamination hazards, open heart surgery 12189.
- airborne particulates, aerosols, wastewater treatment, vegetation effects on 8237.
- bacteria, anesthesia unit, role, prophylaxis, postoperative infection, pneumonia, man 1975.
- bacterioplankton, Bivalvia, efficiency measurement 6446.

Filtration, (continued)
electron microscopy, ecological distribution, sea water, identification, bacteria 13514.
Escherichia coli, effects on, leukocytes function, man 13020.
Escherichia coli, Staphylococcus, enumeration, frozen food 2528.
Fimbriae,
Salmonellae, characterization 6002.
Fimbristylis dichotoma,
nitrogen fixation, Eucalyptus tetrodonta forests, Australia 1184.
Fin rot,
Gadus morhua, Pseudomonas, Aeromonas, Vibrio, pathology 5484.
Fine structure mapping,
reaction centers, Rhodopseudomonas sphaeroides, X-ray absorption 8478.
Finger,
bone, Pasteurella infection, presentation, tumors, man, case reports 3532.
lesions, Neisseria gonorrhoeae, man, case reports 3436
Finidazole,
drug resistance, Gardnerella vaginalis 8858.
Finland,
adolescents, oral hygiene 710.
Arctostaphylos uva-ursi, Vaccinium myrtillus, Vaccinium vitis-idaea, witches' broom, etiology, mycoplasma-like organisms 9416
bacteria, clinical isolates, drug resistance, sulfonamide, trimethoprim 12956
children, dental caries prophylaxis, fluoride 713.
epidemiology, bacteria, fluoride, social hierarchy, effects on dental caries, children 11689.
fluoride, oral hygiene, effects on dental disorders, bacteria, man 11688.
lakes, Actinomycetes, role, odors production eutrophic environment 12181.
lakes, heterotrophic bacteria activity, books, conferences 12197.
lakes, heterotrophic bacteria, carbon dioxide assimilation, respiration, winter 12182.
livestock, food, Campylobacter fetus subsp.jejuni, Yersinia enterocolitica, incidence 7275.
man, dental caries incidence 709.
man, Legionnaires' disease, imported diseases, case reports 5297.
man, urinary tract isolates, bacteria, drug resistance, trimethoprim± sulphamethazole, incidence 458
man, Yersinia enterocolitica, Yersinia pseudotuberculosis, antibodies, incidence 5386.
neurosyphilis, Treponema pallidum, incidence, epidemiology, diagnosis, man 10432.
rivers, pollution effects, industrial effluents, paper mills, metabolism, heterotrophic bacteria 12184.
Fireblight,
Pyrus communis, association, Erwinia amylovora, streptomycin resistance 8806.
Fires,
forests, Pinus kesiya, soil microorganisms, recolonization, succession 10802.
Mediterranean like ecosystems, role, decomposition microorganisms 13465.
Fish,
Flavobacterium, Mycobacterium, tuberculosis, mixed infection, pathology 2349.
isolation, Yersinia ruckeri, antigenic characteristics, association redmouth 10152.
muscles, extracts, Escherichia coli growth, trimethylamine N-oxide reduction 4757
organoleptic evaluation, luminous bacteria effects on 9334.
vacuum packaging, botulism risks 5338
Fish culture,
Plecoglossus altivelis, Streptococcus infection, organs distribution, histopathology 6332.
Fishery products,
contamination, Clostridium botulinum type E, toxins, books 13535
spoilage, psychrotrophic bacteria, virulence, conferences, books 9499.
Fishponds,
Streptomyces, sediments 8224.
Fistulae,
aortoenteric, association, pseudo mycotic aneurysm, Salmonella arizonae, man, case reports 10622
association tuberculosis aneurysm, aorta man, surgery 6303.
rectum, anaerobic microorganisms, relationship, meningitis, man, case reports 13223.
uterus, Fusobacterium necrophorum, case reports, man 7042.
Fitz-Hugh-Curtis syndrome,
association, Chlamydia trachomatis infection, man, case reports 2280.
Chlamydia trachomatis, isolation, liver, man 9189.
Fjords,
population dynamics, bacteria, bacteria consumers 12164.
Flagella,
antigens, Pseudomonas aeruginosa, antisera production 503.
association, adsorption kinetics, vibrio 12341.
Azospirillum lipoferum, association, spiral structure, in vitro 3817.
bacteria, observation methods 1346.
Caulobacter crescentus, morphology, structure, models 8386.
Escherichia coli, locomotor activity, association, chemotactic response, role, gene che 8431.
flagellin polymerization, poly(ethylene glycol) induction, Bacillus brevis 12563.
formation, Vibrio parahaemolyticus, swarming behavior effects on 8384.
morphogenesis, Caulobacter crescentus, role flagellin 4740.
morphogenesis, mutants, role flagellin 4738.
Noctiluca scintillans, morphology, bacteria symbiosis 10761.
proteins, genes, gene expression, peptide mapping, Caulobacter crescentus 12751.
Pseudomonas aeruginosa, antigens, antisera preparation 3180.
Pseudomonas aeruginosa antigens, antisera production 503.
Pseudomonas aeruginosa, antigens, association, animals infection immunity 10177.
Pseudomonas aeruginosa, biosynthesis, association, cell division 5606.
Pseudomonas aeruginosa, genes characterization 254.
Pseudomonas aeruginosa, isolation, characterization 5614.
Pseudomonas aeruginosa, serotyping 52.
rotation, motor activity, electrochemistry, Bacillus subtilis, Escherichia coli 6517.
Salmonella, antigens, characterization 11549.
Salmonella, assembly, flaR gene 2872.
Salmonella, filaments, mechanical stimuli induction transformation 10938.
Salmonella, gene vH2⁻, DNA, homology, Escherichia coli, radioactive labelling 2692.
Salmonella, mutants, isolation 2503.
structure, Spirillum, soil isolates 7417.
Treponema, purification, characterization, methodology 4681.
Flagella, (continued)
typing, role, identification, Pseudomonas serotypes 2549.
ultrastructure, symbionts, bacteria, Foaina, Pyrsonympha 6393.
Flagellata,
bacteria, consumers, population dynamics, fjords 12164.
Flagellin,
multiple forms, peptide mapping, amino acid sequence, Caulobacter crescentus 8517.
multiple forms, peptide mapping, N-terminus amino acid sequence comparison, Caulobacter crescentus 8537.
polymerization, poly(ethylene glycol) induction, flagella, Bacillus brevis 12563.
Rhizobium meliloti, amino acid composition, tryptophan residues incidence 11109.
role flagella morphogenesis, Caulobacter crescentus 4740.
role, flagella morphogenesis, mutants 4738.
Flavin,
enzymes, incidence, Lupinus luteus nodules association Rhizobium lupini 13488.
Flavobacter,
thidiazuron biodegradation 9612.
Flavobacterium,
abundance, deep sea 1236.
adherence, glass, Enteromorpha linza 4731.
aggregation factors, purification, characterization, flocculants 4959.
biodegradation, hexadecane, α-methylnaphthalene 9646.
biodegradation, toxicity, aromatic compounds 3854.
chemotaxis, attractants, Skeletonema costatum 8161.
denitrification, kinetics, uptake, nitrate, nitrous oxide 8465.
disinfectants contamination, drug sensitivity testing 7848.
halophilic bacteria, marine environment 5546.
incidence, lakes, USSR 12172.
interspecific relationships, adherence, growth, light, Skeletonema costatum 1376.
micorflora, Penaeus stylirostris larvae 8134.
mutants, aggregation factors, characterization 4098.
Mycobacterium, tuberculosis, mixed infection, pathology, fish 2349.
pathogenicity effects on, Beta vulgaris crop production 13451.
preservation, gelatin disc drying method, media (transport) 6454.
rhizosphere microorganisms, pathogenicity, Beta vulgaris crops, identification, characterization 6431.
Flavobacterium arborescens,
immobilization, use, carrageenins gels 179.
L-lysine biosynthesis 7528.
Flavobacterium breve,
taxonomicrevision 8315.
Flavobacterium devorans,
tyrosine biosynthesis, arogenate precursors 9695.
Flavobacterium gasotypicum,
mixed culture, methanotrophic bacteria, species composition, control 10.
Flavobacterium heparinum,
heparin lyase, mechanisms heparin degradation 8582.
Flavobacterium lutescence,
L-lysine 6-aminotransferase, stereospecificity, mechanisms 8590.
Flavobacterium lutescens,
± Aspergillus oryzae, culture, rice, koji 124.
Flavobacterium meningosepticum,
antibacterial activity, amniotic fluid, man 3105.
arylamidase, purification, characterization 4024.
ceftizoxime, antibacterial activity, in vitro 328.
dipeptidyl peptidase IV, purification, characterization 8579.
meningitis, epidemiology, man, case reports, New Caledonia 2127.
meningitis, man, neonates, case reports 7038.
opportunist infection, diagnosis, man, Papua New Guinea 11950.
Flavobacterium saccharophilum,
biodegradation, validamycin, intermediates, structure 2638.
Flavobacterium spiritivorum sp.nov.,
characterization, isolation, man 8331.
Flavobacterium thermophilum sp.nov,
characterization 12266.
Flavodoxin,
FMN binding, N.M.R., Megasphaera elsdenii 7536.
Flavolan,
Lotus pedunculatus, toxicity effects on Rhizobium 13491.
Flexibacter columnaris,
contamination, feeds, infection, Anguilla japanica, aquaria 4572.
Flexibacter columnaris like microorganisms,
antibiotic sensitivity testing, antibacterial activity, antibiotics 3001.
Flocculants,
bacteria, biosynthesis 7634.
bacteria, biosynthesis, flocculation activated sludge 7633.
bacteria, effects on population dynamics, Cyclidium, bacteria, continuous culture 2661.
Flocculation,
activated sludge, flocculants, bacteria biosynthesis 7633.
Pseudomonas, association cell surface DNA-binding protein 12565.
Flooded soils,
effects on, Salmonella typhimurium, chelating agents levels 5522.
nitrogen, phosphorus, availability, Azolla, Aulosira, soil amendments, effects on 2471.
Oryza sativa, nitrogen fixation, microorganisms 4642.
Flooding,
effects on soil microorganisms 8177.
nutrient dynamics, leaf litter decomposition, USA, Great Dismal Swamp 9469.
paddy fields, effects on nitrification 1205.
Flora,
dental caries, communal breeding, effects on, Streptococcus mutans, serotypes, Macaca fascicularis 10679.
Flow rate,
saliva, relationship, lactobacillus, yeasts, incidence, saliva, man 4355.
Flucloxacillin,
+amoxicillin, treatment, thorax empyema, children 13315.
+ampicillin, prophylaxis, postoperative infection, thorax surgery, man 772.
+ampicillin, prophylaxis, postoperative infection, thorax surgery, man 986.
+cephalexin, antibacterial activity, treatment, infection, man 6793.
treatment, respiratory tract diseases, bacteria, candidiasis, children 3315.
Fluids,
loss, tetanus, man 2109.
Flumequine,
treatment, urinary tract infection, man 2056.

Flunixin meglumine,
treatment, endotoxin shock, Escherichia coli, hemodynamics, horses 3139.
Fluorescamine,
chemical modification bacteriorhodopsin, purple membranes, C.D., Halobacterium halobium 6560
peptides transport, Streptococcus faecalis 5633.
Fluorescence,
Babesia, Anaplasma centrale, Plasmodium berghei, Trypanosoma lewisi, DNA, assays 17.
bacteriochlorophylls triplet state, reaction centers, Rhodopseudomonas sphaeroides, Rhodopseudomonas viridis 3870.
chlorosomes plasma membranes bacteriochlorophyll characterization, Chloroflexus aurantiacus 8479
coenzyme A binding effects on succinyl-CoA synthetose (ADP-forming), conformation, Escherichia coli 12609
conformational analysis thioredoxin, Escherichia coli 3942.
energy transfer, localization ribosomal protein L7/L12, ribosomal protein L10, ribosomes, Escherichia coli 7515
gramicidin S effects on membrane proteins lipids interaction, Micrococcus luteus 12302.
δ-hemolysin, physicochemical properties, Staphylococcus aureus 5151.
immunoassays, Treponema pallidum antibodies 5190.
initiation factor 2 binding 30 S RNA, Escherichia coli 7504.
initiation factor 3, interaction rRNA 30S, Escherichia coli 1445.
kinetics yeasts tRNA Phe binding Escherichia coli ribosomes 6578.
labelling, Pseudomonas aeruginosa, relationship, pyocin effects on membrane permeability 8786
labelling, ribosomal protein L7/L12, ribosomal protein L10, Escherichia coli 7516.
lumazine protein, Photobacterium phosphoreum, association luciferase, Vibrio harveyi 4907
membrane filtration, counting methods, bacteria, food contamination 12214.
membrane potential, Bacillus subtilis, assays, cations, probes 5617.
microscopy, Bacteroides fragilis, Bacteroides melaninogenicus, distribution, periodontal diseases, man 6955.
orientation retinal chromophores, bacteriorhodopsin, purple membranes, Halobacterium 4789
Pseudomonas strains, clinical isolates, characterization 3806.
pyruvate oxidase fluorescent probes, Escherichia coli 11197.
reaction centers, electron transfer, bacteriochlorophylls, quinones, Rhodopseudomonas sphaeroides 6551.
tRNA binding sites localization, ribosomes, Escherichia coli 11068.
tRNA Phe conformation, ribosomes binding effects on, Escherichia coli 6582.
staining, blue stain, poly-β-hydroxybutyrate, Bacillus megaterium 8275.
tests, diagnosis, diphtheria, Corynebacterium diphtheriae, man 11732.
tests, Mycobacterium, enzymes activity, role 4-methylumbelliferone 8272.
thermorubin binding ribosomes, Escherichia coli 7523
tryptophan synthase β-subunit dimerization kinetics, Escherichia coli 7589.
U.V. radiation, Neisseria gonorrhoeae detection, lactaldehyde reductase (NADPH) immobilized enzymes, antibodies 9805
urocanate dehydratase, kinetics, mechanisms, Pseudomonas putida 7585
urocanate dehydratase, mechanisms, Pseudomonas putida 7584
Vibrio cholerae, toxins binding gangliosides effects on quaternary structure, Vibrio cholerae 11481
viruses adsorption bacteria membranes 2684
Fluorescence microscopy,
bacteria, enumeration, sediments, marine environment 18.
Fluorescence polarization,
elongation factor G binding nucleotides, ribosomes, Escherichia coli 12530
energy effects on membrane proteins, lipids conformation, Mycoplasma capricolum, Mycoplasma mycoides 8379.
Fluorescent antibody test,
antibodies detection, Bacillus anthracis capsules, anthrax, man 12997.
Bacteroides gingivalis characterization 7384.
detection, Salmonella, methodology, culture 1263.
detection, vagina infection, Streptococcus group B, association, pregnancy, man 4427
diagnosis, Mycoplasma pneumoniae infection, media (culture), man 9518.
Erwinia carotovora transmission, association, plants pathology 12109.
identification, bacteria clinical isolates, clinical microbiology 12230.
identification, Bacteroides fragilis, Bacteroides eggerthii 1287.
identification, Neisseria gonorrhoeae, Neisseria meningitidis, comparison, carbon sources utilization 3787.
identification, Neisseria gonorrhoeae, penicillinase interference 11531.
identification, Streptococcus pneumoniae 4252.
meningitis detection, Streptococcus suis, man 8914.
serotyping, Bacillus fragilis 1298.
Treponema, detection 1844.
use, characterization, Macaca fascicularis dental plaque 12042.
Vibrio cholerae, identification 12259.
Fluorescent probe,
heat shock, 1-anilino-8-napthalensulfonic acid, cell membranes, Escherichia coli 8365.
Fluorescent probes,
Escherichia coli pH 12458.
pyruvate oxidase, Escherichia coli 11197.
Fluoridation,
dental caries prophylaxis, man, reviews 3303.
drinking water, role, dental caries, children, British Isles 1966.
effects on dental caries incidence, children, British Isles 736.
relationship, dental caries, epidemiology, man, USA, Massachusetts 721.
Fluoride,
dentifrices, dental disorders prophylaxis, bacteria 13115.
effects on dental caries, bacteria, epidemiology, Finland, children 11689.
effects on, dental caries, Streptococcus mutans, Actinomyces viscosus, animal models 6158.
effects on dental disorders, bacteria, man, Finland 11688.
effects on polysaccharides biosynthesis, Streptococcus mutans, Actinomyces viscosus 223.
inhibition Streptococcus mutans acid production, in vitro 8629.
prophylaxis, dental caries, adolescents, man 10307.
prophylaxis, dental caries, children 10306.
prophylaxis, dental caries, children, Finland 713.
prophylaxis, dental caries, man, reviews 3286
prophylaxis, dental caries, man, reviews 3299.
prophylaxis, dental caries, man, Switzerland 3300.
Fluoride, (continued)
Streptococcus sanguis, oral cavity isolates, bioaccumulation, binding 1351.
tablets, dental caries prevention, children, long-term effects 10308.
toothbrushing, effects on, dental caries, man 1957.
treatment, bacteria dental caries, prophylaxis, man 13102.
treatment, dental caries, association, pathology, children 6957.
treatment, dental caries, man 10304
uptake, oral microflora, Streptococcus sanguis, Streptococcus mutans, role, inhibition, pH effects 2632.
uptake, Streptococcus mutans 12354.
water, dental caries, bacteria, children 13110.
Fluoride applications,
effects on, dental plaque, gingivitis, children, Brazil 734.
Fluoroacetate,
metabolism, Pseudomonas, Fusarium solani 1544.
Fluorochromes,
DNA, counting methods, aquatic bacteria 5565.
Fluorodeoxyuridylate,
thymidylate synthase complex, binding methylentetrahydrofolate polyglutamates, Lactobacillus casei 4022
Fluorometry,
Escherichia coli aminopeptidase P, assays 11167.
glutamine synthetase characterization, Escherichia coli 5777.
5-Fluorouracil,
susceptibility, Rhodococcus, Nocardia, Mycobacterium, identification 1786.
fMet-tRNAf deacylase,
purification, characterization, Escherichia coli 4930.
FMN,
binding flavodoxin, N.M.R., Megasphaera elsdenii 7536.
Foaina,
symbionts ultrastructure, flagella, bacteria 6393.
Foams,
polyurethane, biodegradation, wastes, agricultural land 106.
Foliar applications,
antibiotics, gibberellic acid, Pisum sativum, effects on rhizosphere microorganisms, bacteria 10769.
fertilizers, Rhizobium japonicum, nitrogen fixation, Glycine max 8207.
nitrogen-fixing bacteria, effects on, growth, Oryza sativa 4644.
Pseudomonas, nitrogen fixation, yield, Oryza sativa 12124.
urea, benomyl, effects on, Gaeumannomyces graminis var.tritici, rhizosphere microflora, Tritium aestivum 9474.
Folic acid,
antagonists, inhibition, Streptococcus faecalis, growth 8462.
effects on, Lactobacillus casei growth 7850.
metabolism, phage T4 role, Escherichia coli, gene 28, gene products 6733.
Folinic acid,
modulation tetrahydrofolate dehydrogenase binding tetrahydrofolate dehydrogenase genes DNA, Lactobacillus casei 6659.
Folliculitis,
Pseudomonas aeruginosa, baths, clinical aspects, man 11667.
Pseudomonas, differential diagnosis, buildings, man 11671.
Food,
additives, Bacillus subtilis, effects on intestinal microflora, pigs 12041.
Bacillus, identification, keys 1312.
Campylobacter fetus subsp.jejuni, Yersinia enterocolitica, incidence, Finland 7275.
catering, cold storage, microflora association 13529.
coliforms, enumeration, media (culture), methodology 1280.
competition, Daphnidae, disease resistance, eggs, bacteria infection 10729.
digestion, measuring techniques, bacteria biomass interference, rumen 10641.
enterotoxins detection, Staphylococcus, association, gastrointestinal tract diseases, man 10065.
enumeration, feces coliforms, methodology 7370.
Escherichia coli, detection, staining, methodology 4.
hygiene, relationship, Shigella sonnei, Shigella flexneri, survival, factors affecting 3864.
isolates, bacteria, potassium sorbate+acids effects on, in vitro 3082
isolates, coliforms, antibiotic resistance 1746
isolates, Salmonella, detection, media (enrichment) 3757.
isolates, Yersinia enterocolitica, serotyping, biochemical characteristics 8293.
isolates, Yersinia enterocolitica, virulence 8935
isolates, Yersinia enterocolitica, virulence 8936.
isolation, Escherichia coli, hospitals 2571.
isolation, Salmonella, comparison, media (isolation), standards 3759.
preservatives, butylated hydroxyanisole, antibacterial activity, Bacillus 7849.
Salmonella, detection, media (enrichment) 3757.
spoilage, psychrotrophic bacteria, virulence, conferences, books 9499.
sugar, feeding regimes, effects on dental plaque pH, man 1963.
transfer, R factors, Salmonella, Escherichia coli 8728.
Food additives,
aflatoxins, +Treponema hyodysenteriae, effects on swine dysentery, gnotobiotics (specific pathogen free) pigs 2376.
calcium lactate, dental caries prophylaxis, rats 10300.
fibers, effects on gastrointestinal tract bacteria, pigs 8081.
Lactobacillus acidophilus, effects on, eggs, egg production, intestinal microflora, chickens 2327
Food chains,
protozoa, bacteria, energy flow, dissolved organic carbon, macrophytes leachates 10814.
Vibrio, Pseudomonas, Protozoa, mercury bioaccumulation, pollution effects, estuarine organisms 8233.
Food contamination,
association, pharyngitis, Streptococcus, military personnel 13143.
bacteria, counting methods, membrane filtration, fluorescence 12214.
bacteria, pathogens, food poisoning, hygiene, food processing 13158.
Campylobacter jejuni, reviews 13164.
chickens carcasses, food contamination, Salmonella, relationship, processing methodology 10654.
Escherichia coli, isolation methodology, effects on pathogenicity, assays 12208.
fungi, Brevibacterium linens production antifungal agents, antifungal activity 8158.
pathogenicity Yersinia enterocolitica 13165.
Salmonella mbandaka, association, infection transmission, cattle 10667.
Streptococcus group G, association, pharyngitis, man 13151.
Food hypersensitivity,
milk, association, excretion, Campylobacter fetus, Salmonella agona, children,

Food hypersensitivity, (continued)
case reports 832.
Food industry,
personnel, isolation, Staphylococcus aureus, enterotoxins, carriers, nasopharynx 11516
Food poisoning,
bacteria, growth, temperature tolerance, sodium chloride, effects on 3840.
bacteria, man, case surveys 3366.
bacteria pathogens, food contamination, hygiene, food processing 13158.
bacteria toxins, epidemiology, man 7890.
botulism, source, ham, man 823.
Clostridium botulinum, Staphylococcus aureus, gram-negative bacteria, toxins, epidemiology, sanitation, man 10097.
Clostridium perfringens, Bacillus cereus, man, outbreaks 10361.
Clostridium perfringens, man 7987.
epidemiology, etiology, association, Salmonella, Clostridium perfringens, British Isles, man 11762.
food-borne diseases, bacteria, outbreaks, diagnosis, etiology, methodology, man 11932.
man, Thunnus, Proteus morganii infection, histamine release, epidemiology 13367.
Salmonella, ice cream contamination, man 9098
shellfish, Vibrio cholerae, gastroenteritis, association, man, case reports 3362.
Food processing,
food contamination, bacteria pathogens, hygiene, food contamination 13158.
wastes, fermentation, Lactobacillus acidophilus, effects on, gram-negative bacteria, pathogens, viability 2647
wastes, fermentation, Lactobacillus acidophilus, effects on, gram-positive bacteria, pathogens, viability 2648
Food quality,
bacteria, enumeration, plate counts 3751.
Food sources,
Acanthamoeba royreba, Naegleria lovaniensis, interaction, Legionella pneumophila, mixed culture 13460
detritus, nutrient dynamics, aquatic organisms 12179.
Food spoilage,
microorganisms, lactic acid bacteria antagonism, association, cold storage 13458.
Food-borne diseases,
Campylobacter jejuni enteritis, outbreaks, man, British Isles 7983.
outbreaks, bacteria, food poisoning, diagnosis, etiology, methodology, man 11932.
Salmonella paratyphi, diarrhea, outbreaks, Portugal 3354.
sarcosporidiosis, histopathology, association, gram-positive bacteria enteritis, man, case reports 5318.
Vibrio parahaemolyticus, pathogenicity, man 13162.
Foot,
bacteria, sepsis, association, diabetes mellitis, man 4513.
experimental infection, Staphylococcus aureus, Sturnus vulgaris, Aves, animal models 7281.
man, puncture, osteomyelitis, bacteria infection, case reports 10571.
pathology, Haemophilus influenzae infection, children 6294.
ulcers, diabetes mellitis, bacteria, mixed infection, treatment, antibiotic sensitivity testing, man 3507.
Foot infection,
bacteria, incidence, treatment, man 4470.
Foot rot,
sheep, Bacteroides nodosus vaccination antibody response 629.
sheep, Bacteroides nodosus vaccination antibody response 653.
sheep, immunization, Bacteroides nodosus vaccines, antigens, association, pili 10247
treatment, oxytetracycline, sheep 2348.
Foot-and-mouth disease virus,
antigens, cloning Escherichia coli, vaccination, antibody response, goats 9828
genomes, cloning, Escherichia coli 9829.
Forage,
digestion, rumen microorganisms, scanning electron microscopy, role cell walls lignin 6327
Forearm,
skin microflora, man 11653.
Forests,
Alnus rubra, Alnus sinuata, nitrogen fixation, nodules, biomass, Canada 3693.
clear cutting, effects on soil microorganisms 12122.
clear cutting, leaf litter decomposition, streams 13520.
Eucalyptus tetrodonta, nitrogen fixation, Australia 1184.
nitrogen cycle, nitrification, mineralization 9442.
nitrogen-fixing bacteria, nitrogen cycle, leaf litter decomposition, pollution effects 10790.
Pinus kesiya, fires, soil microorganisms, recolonization, succession 10802.
soil, inorganic compounds, sulfur oxidation, association Thiobacillus 9460.
soil, inorganic compounds, sulfur oxidation, thiobacillus, industrial pollution effects on 9465.
soil microorganisms, soil properties, acid rain, pollution effects, nitrification 7316.
soil, nitrogen fixation, bacteria 8179.
soil, Thiobacillus distribution, sulfur oxidation activity 9461
soils (acid), denitrification, in vitro, fertilizers, gases, effects on 3712.
wetlands, USA, Florida, nitrogen fixation, acetylene reduction, nitrogenase activity 9462.
L form,
Actinomadura, Nocardiopsis, transformation 10951.
α-aminoisobutyric acid, transport, Streptococcus pyogenes 5612.
isolation, characterization, Brucella suis experimental infection, penicillin treatment, mice 7213.
Listeria monocytogenes, tetracycline antibiotic resistance 11437.
Neisseria gonorrhoeae, penicillin effects on 12899.
Nocardia asteroides, morphology, cell walls, chemical composition, growth stage 2616.
Nocardia caviae, role, mycetoma, mice 1090.
protoplasts, bacteria, culture, identification, clinical aspects 10927.
Staphylococcus aureus, growth, osmotic stability 5681.
Staphylococcus aureus, media (culture), preparation 6459.
Streptococcus group A, induction, characterization 12401.
Streptococcus group A, induction, correlation, serotypes 5609.
Streptococcus pyogenes, production, antitumor activity 4729.
Yersinia enterocolitica, scanning electron microscopy 2614.
M form,
Pseudomonas aeruginosa, reversion, motility, cultural characteristics 8707.
Pseudomonas aeruginosa, slimes, vaccination, immunity, keratitis, rabbits 9062.
M form, (continued)
Pseudomonas aeruginosa, vaccination, slimes, mice 9052.
R form,
Salmonella minnesota, specificity, immune response, mice 570.
Streptococcus, characterization 3820.
Streptococcus salivarius, extracellular polysaccharides characterzation 4948.
S form,
Salmonella minnesota, specificity, immune response, mice 570.
Streptococcus, characterization 3820.
Streptococcus salivarius, extracellular polysaccharides characterzation 4948.
Formaldehyde,
aerosols, microbiocidal activity, Pseudomonas aeruginosa, Klebsiella pneumoniae 11451.
disinfection, Bacillus subtilis, spores, heat activation 11447.
microbiocidal activity, Pseudomonas aeruginosa, Staphylococcus faecalis, Bacillus subtilis, Bacillus stearothermophilus 10024.
Mycobacterium chelonei, peritonitis man, clinical isolates, effects on 7142.
oxidation, enzymes, distribution, Methylomonas methanica 11218.
oxidation, Pseudomonas, Hyphomicrobium 12429.
sterilization, media (culture), bacteria 12219.
p-Formaldehyde,
disinfection, children institutions 410.
Formalin,
antibacterial activity, Spiroplasma citri, Spiroplasma 7846.
Formamidase,
Alcaligenes eutrophus, regulation, metabolism, carbon sources 1553.
Formate,
Citrobacter freundii continuous culture, ATP production 12454.
Formate acetyltransferase,
purification, characterization, Streptococcus mutans 4936.
Formate dehydrogenase,
Escherichia coli, defective mutant, cofactors, insertion, membranes, binding molybdenum 2848.
linkage, anaerobic respiration, Proteus mirabilis 8626.
linkage, nitrate reductase, Salmonella typhimurium, defective mutant characterization 8683.
precursors, Escherichia coli, chlA gene, chlB gene, mutants 4929.
restriction endonuclease mapping, plasmid pBL101, genes, DNA, Escherichia coli 6755.
substrates, S-formyl glutathione, Achromobacter parvulus 8611.
Formic acid,
metabolism kinetics, Methanobacterium formicicum, Methanospirillum hungatei 12437.
Thiobacillus, mixotrophy, growth rate, chemostats 2665.
N-Formimidoyl thienamycin,
antibacterial activity, comparison, antibiotics 9938.
antibacterial activity, comparison, cephalosporins, ureidopenicillins, Serratia marcescens 5928.
antibacterial activity, comparison, piperacillin, cefotaxime, cefoperazone 337.
antibacterial activity, enzymes susceptibility, penicillinase 1717.
antibacterial activity, gram-positive bacteria 1716.
antibacterial activity, in vitro, Streptococcus group D 9958.
antibacterial activity, Nocardia asteroides 8776.
antibacterial activity, Pseudomonas aeruginosa, pH effects on 323.
antibacterial activity, stability, penicillinase, gram-negative bacteria 5114.
antibiotic sensitivity testing, Campylobacter fetus subsp.jejuni, in vitro 9926.
antibiotic sensitivity testing, comparison β-lactam antibiotics, bacteremia clinical isolates 5902.
antibiotic sensitivity testing in vitro, Brucella melitensis clinical isolates 11383.
antibiotic sensitivity testing, Pseudomonas aeruginosa, antibiotic resistance, pencillinase 3029.
+azlocillin, synergism, antibacterial activity, Pseudomonas aeruginosa 9951.
comparison, β-lactam antibiotics, antibacterial activity 9962.
± gentamicin, antibacterial activity, Listeria monocytogenes, Streptococcus faecalis, Streptococcus faecium 340.
stability, dipeptidase 11353.
stability, penicillinase, antibacterial activity, gram-negative bacteria, comparison cephalosporins 12906.
treatment, Pseudomonas aeruginosa pneumonia, animal models 10315.
S-Formyl glutathione,
substrates, formate dehydrogenase, Achromobacter parvulus 8611.
N-Formylmethionyl-tRNA,
binding ribosomes, inhibition, association factor I, protein biosynthesis, Bacillus stearothermophilus 9690.
Formyltetrahydrofolate synthetase,
ATP, ADP binding, conformational analysis, electron microscopy, Clostridium thermoaceticum 11151.
self-assembly, temperature effects on, Clostridium acidurici 4924.
Fortimicin,
biosynthesis, structure, radioactive labelling 2961.
structure, antibacterial activity, production, toxicity 311.
Fortimicin A,
β-lactam antibiotics, antibiotic synergism, antibacterial activity, Pseudomonas aeruginosa 343.
Fosfomycin,
antibacterial activity, Bacillus cereus, Staphylococcus aureus, effects on structure 8791.
antibacterial activity, bacteria experimental infection, treatment, mice 3039.
antibiotic resistance, plasmids, transfer, Escherichia coli 7836.
± benzylpenicillin, treatment, endocarditis, Streptococcus sanguis 330.
comparison, antibacterial activity, sodium hydrogen 3-(N-hydroxyformamido)propylphosphonate, in vitro, in vivo 1765.
+metronidazole, prophylaxis, postoperative infection, association, surgery, colon, rectum, man 3488.
treatment, glucose-6-phosphate effects on, Klebsiella experimental infection, animal models, man 11985.
treatment, gram-negative bacteria, pyelonephritis, urinary tract infection, man 7051.
treatment, Salmonella infection, children 7133.
treatment, septicemia, antibiotic resistance bacteria, man 11900.
treatment, septicemia, endocarditis, Escherichia coli, Serratia, Staphylococcus, man 3551.
treatment, urinary tract infection, man 7032.
Fosmidomycin,
synergism, β-lactam antibiotics, gentamicin, trimethoprim, antibacterial

Fosmidomycin, (continued)
activity, Enterobacteriaceae 11391
Fouling,
metals surfaces, filamentous microorganisms, marine environment, cleaning, effects on 4650
Fourier analysis,
ferredoxin, structure, Azotobacter vinelandii 7490
Fowl cholera,
Pasteurella multocida, Corvus brachyrhynchos, outbreaks, USA, Texas 5475.
Pasteurella multocida, pathogenesis, turkeys, transport, effects on 3607.
Pasteurella multocida vaccination, chickens 633.
turkeys, eye infection, Pasteurella multocida 1057.
Fowl typhoid,
Salmonella gallinarum, chickens, India 3628.
Salmonella gallinarum, Salmonella enteriditis, Freund's adjuvant, fowl typhoid, hypersensitivity (delayed), chickens 4325
Fractionation,
carbon isotopes, methane oxidation, Methylomonas methanooxidans, use, chemical analysis, ground water 7428.
genomes DNA plasma membranes complex, Bacillus subtilis 6566.
Fractures,
Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa, Enterobacter, wound infection, man 3444
Fragments,
peptidoglycans, characterization, Neisseria gonorrhoeae, benzylpenicillin, effects on 1462
Frameshift mutant,
Escherichia coli, ilvG gene, nucleotide sequence 5834.
Salmonella typhimurium 9-aminoacridine derivatives 5841
Frameshift mutants,
tRNA suppressors, recognition codons, Salmonella 2883
Frameshift mutation,
Escherichia coli DNA, site location, preferences 12502.
ICR-191 induction, lacI gene, Escherichia coli 11270.
France,
cattle, diseases, Clostridium sordelli, sodium chlorate intoxication 4575.
coastal environments, hydrocarbons biodegradation, aquatic microorganisms 129.
geriatrics, lung tuberculosis 3333.
gonorrhea, penicillinase production, man, surveys 13243.
horses, dermatophilosis, treatment, bipenicillin, dihydrostreptomycin 1072
infants, man, tuberculosis, lung 6980
lakes, gram-negative bacteria infection, Perca fluviatilis 5468.
man 6988
man, arthritis, spondylodiscitis, gram-negative bacteria, incidence 4462.
man, brucellosis, incidence 7195.
man, case reports, Legionnaire's disease, clinical aspects, serum, diagnosis 2005.
man, genitourinary tract tuberculosis, clinical aspects, treatment 4424.
man, meningitis, Haemophilus influenzae, incidence, pathology, clinical aspects 891.
man, Salmonella infection, diagnosis, epidemiology 10450
man, spondylodiscitis, Staphylococcus, incidence 3534.
oil spills, biodegradation, bacteria 99.
Phoenicopterus ruber roseus, gastrointestinal tract, incidence, Mycobacterium 4569
Salmonella, serotypes, incidence, origin 1325.
swimming pools, epidemiology, skin mycobacteriosis, chlorination effects on, man 3276.
Francisella,
taxonomy 8337.
Francisella tulanemsis,
clinical aspects, identification, isolation 10897
Francisella tularensis,
antibody response, association, Lepus americanus, Alces alces 13039
experimental infection, rabbits guinea-pigs, aerodin treatment, effects on immune response 6181
incidence, man, Mammalia, Canada 1070.
infection, immune response (cell-mediated), man 553.
tularemia, disease transmission, Ixodes redikorcevi vectors, Rodentia 13382.
tularemia, man, case reports 9225.
vaccination, rats, animal models 6134.
Frankia,
check lists, isolates, world 10820.
infection, roots nodules induction, Coriaria arborea, ultrastructure 12125.
infection, roots nodules induction, Discaria toumatou, ultrastructure 12127.
inoculation, effects on, growth, nodulation, Alnus glutinosa, Netherlands 3689
isolation, Alnus viridis, nitrogen, carbon, nutrient requirements, association, amino acids 10981
isolation, cultivation, Alnus glutinosa 2502
nitrogen fixation, vesicles structure 12319.
nodulation, nitrogen fixation, seasonal variations, Myrica gale 12146.
plants isolates, nitrogen fixation, nitrogenase activity, in vitro 4630.
strains, Hippophae rhamnoides nodulation, specificity 12117.
suppression, glyoxylate cycle, symbiosis, nodules, Alnus glutinosa, Hippophae rhamnoides 10783.
symbiosis, Alnus incana, nodules, isolation 10736.
Frateuria,
nutrient requirements, nitrogen 3847.
Fraxinus excelsior,
canker, Pseudomonas syringae subsp.savastanoi 8137.
canker, Pseudomonas syringae subsp.savastanoi pv.fraxine 3670.
Free radicals,
oxygen, hydrogen peroxide, effects on, Bacteroides fragilis, survival 3088.
Free-living,
bacteria, aquatic environment, effects on phosphorous cycle 6447.
Freeze drying,
effects on Bacillus subtilis spores, heat resistance, population density 1764.
Freeze-drying,
Anaplasma marginale, infectivity, characterization 5571.
effects on Corynebacterium melassecola mutants, lysine production 5572.
Fusobacterium mortiferum, viability, culture collections, temperature effects 2531.
storage, association, Rhizobium culture, factors affecting survival 9514.
temperature, vacuum, effects on Brucella abortus vaccines 13052.
Freeze-etching,
plasma membranes, ultrastructure, characterization, Clostridium perfringens,
Freeze-etching, (continued)
Clostridium oedematiens, Clostridium tetani, Bifidobacterium bifidum 2601.
Freeze-fracture,
bacteriorhodopsin vesicles 5694.
bacteriorhodopsin+phosphatidylcholine vesicles, lipid bilayers, characterization, conferences 2690.
Chromatium minutissimum, membrane structure, cytoplasmic membranes 10958.
electron microscopy, thylakoids, Rhodopseudomonas viridis 1413.
fixation, bacteria genomes, reviews 7422.
membranes, ultrastructure, Bifidobacterium bifidum 12309.
plasma membranes, ultrastructure, characterization, Clostridium perfringens, Clostridium oedematiens, Clostridium tetani, Bifidobacterium bifidum 2601.
purple membranes, Halobacterium halobium, morphology, characterization 5690.
ultrastructure comparison, Acholeplasma laidlawii, Mycoplasmatales virus-laidlawii 8362
Freeze-thawing,
association, chemicals, treatment, effects on, incidence, Salmonella typhimurium, meat, chickens 3092.
diseases, Pseudomonas, association, Hordeum vulgare, cryoinjury 5506.
effects on, Escherichia coli, mutants, DNA repair deficiency 1433.
peptidoglycans biosynthesis, cell walls, plasma membranes, Aerococcus viridans 6675.
Pseudomonas aeruginosa, resistance, role DNA repair genes, R factors 12810.
Freezing,
association, survival, isolation, bacteria, man semen 2519.
effects on, Lactobacillus acidophilus, colonial characteristics, bile sensitivity 2628.
radiation, sterilization, effects on, Yersinia enterocolitica, viability 2659.
Frequency,
Haemophilus influenzae, transformation, RSF0885 2954.
transfer, IncP-1 plasmid, Pseudomonas aeruginosa, gram-negative bacteria, insertion sequences, genetic analysis 2927.
transfer, P plasmid, Rhizobium, Escherichia coli, maintenance 4132.
Fresh water,
effects on bacterioplankton, marine microorganisms, heterotrophy, Canada 2482.
Mycobacterium, isolation 6440.
USA, Louisiana, Vibrio cholerae isolation, enterotoxins biosynthesis 469.
Freshwater ecosystems,
ecosystem analysis, microcosms, bacteria, nutrient dynamics, physicochemical properties 9488
Freshwater environment,
bacteria, growth, seasonal variations, temperature tolerance 13524.
minerals, effects on, bacteria, attachment, rocks 13523.
organic matter, biodegradation, bacteria 135.
Freshwater environments,
British Isles, nitrogen cycle, sulfate reduction, methanogenesis, decomposition, factors affecting 3735.
British Isles, sediments, nitrogen cycle, sulfate reduction, methanogenesis, decomposition, factors affecting 2490.
ecosystem analysis, microcosms, conferences 8248.
Freshwater microorganisms,
denitrification, rivers 12403.
Freshwater pollution,
agricultural runoff, Myxobacteria, Pseudomonas aeruginosa, rivers, Czechoslovakia 1186.
Freund's adjuvant,
Salmonella gallinarum, Salmonella enteriditis, vaccines, fowl typhoid, hypersensitivity (delayed), chickens 4325.
Frog,
man, lung, tuberculosis, diagnosis, incidence 1971.
Frogs,
neuromuscular junctions, Clostridium botulinum neurotoxins effects on acetylcholine release, role calcium 11512.
Frost,
damage, Citrus, association, bacteria, nuclei, cold resistance 2560.
Frostbite,
association, tetanus, man, case reports 2272.
Frozen food,
bacteria contamination, counting methods, books 13538.
Escherichia coli, Staphylococcus, enumeration, filtration 2528.
isolates, Escherichia coli, assays, methodology 1277.
Fructan,
Erwinia herbicola, characterization 12707.
Fructokinase,
Streptomyces violaceoruber, biosynthesis, mRNA, cell-free system 5768.
Zymomonas mobilis, activity, regulation, characterization 7598.
Fructose-biphosphatase,
Thiobacillus neopolitanus, localization, Carboxysomes 4918.
Fructose-bisphosphatase,
deficient mutant, gene mapping, Bacillus subtilis 6717.
Fructose-bisphosphate aldolase,
Mycobacterium tuberculosis, purification, characterization 7608.
Fructosyltransferase,
enzymatic activity, inactivation 2819
Streptococcus salivarius, enzymatic activity, inactivation 2819.
Fruit bodies,
Myxococcus xanthus, formation, relationship, adenosine release, association, population density 1361.
Stigmatella aurantiaca, formation, association, pheromones biosynthesis 6681.
Fruit rot,
Rhizoctonia solani, endothall, paraquat, effects on, Cucumis sativa 1151.
Fruit trees,
disease resistance, Mycoplasma infection, incidence, German Dem. Rep., USSR, Bulgaria (People's Rep.) 2417.
seedlings, growth, soil microorganisms, soil solarization effects on 12151.
Fruits,
extracts, Maclura pomifera, antibacterial activity 450.
Pisum sativum, growth, association, nitrogen fixation 9467.
FTA-ABS test,
diagnosis, syphilis, man 934.
syphilis diagnosis, man 6034.
Fuchsin,
application, detection, dental caries, man 3294.
Fucidin,
ointments, treatment, impetigo, man 1936.
treatment, skin diseases, man 13080

Fucoidan,
  Nemacystus decipiens, biodegradation, Vibrio, identification, coastal environments, Japan 42.
Fucose,
  serum levels, detection, tuberculosis pathogenesis, man 11735
Fuels,
  aircraft, incidence, Pseudomonas, 2-methoxyethanol effects on 134.
  wells drilling fluids, marine environment, sand, effects on microorganisms 10803.
Fumarate,
  +hydrogen, Citrobacter freundii continuous culture, ATP production 12454.
  reagents, Voges-Proskauer test, gram-negative bacteria identification 10888.
Fumarate reductase (NADH),
  iron, sulfur clusters, E.S.R., Vibrio succinogenes 4031.
  iron-sulfur centers, characterization, Vibrio succinogenes 4920
Function,
  adherence, Streptococcus salivarius, cell walls, proteins, antigens, characterization 10167
  capsules, Mycoplasma gallisepticum, characterization 5620.
  carboxysomes, Thiobocillus neapolitanus, Calvin cycle, enzymes, models 5773.
  cerebrospinal fluid cells, bacteria infection, central nervous system diseases, man 9179.
  spo0H locus, sporulation, exodeoxyribonuclease I, Bacillus subtilis 8614.
Functional morphology,
  dimorphism, Xenorhabdus, symbiosis, Neoaplectana, Heterorhabditis 6387.
  rabbits, vibrio cholerae toxins effects on 478
Fungi,
  antigens, association, leukocytes (mononuclear) proliferation, Mycobacterium antigens immunosuppression, man 7949.
  antimicrobial activity, Moringa oleifera, Moringa stenopetala, plant extracts 432.
  antimicrobial activity, triazolin-3-thione derivatives, structure-activity relationships 8852.
  antimicrobial activity, 2-arylthiobenzimidazole, 2-arylsulphonobenzimidazole, 2,4-dinitro-12(H)-oxo-benzimidazo[2,1-b][1,3]benzothiazine 8841.
  association, Streptomyces, scab, Solanum tuberosum 4603.
  bacteria, airborne microorganisms, buildings, pigs 3746.
  bacteria, dust, composts, mushrooms culture, enumeration 2468.
  bacteria, oil biodegradation, railroads soil 7424.
  cellulose biodegradation, rumen microorganisms, sheep, methanogenic bacteria, effects on 3679
  competition, bacteria, protozoa, role toxins, antibiotics, predation 6405.
  contaminants, diets, rearing, Heliothis 1130.
  contamination, swelling agents, dry heat disinfection 426.
  copra microflora, water content, weather effects on 2474.
  Corchorus capsularis phyllosphere, antagonism, Colletorichum corchori, in vitro 9425.
  culture collections, contamination, bacteria, purification, methodology 4678.
  food contamination, Brevibacterium linens production antifungal agents, antifungal activity 8158.
  infection, man, skin diseases, treatment, conferences 10827.
  infection, man, skin diseases, treatment, conferences 10834.
  interaction, bacteria, wood colonization 6818.
  Methanosarcina barkeri, Methanobrevibacter, mixed culture, cellulose fermentation, methanogenesis 8429.
  microflora, root rot, Medicago sativa 6394
  mixed culture, bacteria, nitrogen fixation, hydrogen production 12726.
  patulin, carbohydrates effects on antibacterial activity, Streptococcus bovis 12951.
  Protozoa, bacteria, rhizosphere, Bouteloua gracilis, observation methods 4621
  rhizosphere microorganisms, Plantago lanceolata, abundance, factors affecting 1161.
  secondary metabolism, association, growth, development 8467.
  skin infection, treatment, gentamicin+miconazole+betamethasone, man 5271.
  soil, aflatoxin B_1, effects on 3683.
  soil, chitin biodegradation 4747
  soil microorganisms, fungicides effects on population dynamics 5512.
  soil microorganisms, interaction Rhizobium japonicum, mycotoxins, effects on populations, Glycine max nodulation 8156.
  soil microorganisms, pollution effects, pesticides 1209.
  soil microorganisms, species diversity, agricultural land, New Zealand 1210.
  soil microorganisms, terbacil effects on 1215.
  spore germination, Azotobacter effects on 13457.
  susceptibility, Pseudomonas pigments, characterization 5697.
  triticale, microorganisms, rhizosphere, water stress, effects on 3704.
Fungicides,
  disease control, Xanthomonas phaseoli, leafspot, Vigna radiata 13454.
  effects on Rhizobium, Arachis hypogaea isolates, in vitro 3730.
  effects on Rhizobium, growth, anabolism 3089.
  effects on, Rhizobium trifolii, nodulation, nitrogen fixation, Trifolium repens 4624.
  effects on soil microorganisms population dynamics 5512.
  enumeration, Rhizobium, soil 1227
  inhibition, Rhizobium trifolii, nodulation, nitrogen fixation, Trifolium repens 12131.
  pollution effects, water pollution, Escherichia coli, Pseudomonas fluorescens, Pseudomonas aeruginosa 1208.
  seed treatments, Medicago sativa, effects on Rhizobium meliloti nodulation 1187.
  soil microorganisms, effects on carbon dioxide fixation 6833.
Fungistasis,
  Geotrichum candidum, pigments, chelating agents, Pseudomonas fluorescens 11036.
Fungistats,
  dihydrochalcones analogs, Myrica gale 5972.
Furadoine,
  antibiotic sensitivity testing, Salmonella, isolates 8759.
Furan,
  derivatives, synthesis, antibacterial activity 419.
Furazolidine,
  Salmonella typhi, Salmonella paratyphi, antibiotic resistance, agar dilution test 3044.
Furazolidone,
  antibacterial activity, mutagenicity testing, Escherichia coli, Salmonella typhimurium 8695.
  antibiotic resistance, Salmonella gallinarum, in vitro, in vivo, chickens 5117.
  drug resistance, Staphylococcus aureus 380.
Furbenicillin,
  comparison, carbenicillin, bactericidal activity, Pseudomonas, Providencia 7778
Furpyrinol,
  antibacterial activity, bacteria, fish diseases 3001.
Furunculosis,
  Anguilla rostrata, Aeromonas salmonicida 1088.
  association Staphylococcus aureus β-hemolysin activity 12973.
  Parasalmo gairdnerii, infection, chloramphenicol 10663.
  Salmonidae, treatment, chloramphenicol 12057.
  Staphylococcus aureus, epidemiology, bacteriology, man 1935.
  Staphylococcus aureus, outbreaks, mice 1073.
Fusarium,
  microflora, root rot, Medicago sativa 6394.
  +Pseudomonas, synergism, soil isolates, biodegradation, benzylpenicillin 1380.
  soil microorganisms, fungicides effects on population dynamics 5512.
  spore germination, Azotobacter effects on 13457.
  T-2 toxin, F-2 toxin, DAS toxin, effects on glucocorticoids, intestinal microflora, rats, pigs 12035.
  wilt, antagonism, rhizosphere microorganisms, Lycopersicon esculentum, Citrullus lanatus 13469.
Fusarium oxysporum f.sp.albedinis,
  parasitism, actinomycetes 6406.
Fusarium oxysporum f.sp.lycopersici,
  interaction rhizosphere microorganisms, Lycopersicon esculentum wilt 13468.
Fusarium oxysporum f.sp.medicaginis,
  inhibition Corynebacterium insidiosum, wilt, Medicago sativa 10739.
  interaction, Corynebacterium insidiosum, infection, Medicago sativa 13427.
Fusarium oxysporum f.sp.niveum,
  Rhizosphere microorganisms interaction, association Citrullus lanatus wilt 13470.
Fusarium solani,
  decay, Daucus carota 4602.
  fluoroacetate, metabolism 1544.
Fusidic acid,
  antibiotic sensitivity testing, Bordetella pertussis, clinical isolates 7769.
  +cloxacillin, treatment, Staphylococcus osteomyelitis, neonates 7127.
Fusiformis fragilis,
  biodegradation, N-nitrosamines 132.
Fusion,
  bone surgery, man, tuberculosis elbow 6316.
  phagosomes, lysosomes, macrophages, phagocytosis, Brucella suis, mice 11565.
  Streptomyces lavendulae protoplasts, clones isolation 7418.
Fusobacter,
  man, liver abscesses, treatment 8061.
Fusobacterium,
  abscesses, skin, etiology, children 680.
  anaerobic conditions, carbon dioxide, effects on erythromycin antibacterial activity 6813.
  antibacterial activity, niridazole, comparison, metronidazole 10040.
  antibacterial activity, sulbenicillin 4174.
  association, otitis media, man 2004.
  dental plaque microflora, man, New Zealand 725.
  dental plaque, sex hormones effects on, man, females 5282.
  fatty acid composition, gas chromatography, taxonomic significance 1572.
  identification, antibiotic sensitivity testing 8286.
  immunoglobulin G antibodies, detection, blood donors, man 571.
  incidence, sinusitis, children 773.
  isolation, abscesses, pigs 8094.
  isolation, tonsillitis, recurrent infection, children 1989.
  microflora, maxillary sinus, man 673.
Fusobacterium mortiferum,
  antibacterial activity, Eupenicillium abidjanum antibiotic FA-2097 7811.
  viability, freeze-drying, culture collections, temperature effects 2531.
Fusobacterium necrophorum,
  Corynebacterium pyogenes, synergism, infection, uterus, postparturition, cattle 2371.
  dysentery, pigs 9347.
  fistulae, uterus, case reports, man 7042.
  hemoglobulinuria, cattle, juveniles, case reports 8113.
  infection, mice, association liver abscesses 9360.
  leukocytes, cytotoxicity, production, in vitro, characterization 12990.
  man, septicemia metastasis, case reports 7140.
  necrobacillosis, association, hemoglobinuria, cattle, juveniles 5456.
  septicemia, respiratory function, man, case reports 10463.
  strains, DNA homology, taxonomy 151.
Fusobacterium nucleatum,
  brain abscesses, man, case reports 5342.
  cell walls, hemagglutinins, isolation, characterization 12558.
  identification, API test 1303.
  lipopolysaccharides extracts, effects on gingiva, Macaca fascicularis 11680.
  lysine biodegradation pathways 12379.
  peptidoglycans, primary structure 1567.
  population composition, dental plaque, Macaca fascicularis 2345.
  respiratory tract infection, clinical aspects, man 11707.
  ultrasound effects on 715.
Fusobacterium simiae sp.nov.,
  characterization, isolation, dental plaque, monkeys 9546.

Gabaculine,
  antibacterial activity, Bacillus sphaericus, D-alanine aminotransferase inhibitors 8608.
Gadus morhua,
  fin rot, Pseudomonas, Aeromonas, Vibrio, pathology 5484.
Gaeumannomyces graminis,
  infection, Triticum aestivum, Pseudomonas, isolation, roots 1160.
  take-all, Pseudomonas antagonism, rhizosphere, Triticum 7308.
Gaeumannomyces graminis var.tritici,
  effects on Triticum aestivum rhizosphere bacteria population dynamics 8190.
  growth, Agrobacterium polysaccharides effects on 8212.
  rhizosphere microflora, Tritium aestivum, urea, benomyl, foliar applications effects on 9474.
Gaffkemia,
  Aerococcus viridans, incidence, Homarus americanus 13418.
Galactonate,
  catabolism, saprophytes, Mucobacterium 122.
Galactonate dehydratase,
  purification, characterization, Mycobacterium butyricum 4009.

Galactonate dehydratase, (continued)
purification, characterization, Mycobacterium butyricum 5737
Galactose,
binding proteins, Escherichia coli, amino acid sequence 7535.
metabolism, Streptococcus lactis, regulation, phosphotransferase, characterization 6637
metabolism, Streptococcus thermophilus, growth 12468
polysaccharides, Streptococcus pneumoniae, structure-activity relationships 6670.
residues, association, lipopolysaccharides, receptors, phage T4, mutants, Escherichia coli 9845
D-Galactose,
carbon sources, media (culture), Pseudomonas tomato, cultural characteristics 8258.
Galactose-binding protein,
chemotaxis relationship dimerization, Escherichia coli 8359.
β-Galactosidase,
Escherichia coli, membranes, association, temperature-sensitive mutant, gene mapping 267.
β-D-Galactosidase,
biosynthesis, association, Escherichia coli operons fusion, virulence 10170.
biosynthesis, Escherichia coil, catabolite repression, induction, association, cyclic AMP 8622.
Escherichia coli, activation, role monoclonal antibodies 9783.
Escherichia coli, biosynthesis, lacZ gene mutants 6707.
Escherichia coli, mutants, overproduction, chemostats 1632.
induction, Streptomyces venezuelae, catabolite repression 7446
interaction, glycals, affinity labelling, Escherichia coli 6661.
Lactobacillus bulgaricus, immobilized enzymes, characterization 196.
mutants forms, substrate specificity, relationship evolutionary genetics, Escherichia coli 4850
Mycobacterium, activity, fluorescence tests, role 4-methylumbelliferone 8272.
proteolysis, Escherichia coli 6622.
purification, characterization, Streptococcus cremoris 4870.
purification, characterization, Streptococcus thermophilus 4000.
β-Galactoside,
transport, Escherichia coli, temperature effects on 5624.
Galactoside acetyltransferase,
defective mutant, lacA gene, purification, characterization, Escherichia coli 6711.
Galapagos,
marine environment, hydrothermal vents, isolation, anaerobic bacteria, Spirochaeta 8245.
Gallbladder,
distention, association, Streptococcus group B sepsis, infection, man 8067.
man, infection Actinomyces israelii, identification 6475
man, tuberculosis, case reports 13321.
Galleria mellonella,
Bacillus thuringiensis δ-endotoxin effects on 1834
hemolymph, immunity, effects on ultrastructure, Pseudomonas aeruginosa 10234.
Hyalophora cecropia, Lepidoptera, immunity (humoral), proteins, antibacterial activity, gram-negative bacteria 3227.
immune response, hemolymph, pathogenicity, Bacillus cereus 7948.
immunity, infection, Pseudomonas aeruginosa, Proteus mirabilis, Naja naja atra cobra venom factor effects on 3192
larvae, Spiroplasma pathogenicity 4600
mortality, temperature effects, parasitism, Heterorhabditis bacteriophora, Xenorhabdus luminescens 3654.
pathogenicity, gram-negative bacteria 8129
pathogens, mutants, enzymes, cell surface, virulence, Pseudomonas aeruginosa 6390
susceptibility, pathogenicity, Bacillus thuringiensis serotypes 12082.
virulence, proteinase, cell surface mutants, Pseudomonas aeruginosa 8133.
Gallic acid,
derivatives, antibacterial activity, Escherichia coli 3099.
Gallium,
scanning, Staphylococcus epidermidis intra-abdominal infection, abscesses, diagnosis, treatment, man 11988
Gallium citrate,
accumulation, association, inflammation, Streptococcus faecalis, experimental infection, subcutaneous chambers, rabbits 2209
Gallium-67,
diagnosis, pericarditis, man 959.
diagnosis, pericarditis, Mycobacterium tuberculosis, man 962
use, diagnosis, spondylitis, man, case reports 9282.
Gambia,
man, infants, intestinal microflora, association, diarrhea 2040.
Ganglioside Gm1,
vesicles, toxins receptors, binding, phospholipids vesicles models membranes, quasielastic light scattering 7888
Gangliosides,
binding toxins effects on quaternary structure, conformational analysis, fluorescence, Vibrio cholerae 11481.
+enzyme-linked immunosorbent assay, detection, Escherichia coli enterotoxins 4224.
interaction Escherichia coli enterotoxins, Vibrio cholerae toxins 5182.
specificity, Escherichia coli enterotoxins 4234.
toxins Vibrio cholerae binding, penetration liposomes 6857.
Gangrene,
bacteria, diagnosis, clinical aspects, bladder, man, case reports 4423.
Pyoderma gangrenosum, postoperative infection, etiology, treatment, man 4514.
Streptococcus, clinical aspects, diagnosis, treatment, case reports, man 12027.
Streptococcus, man, case reports 7175.
Gardnerella vaginalis,
abscesses, transplantation, kidney, man, case reports 4422.
adherence, vagina epithelium cells in vitro 4721.
bacteriuria, pregnancy, man 2069.
drug resistance, metronidazole, finidazole 8858.
identification, man blood culture 4690
infection, association, balanoposthitis, man, case surveys 8006.
isolation methodology, fatty acid composition, gas chromatography 9507.
vaginitis, treatment, diagnosis, man, reviews 9157.
Garlic,
extracts, antibacterial activity 4211.
Gas chromatography,
anaerobic bacteria, identification 9560.
chemical analysis, mycolic acids, Corynebacterium 11222.
Gas chromatography, (continued)
Clostridium difficile acids characterization 4068.
diagnosis, bacteremia, man 3505
fatty acid composition, Fusobacterium, taxonomic significance 1572.
Gardnerella vaginalis isolation methodology, fatty acid composition 9507.
identification, anaerobic bacteria 9573.
prostaglandins, Propionibacterium acnes 12717.
pyrolysis products, identification, bacteria 12240
pyrolysis, Streptococcus faecalis, cell culture growth conditions effects on 9512.
Streptococcus mutans, bacteria, identification 2548.
Gas exchange,
carbon dioxide, photosynthesis, selection, Pisum sativum, association, growth, nitrogen fixation 8169.
Gas gangrene,
association, cellulitis, bacteria, morbidity, mortality, treatment, prophylaxis, man 10600.
bacteria, association, carcinoma, cecum, man, case reports 2047.
Clostridium, nosocomial infection, epidemiology, man 2213.
Clostridium, pathology, mortality, man, Canada 3456.
clostridium perfringens, association, aorta embolism, cats, case reports 9363.
Clostridium perfringens, association cholecystectomy, man, case reports 6299.
Clostridium perfringens, nosocomial infection, epidemiology, man, hospitals 2212.
Clostridium perfringens, prophylaxis, treatment, association, amputation, penicillin, metronidazole, man 10576.
Clostridium septicum, man, case reports 5385.
Clostridium septicum, man, case reports 5401.
hyperbaric oxygen therapy, man, anaerobic bacteria 2303.
Gas production,
coliforms, detection, association, media (culture) 2515.
Escherichia coli, intestinal microflora, colon, endoscopy, man, mannitol, effects on 3263.
Nitrosomonas europaea, nitrification, nitric oxide, nitrous oxide, role 9431.
Shigella flexneri, R plasmid effects on 2925.
Gas vacuoles,
Halobacterium salinarium, mutants, morphology, proteins, characterization 2626.
ultrastructure, square bacteria 6492.
Gas-liquid chromatography,
diagnosis, Rocky Mountain spotted fever, meningitis, Neisseria meningitidis, serum, man 2288.
Enterobacteriacea metabolites characterization 8299
identification, Clostridium difficile 12257
isobutyric acid, isovaleric acid, propionic acid, Thermoactinomyces vulgaris, Thermomonospora fusca, Thermoactinomyces candidus 5795.
Yersinia pseudotuberculosis, Yersinia enterocolitica, fatty acid composition 9808.
Gases,
blood, Anaplasma marginale infection effects on, cattle 13391.
composition, effects on, Ureaplasma urealyticum, growth, media (culture) 3838.
embolism, association, septicemia, Escherichia coli, diagnosis, clinical aspects, man, case reports 2226.
fertilizers, effects on, denitrification, soils (acid), forests, in vitro 3712.
rats respiration, pentane production, role intestinal microflora 13364.
Gastric juice,
surgery, association, cimetidine effects on bacteria growth, man 10984.
Gastroenteritis,
association, incidence, Escherichia coli, children, New Zealand 3372.
association, swimming, Enterobacteriaceae, water quality, man 7988.
bacteria, etiology, diagnosis, clinical aspects, treatment, children, man 4418.
Campylobacter fetus, diagnosis, methodology 6203.
Campylobacter fetus subsp.jejuni, characterization, erythromycin treatment, man 6209
Campylobacter fetus subsp.jejuni, diagnosis, incidence, man, Saudia Arabia 2025.
Campylobacter fetus subsp jejuni, neonates, man, case surveys 3373.
Campylobacter fetus subsp.jejuni, outbreaks, association, contamination, water supplies, man 11763.
clinical aspects, epidemiology, Vibrio cholerae, man, USA 815.
diagnosis, symptoms, treatment, Campylobacter fetus subsp.jejuni, man 835.
Edwardsiella tarda, association, Pseudemys, case reports, man 11770.
Escherichia coli methodology, isolation methodology effects on, pathogenicity 12208.
etiology, rotavirus, bacteria, children, Trinidad 5312.
incidence, children, infants, ethnic groups, Australia 2026.
man, relationship microbial pollution, recreation sites 11761.
nosocomial infection, epidemiology, bacteria, man 10506.
presentation, septicemia, Neisseria meningitidis, treatment, man, case reports 3483
relationship Escherichia coli water pollution, swimming, man 6198.
role intestinal microflora, man 13171.
Salmonella, association, polyarthritis, antigen-antibody complexes, man, case reports 569.
Salmonella enteritidis, antibodies, assays, passive reverse hemagglutination, man 1841.
Salmonella, treatment, phosphomicin, man 2031.
Salmonella typhimurium infection, nosocomial environments, case surveys 6264.
Shigella, diagnosis, leukocytes enumeration, children 10372.
Shigella, etiology, epidemiology, man, institutions 807.
Shigella, man, reviews 7028
Shigella sonnei, rotavirus, outbreaks, Brazil, children, man 7991.
Vibrio cholerae, food poisoning, shellfish, association, man, case reports 3362.
Yersinia enterocolitia, incidence, seasonal variations, man, USA, Missouri 3357.
Yersinia enterocolitica, incidence, seasonal variations, man 3358.
Yersinia enterocolitica isolation, man, Nigeria 842.
Gastrointestinal tract,
Actinomyces israelii, infection, diagnosis, man 4440.
Aeromonas hydrophila, Plesiomonas shigelloides, pathogenicity, man 5319.
bacteria, fibers food additives effects on, pigs 8081.
bacteria, hydrogenation, steroids, man 1401.
bleeding, association, typhoid fever, treatment, surgery, man, case reports 3359.
Campylobacter fetus subsp.jejuni colonization, mice, neonates 1086.
colonization, Salmonella, Escherichia coli, intestinal microflora, chickens, effects on 1052.
colonization, Streptococcus faecium, association, oral administration, man 7006.
ecosystem models, microorganisms, continuous culture, rats 3561.
endoscopy, relationship, bacteremia, man 7172.
Escherichia coli, adherence, cells, monolayers, analysis, Michelis-Menten

Gastrointestinal tract, (continued)
parameters, man 1336.
Escherichia coli colonization, intestinal microflora effects on, chickens 1053.
Escherichia coli enterotoxins acute toxicity, calcium, quinacrine hydrochloride, zomepirac sodium effects on, mice 6023.
gnotobiotics mice, Escherichia coli strains antagonism 13415.
gram-negative bacilli, association, respiratory tract postoperative infection, man 13149.
infection, Salmonella, Escherichia coli, chickens 13385.
Macaca arctoides, dilation, association, Clostridium perfringens infection 12044.
man, acidosis, diagnosis, treatment, microflora, case reports 13070.
man, brucellosis, cimetidine effects on, case reports 13170.
man, Escherichia coli, plasmids, transfer 7705
microflora, cimetidine, antacids, effects on, man 6140
microflora, decontamination, use, antibiotics, association, prophylaxis, infection, monkeys 13361.
microflora, inhibition, Salmonella, adherence, chickens, scanning electron microscopy 13358.
Mycobacterium, incidence, Phoenicopterus ruber roseus, France 4569.
pathology, typhoid fever, man 817.
salmonellosis, characterization, treatment, man 11786.
sheep, cattle, incidence, Salmonella, abattoirs 3638.
spirochetosis, clinical aspects, pathology, man 9130.
spirochetosis, diagnosis, man 828
surgery, obesity treatment, effects on intestinal microflora, man 666.
surgery, postoperativeinfection stomach microflora, bacteria, man 668.
tuberculosis, comparison, Crohn's disease, pathology, diagnosis, man 836
tuberculosis, pathology, diagnosis, man, case reports 9129.
vitamin B_1, abundance, relationship, microorganisms activity, sheep 3558

Gastrointestinal tract diseases,
association, Clostridium difficile enterotoxins, man 12985.
association, diarrhea, bacteria, pathogenesis, man, reviews 4419.
association, food, enterotoxins detection, Staphylococcus, man 10065
infants man, Chlamydia trachomatis infection, immunosuppression 7990.

Gastrointestinal tract infection,
bacteria, cefoperazone, clinical trials, man 7986.
bacteria, imported diseases, monkeys 10694.
bacteria, treatment, antibiotic 6059-S, children 2016.
cefotaxime treatment, man 6207.
Clostridium, diagnosis, treatment, clinical aspects, man, reviews 13277.
Escherichia coli, Salmonella, dogs, India 13377.
immune response, bacteria, fungi, association, immunodeficiency, man 11577.
man, enteritis, Bacillus 9136.
man, Escherichia coli, hemolysins effects on virulence 7995.
man, peritonitis, association Neisseria meningitidis, case reports 7994.
man, treatment 10364.
Protozoa, bacteria, association, homosexuality, man, British Isles 11760.
rats, lactic acid bacteria colonization 9375.
scours, mixed infection, rotavirus, Escherichia coli, pathology, cattle 12048.

GDP,
analogs complex, interaction, elongation factor Tu, magnesium, N.M.R., E.S.R., Bacillus stearothermophilus 11084.
binding elongation factor Tu, analysis, Escherichia coli 8492
elongation factor Tu elongation factor Ts complex, dissociation, Escherichia coli 3917.
manganese elongation factor Tu complex, E.S.R., Escherichia coli 4812.

Geese,
eggs, bacteria contamination 2388.

Gel diffusion,
classification, Pediococcus, Aerococcus 38.
identification, Escherichia coli, enterotoxins, man, pigs 3127.
polyene antibiotics, stability 11358

Gel electrophoresis,
purification, enterotoxins, Escherichia coli 12970.

Gel filtration,
δ-hemolysin, physicochemical properties, Staphylococcus aureus 5151.
methodology, lipase, Pseudomonas fluorescens, Serratia marcescens 8591.

Gelatin,
culture, Proteus mirabilis proteinase production 9779.
effects on penicillinase kinetics, Bacillus cereus 7599.
tests, use, photography films, Voges-Proskauer test, methodology, bacteria 10871.

Gelatin disc drying method,
media (transport), preservation, Enterobacteriaceae, Neisseria gonorrhoeae, Streptococcus, Branhamella, Haemophilus, Gemella, Pseudomonas, Flavobacterium, Bacteroides 6454.

Gels,
blood culture media (culture), isolation Neisseria meningitidis 6453.
carrageenins, use, bacteria immobilization 179.

Gemella,
preservation, gelatin disc drying method, media (transport) 6454.

Gene amplification,
ampC gene, Escherichia coli 2878.
Escherichia coli, recA gene, transposon Tn1771 9869
methodology, cloning genes, Escherichia coli 4969.
Salmonella typhimurium, R factor R1767 9885.

Gene expression,
Agrobacterium tumefaciens Ti plasmid octopine synthase genes, crown gall, Helianthus annuus 7689.
Bacillus subtilis, chloramphenicol resistance, role, transposon Tn9 8811.
Bacillus subtilis, phage SP10 5856.
Bacillus subtilis sporulation, RNA polymerase 266.
cloning, α-interferon genes, phage M13, Escherichia coli 12745.
codons relationship, Escherichia coli 2866.
deo operon, Escherichia coli temperature-sensitive mutant 12764.
DNA, recombinants, phage λ, prophages, genetic control, Escherichia coli 2892.
dnaG gene, Escherichia coli 11051.
endoglycosidase H, Escherichia coli, Streptomyces plicatus 8691.
Escherichia coli, β-interferon genes, isolation, fibroblasts, man, characterization 8678.
Escherichia coli, antigenic determinants, hemagglutinin, influenza A virus 6720.
Escherichia coli CysB gene 248.
Escherichia coli, heat shock activation, books 13537
Escherichia coli, lactose operon, induction cyclic AMP 6708.
Escherichia coli, outer membranes proteins, ompA gene 12805.
Escherichia coli, plasmid pBR322, DNA gyrase, nalidixic acid, novobiocin, effects on 2942.

Gene expression, (continued)
Escherichia coli, plasmids, glg gene, asd gene, gene mapping 6713.
Escherichia coli trpR gene, role tryptophan repressors 11290.
flagella proteins genes, peptide mapping, Caulobacter crescentus 12751.
hepatitis B surface antigen, Escherichia coli plasmids, vaccines, antibody response, rabbits 9867.
hepatitis B surface antigen, Escherichia coli, vaccines production, antibody response, mice 9826.
his genes, effects on, nitrogen fixation, Klebsiella pneumoniae 8704.
influenza virus, hemagglutinins, cloning, Escherichia coli 9827.
insertion sequence 5, Escherichia coli 9841.
α1-interferon genes synthesis, Escherichia coli, Methylophilus methylotrophus 11265.
Moloney sarcoma virus mos gene, fusion polyoma virus antigen t, Escherichia coli 9824.
nif gene, Rhizobium leguminosarum plasmids, association, transformation 11334.
penicillinase, ornithine carbamoyltransferase genes, Saccharomyces cerevisiae, Escherichia coli 5865.
phage λ, λ gene, suppression association plasmids 5030
phage λ infected cells, genes dosage effects on 11294.
phage T4, plasmid pMB9, Escherichia coli 4120.
phoE gene, Escherichia coli 7658.
phosphate effects on, lac Z gene× psi promoter, Escherichia coli 11274.
plasmids, association, novobiocin antibiotic resistance markers, Haemophilus influenzae 12770.
pyr gene, RNA polymerase regulation, mutants, Salmonella typhimurium 5816.
regulation, RNA polymerase, Escherichia coli 11131.
regulation, translation mRNA, association, phage T7 mutants 5011.
relA gene, threonine operon regulation, Escherichia coli 12760.
replication, Podospora anserina, Escherichia coli pBR322 plasmid transfer 12834.
rev gene, phage λ mutants, lysogeny, Escherichia coli 5001.
ribosomal proteins, elongation factors, Escherichia coli 6576.
transposon Tn10, tetracycline antibiotic resistance, gene mapping 4139.
transposon Tn1721, antibiotic resistance, tetracycline 280.
tufA gene, tufB gene, elongation factor Tu, regulation, Escherichia coli 8705.
URA1 gene, cloning, role promoters, Escherichia coli, Saccharomyces cerevisiae 6710.

Gene fusion,
cya gene, lactose operon, gene products, Escherichia coli adenylate cyclase biosynthesis regulation 12671.

Gene localization,
association, chromosomes replication termination, Escherichia coli periplasmic space proteins 12793.

Gene manipulation,
Klebsiella pneumoniae nif gene, nitrogen fixation, plants 2475.

Gene mapping,
Agrobacterium tumefaciens, deletion mutant, Ti plasmid 12807.
amiE gene, use R factors, Pseudomonas aeruginosa 6738.
ana gene, Escherichia coli, mutants, pyruvic acid fermentation 1593.
arcA gene, Pseudomonas aeruginosa 6696.
arginine+ornithine binding protein, Escherichia coli 12809.
Bacillus subtilis, genes, rRNA 2855.
Bacillus subtilis, mutants, glutamine, nutrient requirements, glutamine synthetase, genetic analysis 2856.
Bacillus subtilis, mutants, spore germination 2852.
Bacillus subtilis oxolinic acid resistant mutant, characterization 12808.
Bacillus subtilis sporulation genes 1618.
Bacillus subtilis, transformation, phage Φ3T, integration, thyP3 gene, thymidylate synthase 1643.
Bacillus subtilis, trepE gene, chromosomes defects 2849.
Bacillus thuringiensis, antibiotic resistance, transduction, phage Φ63 1657.
Caulobacter crescentus 6704.
characterization, plasmid Ti deletion mutant, Agrobacterium tumefaciens 5037.
chemotaxis proteins genes, Escherichia coli 8687.
chromosome aberrations, Pseudomonas aeruginosa, role, drug resistance, nalidixic acid, β-lactam antibiotics 10057.
comparison, restriction endonuclease mapping, R factor R388, plasmid Sa, R factor R7K, evolution 9904.
deletion mutant, plasmid pTiB653, Agrobacterium tumefaciens 12829.
DNA repair genes, Escherichia coli 6689.
dnaA gene, dnaN gene, transcription, Escherichia coli 4974.
envZ gene, ompR gene, Escherichia coli 6709.
Escherichia coli, araE gene, araF gene, araG gene, arabinose, transport 2868.
Escherichia coli, enterotoxins, toxoids, plasmids, recombinants, vaccines 2939.
Escherichia coli, genomes, loci, localization, amino acid sequence 7662.
Escherichia coli, glg gene, asd gene, gene expression, plasmids, cloning 6713
Escherichia coli, gyrB gene, DNA-unwinding protein, role, drug resistance, nalidixic acid 3108.
Escherichia coli, isocitrate dehydrogenase (NADP+) cistrons 11259.
Escherichia coli, lamB gene, receptors, attachment, phage λ 2888.
Escherichia coli, mutants, ColE1 plasmids, penicillin-binding protein, restriction-modification, screening 2911.
Escherichia coli mutants, negamycin antibiotic resistance 11430.
Escherichia coli, mutants, rpmE gene, ribosomal protein L31 1600.
Escherichia coli, plasmid Ent, enterotoxins, regulation 9899.
Escherichia coli, R factor RP4, replication genes 9865.
Escherichia coli, R factor R1162, cloning 6742.
Escherichia coli, rho gene, cloning 12772.
Escherichia coli, temperature-sensitive mutant, β-galactosidase, membranes, association 267.
F factors, genetic analysis, incompatibility 11305.
fructose-bisphosphatase, deficient mutant, Bacillus subtilis 6717.
L-fucose operon, Escherichia coli 12754.
gdhA gene, Salmonella typhimurium 8701.
gene rplM, Escherichia coli 6686.
genomes, Mycobacterium phlei 8690.
glutamate synthase (NADPH) genes, Salmonella typhimurium 5818.
gor gene, Escherichia coli, defective mutant, glutathione reductase (NAD(P)H) 11286.
groE gene, Escherichia coli 5813.
ilv gene regulation sites, Escherichia coli transduction, phage λ 5850.
initiation factor 2 genes, Escherichia coli 12749.
lacI gene, mutation, correlation, nucleotide sequence DNA, Escherichia coli 11267.
loci, adenosinetriphosphatase δ-subunit genes, nucleotide sequence, DNA,

Gene mapping, (continued)
Escherichia coli 11054
methionine operons, cloning, Escherichia coli 12783.
naphthalene metabolism genes, plasmid nah 7 11307.
nirB gene, Escherichia coli, defective mutant, nitrite reductase (NAD(P)H) 2875.
pan gene, Escherichia coli 1611.
phage β, phage α, DNA characterization, integration, Corynebacterium 1642.
phage SPβc2, insertion, Bacillus subtilis, citF gene 12756.
plasmid NTP113, Escherichia coli 6746.
plasmid N3, restriction-modification 2906
plasmid pCS194, recombinants, Bacillus subtilis, Escherichia coli, maintenance, transformation, restriction-modification 2924.
plasmid pTT1, Thermus thermophilus, characterization 2915.
pncB gene, Salmonella typhimurium 261
pri gene, RP4 plasmid, DNA primase, role, replication 2948.
Pseudomonas aeruginosa deficient mutant, tox-1 gene, tox-2 gene 9843.
Pseudomonas aeruginosa mutants, glutamine auxotrophs, glutamine synthetase activity 12794.
pyr operon, pyrI gene, pyrB gene, Escherichia coli, Salmonella typhimurium 11262.
pyruvate dehydrogenase, Escherichia coli, aceE gene, aceF gene, lpd gene, linkage 5823.
pyruvate oxidase deficient mutant, transposon Tn10 use, Escherichia coli 12791.
rep gene, rho gene, genes, Escherichia coli 12776.
replication, genomes, Mycobacterium phlei 8686.
replication termini, Escherichia coli 5836
restriction-modification, Acholeplasma laidlawii infection, phage L2 12768.
Rhizobium meliloti, genes, nitrogen fixation, nodulation 1625.
Rhizobium trifolii U.V. radiation sensitivity mutants 1595
rRNA operons, Escherichia coli 6699.
tRNA Thr, identification, Escherichia coli 12763.
rrnB operon, nucleotide sequence, Escherichia coli, plasmids, recombinants 2850.
Salmonella typhimurium, ilv gene, regulation, cloning 1623.
Salmonella typhimurium radiation resistance mutants 12792.
secA gene, Escherichia coli 6697.
Spiroplasma citri plasmid pIJ2000 4135
spoIIA gene, Bacillus subtilis, mutants, suppressor factor 2853.
Staphylococcus aureus, plasmid pC194, nucleotide sequence, chloramphenicol antibiotic resistance 6745.
Staphylococcus aureus, plasmid pE194, nucleotide sequence, replication, antibiotic resistance 6744.
Streptomyces coelicolor, dag gene, agarase biosynthesis, inactivation, plasmid SCPI, integration 2851
Streptomyces rimosus, mutants, oxytetracycline biosynthesis 2962.
Thermus flavus, plasmids, characterization, cloning 1688.
thiD locus, Escherichia coli 12757.
transposition mutants, rRNA genes, Escherichia coli 6700.
transposon Tn10, gene expression, tetracycline antibiotic resistance 4139.
transposon Tn3411, Escherichia coli 5871.
transposon Tn7, transposon Tn501, insertion, plasmid R91-5, Pseudomonas aeruginosa 6765.
trg gene, Escherichia coli 6690
tuf gene, duplication, gram-negative bacteria, gram-positive bacteria 2871.
unc operon, Escherichia coli 11257

Gene products,
analysis, phoB gene, phoRgene, Escherichia coli 7650.
argF gene, characterization, phage P1, transduction, Escherichia coli, prophages 7679.
cya gene, lactose operon, gene fusion, Escherichia coli adenylate cyclase biosynthesis regulation 12671.
dam gene, DNA methyltransferase, purification, kinetics, physicochemical properties, Escherichia coli 7613.
DNA repair genes, characterization, Escherichia coli 12750.
dnaA gene, Escherichia coli, temperature-sensitive mutant, suppressors, isolation, plasmids 12799.
dnaB gene, mutants forms, purification, characterization, Escherichia coli 4964.
envZ gene, ompR gene, regulation, outer membranes, Escherichia coli 6709
Escherichia coli, dnaE gene 12775.
Escherichia coli uvrC gene, identification 6604.
gene groM, Escherichia coli, effects on phage T7 replication 4123
gene hin, heat shock proteins, biosynthesis, gene regulation, Escherichia coli 9838.
N gene, phage λ, proteins, effects on operons transcription, association, binding, nusA gene proteins, Escherichia coli 11302.
genetic engineering, araC gene, Escherichia coli 11095.
groE gene, biosynthesis, phage λ infection stimulation, Escherichia coli 5846.
identification, purification, mal T gene, clones, operons, promoters, nucleotide sequence, Escherichia coli 11062.
lon gene, proteinase, DNA binding effects on activity, Escherichia coli 9788.
lexA gene, purification, binding lexA operon, Escherichia coli 4843.
lexA gene, repressors, purification, binding DNA 4842.
membranes, proteins, Escherichia coli, immunity, colicins, gene mapping 3071.
mer gene, proteins, Escherichia coli, characterization 6613.
ompF gene proteins, signal peptides, amino acid sequence, Escherichia coli 9710.
overlaid genes sog gene, plasmid ColI 4106.
phage λ Xis gene, effects on recombination 5010.
phage T5, effects on Escherichia coli RNA polymerase 4988.
plasmid λdapB2, clones fragments 11323.
proteins, relationship dnaK gene, Escherichia coli 5825.
role, Haemophilus influenzae DNA repair, psoralen+U.V. radiation 3893.
role, septation, cell cycle, Bacillus subtilis, mutants 6533.
src gene, Rous sarcoma virus, Escherichia coli, plasmid pBR325, expression 9862.
superoxide dismutase, comparison, symbionts, Leiognathus splendens, Photobacterium leiognathi, coevolution 6323.
tonA gene, membrane protein, characterization, Escherichia coli 6601.
tonB gene, role, reviews, Escherichia coli 8697.
transposon Tn10, purification, characterization, tetracycline antibiotic resistance, cloning 6741.
uvr A gene proteins, purification, characterization, Escherichia coli 9714.

Gene regulation,
Bacillus subtilis sporulation, RNA polymerase 266.
bacteria, growth, cell cycle, chronobiology, reviews 10978.
biosynthesis heat shock, proteins, gene hin, Escherichia coli 9838.
biotin operon, cell-free system transcription, Escherichia coli 11069
chCl gene, Escherichia coli, characterization 1587.

Gene regulation, (continued)
Escherichia coli, promoters bacteriocins operons, DNA nucleotide sequence, plasmids 5876.
Escherichia coli, transposon Tn10, relationship DNA thermal stability 5817.
glyoxylic acid shunts, enzymes, Escherichia coli 6719.
lactose operon, mutation effects on, plasmid pBR325 6771.
leucine transport, Escherichia coli 7401.
ompA gene, Escherichia coli 1607.
penicillinase, tryptophan synthetase, Escherichia coli, use phage λ promoters, construction cloning vectors 5028.
plants, bacteria infection effects on 10755.
pyr operon, pyrI gene, pyrB gene, Escherichia coli, Salmonella typhimurium 11262.
role tRNA methylthiolation, Escherichia coli 5713.
trp gene, deletion effects on, Pseudomonas aeruginosa 11266.
umuC gene, Escherichia coli 11278.

Genes,
abpR gene, abpS gene, gene mapping, arginine+ornithine binding protein, Escherichia coli 12809.
aceE gene, aceF gene, lpd gene, gene mapping, linkage, pyruvate dehydrogenase, Escherichia coli 5823.
ada gene, role DNA repair, gene mapping, Escherichia coli 6689.
adenosinetriphosphatase subunits, DNA nucleotide sequence, Escherichia coli 6722.
alanyl-tRNA synthetase, DNA nucleotide sequence, comparison amino acid sequence, Escherichia coli 4926
amiE gene, gene mapping, use R factors, Pseudomonas aeruginosa 6738.
aminoglycoside 3'-phosphotransferase, plasmid pIP850, association, butirosin production, Bacillus circulans 8727.
ampA gene, proteins function, cell membranes, Escherichia coli, conjugation deficient mutant 12556.
ampC gene, DNA nucleotide sequence, gene amplification, Escherichia coli 2878.
α-amylase, Bacillus subtilis, cloning, phage ρ11, role 5824.
α-amylase, isolation, promoters, N-terminus, nucleotide sequence, Bacillus amyloliquefaciens 4799.
ana gene, pyruvic acid fermentation, Escherichia coli, gene mapping 1593.
antibiotic resistance, tetracycline, determinants, Streptococcus 5943.
I antigen gene, Shigella sonnei, transfer, Salmonella typhi, vaccines production 5835.
Ap gene, transposition, plasmid EP396, Escherichia coli, phage Φ80 12819.
araB gene, DNA nucleotide sequence, Salmonella typhimurium 4797.
araC gene, DNA nucleotide sequence, Salmonella typhimurium 4797.
araC gene, proteins, genetic engineering, gene products 11095.
araE gene, Escherichia coli, arabinose, transport, gene mapping 2868.
araF gene, Escherichia coli, arabinose, transport, gene mapping 2868.
araG gene, Escherichia coli, arabinose, transport, gene mapping 2868.
arcA gene, gene mapping, Pseudomonas aeruginosa 6696.
argF gene, phage P1, transduction, Escherichia coli, prophages, gene products, characterization 7679.
aroG gene, DNA nucleotide sequence, Escherichia coli 7668.
asd gene, cloning, DNA nucleotide sequence, Escherichia coli 6695.
asd gene, promoters identification, fusion, lac operon, Escherichia coli 8664.
assocation RNA degradation, Escherichia coli plasmid R483, F factors, restriction endonuclease mapping 12774.
Bacillus circulans, aminoglycoside 3'-phosphotransferase, plasmid pIP850, mapping 11329.
Bacillus subtilis, mutants, sporulation, transcription, RNA biosynthesis, regulation 2874.
Bacillus subtilis, mutants, transcription, sporulation, nutrient availability, effects on 1613.
Bacillus subtilis, promoters, transcription, regulation, nucleotide sequence 1584.
Bacillus subtilis, rRNA, gene mapping 2855.
Bacillus subtilis sporulation, mutants, gene mapping 1618
Bcg gene, role immune response, Mycobacterium bovis infection, mice 6903.
bisC gene, association, biotin sulfoxide reductase activity, Escherichia coli 8600.
btuB gene, Escherichia coli nonsense mutant, receptors function 12773.
cI gene, phage P22 mutation effects on lysogeny, Salmonella 4115.
cadB gene, cadA gene, plasmids, cadmium, manganese transport, vesicles, Staphylococcus aureus 6500.
cheB gene, cheR gene, chemotaxis proteins methylation, Escherichia coli 2860.
cheB gene, cheR gene, chemotaxis proteins methylation, Escherichia coli 2860.
chemotaxis proteins, gene mapping, Escherichia coli 8687.
chemotaxis, Salmonella typhimurium cloning, phage λ, plasmid pBR322, overproduction 247
chlA gene, chlB gene, Escherichia coli mutants, formate dehydrogenase precursors 4929.
citF gene, Bacillus subtilis, phage SPβc2, insertion, gene mapping 12756.
ColE1 gene, Escherichia coli mutants, colicins biosynthesis, characterization 5838.
colicin E1, DNA nucleotide sequence, Escherichia coli 9674.
colicin E1, DNA nucleotide sequence, location promoters, operators regions, Escherichia coli 5814.
copA gene, copB gene, Escherichia coli, regulation, R factor R1 replication 1689.
copA gene, RNA plasmid R1, factors affecting expression, Escherichia coli 12785.
copB gene, cloning, characterization, R factor R1, Escherichia coli 12811.
copB gene expression, Escherichia coli, constituitive, growth rate dependent, R factor R1 12781.
Corynebacterium diphtheriae toxins, association, DNA fragments, identification, phage-β 1640.
cpxA gene, cpxB gene, Escherichia coli, mutation effects on membranes protein composition 12788.
cro gene, genetic control, phage P22 lysogeny, Salmonella 4117.
crp gene, cloning, nucleotide sequence, Escherichia coli 4104.
crp gene, cloning, nucleotide sequence, Escherichia coli 4109.
cya gene, lactose operon, gene fusion, gene products, Escherichia coli adenylate cyclase biosynthesis regulation 12671.
CysB gene, Escherichia coli, gene expression 248.
cysB gene, Salmonella typhimurium mutants, isolation, characterization 12790.
cysM gene, Salmonella typhimurium, mutants, sulfite reductase induction, anaerobic conditions 12651.
dad gene, aln A gene, Escherichia coli, alanine dehydrogenase, characterization 2879.
dag gene, agarase biosynthesis, Streptomyces coelicolor, inactivation, plasmid SCPI, integration, gene mapping 2851.
deletion, plasmid pFM205 mutants, antigen K88 biosynthesis 8743.
determinants transduction, Streptococcus pyogenes streptolysin S 11279.

Genes, (continued)
dld gene, Escherichia coli, role, D-lactate dehydrogenase biosynthesis, in vitro 8598.
DNA repair, gene products characterization, Escherichia coli 12750.
DNA repair, role, Pseudomonas aeruginosa freeze-thawing resistance 12810.
DNA-binding protein, nucleotide sequence, Escherichia coli 4976.
dnaA gene, gene products, Escherichia coli, temperature-sensitive mutant, suppressors, isolation, plasmids 12799.
dnaA gene, rpmH gene, promoters, nucleotide sequence, Escherichia coli 12515.
dnaB gene, Escherichia coli, duplications, frequency, chromosomes 4966.
dnaB gene, Escherichia coli, proteins activity stabilization, role, ADP, ATP 4845.
dnaB gene, gene products, purification, characterization, Escherichia coli 4964.
dnaE gene, dnaN gene, temperature-sensitive mutant, Escherichia coli 11280.
dnaE gene, gene products, Escherichia coli, cloning, plasmid pBR322 12775.
dnaG gene, cDNA nucleotide sequence, gene expression, Escherichia coli 11051.
dnaG gene, regulation, use plasmids, cDNA, Escherichia coli 12753
dnaK gene, proteins gene products, Escherichia coli 5825.
dnaN gene, correlation DNA polymerase III β-subunit, Escherichia coli 8674.
dnaZ gene, interaction initiation proteins, DNA biosynthesis, Escherichia coli 7503.
dosage effects on, gene expression, phage λ infected cells 11294.
duplication, nucleotide sequence, Klebsiella aerogenes mutants, association, ribitol dehydrogenase 12771.
enterotoxins, cloning, Vibrio cholerae 8876.
enterotoxins, DNA cloning, hybridization analysis, Vibrio cholerae 11258.
enterotoxins, subunits, nucleotide sequence, Escherichia coli 12784.
envZ gene, ompR gene, gene mapping, gene products, Escherichia coli 6709.
Escherichia coli, α-hemolysin, expression, plasmids 9888.
Escherichia coli, alkaline phosphatase, nucleotide sequence 2814.
Escherichia coli, chloramphenicol antibiotic resistance, transcription, phage P1CM effects on 10004
Escherichia coli, gene lamB proteins secretion mechanisms, association, translation 9693
Escherichia coli, gene malK, gene malF, proteins, role, transport, maltose, maltodextrin 8635
Escherichia coli, gene regulation, characterization 1587.
Escherichia coli, genomes, transfer R factor R68.45 9864
Escherichia coli, genomes, transfer R factor R68.45 9864.
Escherichia coli, guaB gene, fusion, lacZ gene, methodology 4963.
Escherichia coli, lamB gene proteins, association, transport, maltodextrin, maltose 8637
Escherichia coli, lamB gene proteins localization, genetic analysis 8531.
Escherichia coli, pgsA gene, clones, phosphatidylglycerophosphatase levels 1602.
Escherichia coli, pheR gene, cloning 12801.
Escherichia coli, phosphoenolpyruvate, cloning, amino acid sequence, nucleotide sequence 7652.
Escherichia coli, replication, R factor RP4, gene mapping 9865
Escherichia coli, restriction endonuclease mapping, cloning 12759.
Escherichia coli, tuf A gene lac Z gene fusion, characterization 4994.
eup gene, role coupling protons proline, lactose transport, Escherichia coli mutants 2882.
exuR gene, regulation, transcription, Escherichia coli 11269.
fadR gene, Escherichia coli, mutants, acetic acid transport, utilization, glyoxylate,
fhuA gene, proteins receptors, phage T5, antigen O effects on, Escherichia coli 2901.
flagella proteins, gene expression, peptide mapping, Caulobacter crescentus 12751.
flaR gene, Salmonella, flagella assembly 2872.
frdA gene, DNA nucleotide sequence, Escherichia coli 9839.
frdB gene, nucleotide sequence, Escherichia coli 11043.
galE gene, phenotypes, suppression, plasmid S-a, plasmid Rts1, Escherichia coli 2919.
galK gene, Escherichia coli, gene expression, ribosomes biosynthesis 1446.
gdhA gene, gene mapping, Salmonella typhimurium 8701.
gene che, role, Escherichia coli chemotactic response, association flagella locomotor activity 8431.
gene groM, Escherichia coli, gene products effects on phage T7 replication 4123.
gene lrs, role, streptomycin resistance, Escherichia coli mutants 8807.
gene mal, association, maltose transacetyltransferase, Escherichia coli 8601.
λ gene, phage λ, gene expression suppression association plasmids 5030.
S gene, phage λ, proteins effects on, Escherichia coli inner membranes 12303.
gene rplM, gene mapping, Escherichia coli 6686.
gene vH2$^-$, flagella, Salmonella, DNA, homology, Escherichia coli, radioactive labelling 2692.
gene 28, gene products, folic acid, metabolism, phage T4 role, Escherichia coli 6733.
gene 28 proteins, +RNA polymerase, binding, promoters, nucleotide sequence, phage SP01 4130.
gene 44, proteins, phage T4 amber mutant, DNA biosynthesis association, Escherichia coli 9849
gentamicin, antibiotic resistance, cloning, Pseudomonas aeruginosa, plasmid pMG35, Escherichia coli 9825.
gleA gene, Escherichia coli, plasmids, genetic analysis 1630.
glg gene, asd gene, Escherichia coli, cloning, plasmids, gene mapping, gene expression 6713.
gln gene, Klebsiella pneumoniae, regulation nitrogen metabolism, glutamine auxotrophy 9832.
globin, cDNA, chickens, cloning, plasmid pMB9 4144.
glpA gene, glpT gene, genetic engineering, Escherichia coli 8668.
glutamate synthase (NADPH), gene mapping, Salmonella typhimurium 5818.
gor gene, gene mapping, Escherichia coli, defective mutant, glutathione reductase (NAD(P)H) 11286.
gpt gene, Escherichia coli, phenotypes expression, cell lines 7643.
gpt gene, Escherichia coli, replication, mammalian cells, SV40+pBR322 plasmid recombinants 8676
gpt gene, SV40, polyoma virus, transfection, Escherichia coli, promoters, transcription 12767.
groE gene, gene mapping, Escherichia coli 5813.
groE gene, gene products, biosynthesis, phage λ infection stimulation, Escherichia coli 5846.
gyrB gene, Escherichia coli, DNA-unwinding protein, role, drug resistance, nalidixic acid, gene mapping 3108.
higJ gene, argJ gene, histidine, arginine transport proteins, P protein interaction, Salmonella typhimurium 2861

Genes, (continued)
his gene, reversion, Salmonella typhimurium, caffeine effects on 11256.
his genes, gene expression, effects on, nitrogen fixation, Klebsiella pneumoniae 8704.
his U gene, role, RNA biosynthesis, Salmonella typhimurium 8657.
hisA gene, Bacillus subtilis, DNA deletion, restriction endonuclease mapping, role histidine transduction, phage ρ11 12815.
hisU gene, mutation, Salmonella typhimurium, guanosine tetraphosphate, levels 8682.
β-hydroxydecanoyl thioester dehydrase, cloning, methodology gene amplification, Escherichia coli 4969.
iaaM gene, Pseudomonas savastanoi, cloning, characterization, Virulence determinants 5837.
iaaP gene, restriction endonuclease mapping, relationship crown gall, Ti plasmid, Agrobacterium tumefaciens 11326.
ilv gene, λ phage transduction, promoters regions, DNA nucleotide sequence, Salmonella typhimurium, comparison, Escherichia coli 1439.
ilv gene, Escherichia coli, insertion sites, phage λ 1591.
ilv gene, regulation sites, Escherichia coli transduction, gene mapping, phage λ 5850.
ilv gene, Salmonella typhimurium, regulation, gene mapping, cloning 1623.
ilvG gene, nucleotide sequence, frameshift mutant, Escherichia coli 5834.
influenza virus hemagglutinins antigenic determinants, expression, Escherichia coli 1624.
initiation factor 2, cloning, gene mapping, Escherichia coli 12749.
initiation factor 3, DNA nucleotide sequence, Escherichia coli 5707.
α-interferon, cloning, phage M13, gene expression, Escherichia coli 12745.
β-interferon, isolation, fibroblasts, man, characterization, Escherichia coli gene expression 8678.
α1-interferon, synthesis, gene expression, Escherichia coli, Methylophilus methylotrophus 11265.
iss gene, ColV, I-K94 plasmid, role complement resistanceEscherichia coli 2950.
kil gene, RK2 plasmids, lethality, Escherichia coli 12839.
lac plasmid, transposons, transposon Tn951, hybridization 1674.
lac y gene, Escherichia coli, products, purification 4831.
lac Z gene× psi promoter, phosphate effects on gene expression, Escherichia coli 11274.
lacA gene, defective mutant, galactoside acetyltransferase, purification, characterization, Escherichia coli 6711.
lacI gene, cDNA, genetic engineering, detection Escherichia coli 8665.
lacI gene, ICR-191 induction frameshift mutation, Escherichia coli 11270.
lacI gene, mutation, gene mapping correlation nucleotide sequence DNA, Escherichia coli 11267.
lacI gene, point mutation, 7α,8 β-dihydroxy-9β,10β-epoxy-7,8,9,10-tetrahydrobenzo(a)pyrene, 3,4-epoxycyclopentapyrene, DNA, Escherichia coli 11052.
lacZ gene, Escherichia coli, gene expression, ribosomes biosynthesis 1446.
lacZ gene, Escherichia coli mutants, β-D-galactosidase biosynthesis 6707.
lamB gene, Escherichia coli, receptors, attachment, phage λ, gene mapping 2888.
lamB gene, Escherichia coli, receptors, role, phage λ, attachment 2887.
lamB gene, genetic analysis, Escherichia coli 8696.
lamB gene mRNA, secondary structure role regulation translation initiation, Escherichia coli 7511.
lamB gene, proteins, transport, cell membranes 8541.
leu 2 gene, Saccharomyces cerevisiae, complementation, leu B gene, Escherichia coli 243.
leu2 gene, Saccharomyces cerevisiae, complementation, Escherichia coli leuB gene 1597
leuB gene, Escherichia coli, complementation, Saccharomyces cerevisiae leu2 gene 1597.
lex A gene, nucleotide sequence, transcription, Escherichia coli 4102.
lon (capR) gene, products, proteinase, isolation, characterization, Escherichia coli 1525.
lon gene, Escherichia coli, mutants, radiosensitivity, U.V. radiation 1619.
lon gene, mutants, proteinase activity, Escherichia coli 5755.
lpp gene, use, genetic engineering, Escherichia coli 11275.
mal T gene, clones, operons, promoters, nucleotide sequence, gene products, identification, purification, Escherichia coli 11062.
malT gene expression regulation, association, transcription, translation, Escherichia coli 12786.
malT gene, regulation, Escherichia coli, role, catabolite activator protein 8679.
mer gene, gene products, proteins, Escherichia coli, characterization 6613.
met gene, Escherichia coli, phage λ, transduction 1639.
mos gene, Moloney sarcoma virus, fusion polyoma virus antigen t genes, gene expression, Escherichia coli 9824.
mot gene, phage T4 infected cells, role, RNA biosynthesis 9847.
mot gene, phage T4 infected cells, role, RNA biosynthesis 9848.
mutation, effects on, catalysis, enzymes assembly, regulation response, asparate carbomoyltransferase, Escherichia coli 12812.
naphthalene metabolism, gene mapping, restriction endonuclease mapping, plasmid nah 7 11307.
nif gene, Klebsiella pneumoniae, cloning, use, Saccharomyces cerevisiae 1605.
nif gene, Klebsiella pneumoniae, gene manipulation, nitrogen fixation, plants 2475.
nif gene, Klebsiella pneumoniae, transcription, nitrogen fixation 4794.
nif gene, nitrogen fixation, regulation, Klebsiella pneumoniae 9831.
nif gene, Rhizobium, ammonium regulation nitrogenase 9834.
nif gene, Rhizobium leguminosarum, gene expression, plasmids, association, transformation 11334.
nif gene, Rhizobium meliloti, homology, Klebsiella pneumoniae 5833.
nif gene, Rhizobium meliloti, mutants, genetic analysis 9835.
nif gene, role Rhizobium nitrogen fixation 8688.
nif gene, transfer, Pseudomonas, soil isolates 4980.
nifD gene nucleotide sequence, comparison amino acid sequence nitrogenase subunits, Clostridum pasteurianum 2736.
nifH gene, nucleotide sequence, nitrogenase characterization, Rhizobium meliloti 253.
nirB gene, Escherichia coli, nitrite reductase (NAD(P)H), gene mapping 2875.
nitrogenase, operons organization, analysis mRNA cDNA hybridization, Rhizobium leguminosarum, Azotobacter vinelandii 7664.
nod gene, nif gene, gene mapping 1625.
nur gene, polA1 gene, role, Escherichia coli radiosensitivity 1606.
nusA1 gene, nusB5 gene, Escherichia coli, mutants, transcription termination 5009.
octopine synthase, location Agrobacterium tumefaciens Ti plasmid, gene

Genes, (continued)
expression, crown gall. Helianthus annuus 7689
OmpA gene, cloning, membranes, Escherichia coli, Shigella dysenteriae, Enterobacter aerogenes, Serratia marcescens 6608.
ompA gene, DNA nucleotide sequence, Shigella dysenteriae, comparison Escherichia coli 5821
ompA gene, gene regulation, Escherichia coli 1607
ompA gene, outer membranes proteins, gene expression, Escherichia coli 12805
ompA gene promoters, cyclic AMP-binding protein binding sites, nucleotide sequence, Escherichia coli 1634
ompC gene, ompF gene, transport, outer membranes, Escherichia coli 4739
ompF gene, btuB gene, proteins colicin A uptake, Escherichia coli 4722
ornithine carbamoyltransferase, cloning, Saccharomyces cerevisiae, gene expression, Escherichia coli 5865
overlaid genes, sog gene gene products, plasmid ColI 4106
pan gene, gene mapping, Escherichia coli 1611
pbpA gene, mutants, Pseudomonas aeruginosa, penicillin G antibiotic resistance 6823.
penicillinase, DNA nucleotide sequence, Escherichia coli, comparison Pseudomonas aeruginosa, evolution 2869
penicillinase, DNA nucleotide sequence, Escherichia coli, comparison Pseudomonas aeruginosa 5742
penicillinase, homology, Enterobacteriaceae, Neisseria gonorrhoeae 6705.
penicillinase, initiation sites, ribosomes binding sites, DNA nucleotide sequence, Staphylococcus aureus 4884
penicillinase, nucleotide sequence, Bacillus licheniformis 4798.
penicillinase, transposon Tn2101, purification, characterization 6743
penP gene, penI gene, Bacillus licheniformis, plasmid pMB9, cloning, Escherichia coli, Bacillus subtilis 1604
penP gene, promoters, regions, nucleotide sequence, RNA polymerase interaction, Bacillus licheniformis 7666
peptidase Escherichia coli, isolation, overproduction 1533
pfkB gene, Escherichia coli, transposon Tn10 insertion 262.
phage λ receptors, gene lamB proteins, Escherichia coli cell membranes 8535.
phage λ Xis gene, gene products, effects on recombination, Escherichia coli 5010.
pheA gene, prephenate dehydratase, defective, mutants 4038
phoA gene, Escherichia coli, promoters, nucleotide sequence, signals proteins, amino acid sequence 4093
phoA gene, phosphatase, amino acid sequence, Escherichia coli 6642
phoB gene, phoRgene, cloning, gene products analysis, Escherichia coli 7650
phoE gene, cloning, gene expression, Escherichia coli 7658
pmrA gene, Salmonella mutants, antibiotic resistance, polymyxin, ionic strength effects on 399
pncB gene, gene mapping, Salmonella typhimurium 261
polA gene, DNA nucleotide sequence, Escherichia coli 8662
polA gene, recB gene, Escherichia coli, mutants, anaerobic conditions effects on colonies formation 12336
polA1 gene, tif-1 gene, Escherichia coli mutants, respiration, U.V. radiation effects on 263
pri gene, RP4 plasmid, gene mapping, DNA primase, role, replication 2948
prorennin, cattle, cloning, Escherichia coli 4095
proteins, effects on deoxyribonuclease activity, Escherichia coli 4965
proteins, membrane structure, Escherichia coli 6599.
Pseudomonas aeruginosa, chloramphenicol antibiotic resistance, translocations, R factors 9866
Pseudomonas aeruginosa, chu gene localization 2867
Pseudomonas aeruginosa flagella, characterization 254
purE gene, transcription, regulation, Escherichia coli 5815
pyr gene, RNA polymerase regulation gene expression, mutants, Salmonella typhimurium 5816
pyrI gene, cloning, nucleotide sequence, Escherichia coli 12507.
pyrI gene, pyrB gene, gene mapping, gene regulation, pyr operon, Escherichia coli, Salmonella typhimurium 11262.
recA gene, Escherichia coli, gene amplification, transposon Tn1771 9869
recA gene, Escherichia coli, insertion sequence 1, insertion sequence 2, deletion, genetic analysis 1434.
recA gene, Escherichia coli, pBEU14 plasmid, proteins, overproduction 1612
recA gene protein, Escherichia coli, purification, methodology 7378
recA gene, Proteus mirabilis, cloning, use plasmid pBR322 4975
recAgene, Escherichia coli, mutants, transcription 255.
recB gene, cloning, endodeoxyribonuclease V, purification, characterization, Escherichia coli 5840
recC gene, cloning, endodeoxyribonuclease V, purification, characterization, Escherichia coli 5840
recE gene, transduction, phage λ, Escherichia coli, expression, phage P2 lysogeny 1646.
recombination, Nocardia asteroides 5832.
regulation, transcription, phage SPO1, Escherichia coli, protein biosynthesis 5857
rel gene, 4-thiouridine, role photoprotection U.V. radiation, Escherichia coli 7641.
relA gene, gene expression, threonine operon regulation, Escherichia coli 12760.
rep gene, Escherichia coli, DNA repair, U.V. radiation sensitivity 9842.
rep gene, rho gene, gene mapping, Escherichia coli 12776.
repC gene, DNA nucleotide sequence, plasmid pT181, Staphylococcus aureus 11046.
replication plasmid R1, genetic analysis 11321.
replication, plasmid R100, phage λ 8711.
restriction endonuclease inhibitor, phage T4, lysogenization, cloning, mapping, Escherichia coli 7673
restriction endonuclease mapping, plasmid pBL101, formate dehydrogenase, DNA, Escherichia coli 6755.
rev gene, phage λ mutants, gene expression, lysogeny, Escherichia coli 5001
rfaH gene, role lipopolysaccharides biosynthesis, Salmonella typhimurium temperature-sensitive mutant 11281.
Rhizobium meliloti, genetic control, nodulation, plasmids 5510.
rho gene, cloning, gene mapping, Escherichia coli 12772.
ribosomal protein S1, DNA nucleotide sequence, Escherichia coli 5822.
ribosomal proteins, elongation factors, gene expression, elongation factor Tu, elongation factor G levels effects on, Escherichia coli 6576.
ribosomal proteins, Escherichia coli, amber mutant, transcription regulation 4982
RNA polymerase β subunit, amber mutant suppressors efficiency, assays, Escherichia coli 6687.
rRNA, Escherichia coli, Physarum polycephalum, cloning, characterization 2715.
rRNA, gene mapping, transposition mutants, Escherichia coli 6700.

Genes, (continued)
rRNA gene, Physarum polycephalum, introns, homology, Escherichia coli 160.
rRNA, hybridization analysis, Mycoplasma capricolum 7665.
rRNA 15S, Aspergillus nidulans, nucleotide sequence 166.
rRNA 5S, mitochondria, man, DNA nucleotide sequence homology, bacteria 5726.
tRNA Ala, localization, DNA nucleotide sequence, Bacillus subtilis 4108.
tRNA Ile, localization, DNA nucleotide sequence, Bacillus subtilis 4108.
tRNA Tyr, promoters, RNA polymerase binding, guanosine 3'-diphosphate 5'-diphosphate regulation 9680.
tRNA Tyr suppressors, construction, cloning, Escherichia coli 4967.
rne gene, restriction endonuclease mapping, hybridization analysis DNA genomes, Escherichia coli 12504.
role plasmids, streptomycin biosynthesis, Streptomyces griseus 12856.
rpmE gene, ribosomal protein L31, Escherichia coli, mutants, gene mapping 1600.
rpoC gene, Escherichia coli, DNA nucleotide sequence, RNA polymerase β'-subunit, amino acid sequence 7663.
rpsA gene, DNA nucleotide sequence, Escherichia coli 9718.
Saccharomyces cerevisiae, Neurospora crassa, cloning, expression, Escherichia coli 11263.
Salmonella typhimurium, drug resistance, mutants deletion R factors 9876.
secA gene, characterization, gene mapping, Escherichia coli 6697.
signal peptides peptidase, genetic engineering, Escherichia coli 8660.
somatotropin, cattle, cDNA, gene expression, Escherichia coli 8667.
spoIIA gene, Bacillus subtilis, mutants, gene mapping, suppressor factor 2853.
sporulation, Bacillus licheniformis, cloning, pBD64 plasmid 264.
spot gene products, role guanosine 5'-diphosphate 3'-diphosphate biodegradation, Bacillus subtilis 11124.
src gene, Rous sarcoma virus, gene products, Escherichia coli, plasmid pBR325, expression 9862.
ssd gene, mutants, phenotypes, Escherichia coli 7656.
Streptococcus mutans proteins, cloning, Escherichia coli, association, antigenic characteristics 11272.
Streptomyces fradiae, regulation tylosin biosynthesis, plasmids 11340.
δ-subunit adenosinetriphosphatase, nucleotide sequence, DNA, loci, gene mapping, Escherichia coli 11054.
sulA gene, Escherichia coli, mutants, radiosensitivity, U.V. radiation 1619.
sulB gene, Escherichia coli, mutants, radiosensitivity, U.V. radiation 1619.
supX gene, DNA topoisomerase I, Escherichia coli, Salmonella typhimurium 6706.
SV40, transfer, plasmids, mammalian cells, genetic engineering 8675.
tar gene mutants, phage T1, association, hosts chromosomes degradation defects 4124.
tet gene, Streptococcus pneumoniae, mutants, characterization 4096.
tetracycline antibiotic resistance, DNA mutagenesis, methodology, plasmid pKB280 5025
tetrahydrofolate dehydrogenase, folinic acid modulation tetrahydrofolate dehydrogenase binding DNA 6659.
thyA gene, Salmonella typhimurium, genetic analysis, use transposons 9894.
thyP3 gene, thymidylate synthase, phage Φ3T, integration, Bacillus subtilis, transformation, gene mapping 1643.
Tn3 gene, translocations, plasmid pKY2257, deletion mutant, Escherichia coli 2945.
tnaA gene, Escherichia coli, nucleotide sequence 257.
tonA gene, Escherichia coli, gene products membrane protein characterization 6601.
tonB gene, gene products role, reviews, Escherichia coli 8697.
tox-1 gene, tox-2 gene, Pseudomonas aeruginosa deficient mutant, gene mapping 9843
tra gene, role, Escherichia coli pili membrane proteins biosynthesis 5839.
transcription, pili, phase variations, operons fusion, control, transitions, Escherichia coli 5843
transfer, antibiotic resistance determinants, macrolide antibiotics, lincosamide, streptogramin, antibiotic resistance, anaerobic bacteria, gram-positive cocci 11433.
transfer, DNA, plasmids, Pseudomonas 11254.
transfer, Escherichia coli, Bacillus subtilis, penicillinase, biosynthesis, association, α-amylase genes 12645.
transfer, Escherichia coli, Bacillus subtilis, penicillinase biosynthesis, association, α-amylase genes 12655
transfer, sorbitol fermentation, Streptococcus sanguis, Streptococcus mitis 1629.
transfer, Streptococcus, characterization 5888.
transfer, Streptococcus, reviews 5890
transformation, Rhodopseudomonas sphaeroides, use, plasmid pUI81 12854.
transposition, Escherichia coli mutants, DNA polymerase I role 11271.
traT gene, R factor R100, role complement resistanceEscherichia coli 2950.
trepE gene, Bacillus subtilis, gene mapping, chromosomes defects 2849.
trg gene, gene mapping, Escherichia coli 6690.
trp gene, gene regulation, deletion effects on, Pseudomonas aeruginosa 11266.
trpD gene, DNA nucleotide sequence, Escherichia coli 7648.
trpE gene, Salmonella typhimurium, nucleotide sequence, comparison, Escherichia coli 12503
trpR gene, Escherichia coli, gene expression, role tryptophan repressors 11290.
trpS gene, Escherichia coli, plasmids, characterization, nucleotide sequence, cloning 2941.
tuf gene, duplication, gram-negative bacteria, gram-positive bacteria, gene mapping 2871.
tufA gene, protein biosynthesis, Escherichia coli, growth rate 4808.
tufA gene, tufB gene, elongation factor Tu, regulation, gene expression, Escherichia coli 8705.
tyrosine suppressors tRNA, cloning, amber mutant, Escherichia coli 1621.
ubi F gene, role, streptomycin uptake, Escherichia coli respiratory function, mutants 5844.
uidA gene, uidR gene, cloning, restriction endonuclease mapping, Escherichia coli 6691
umuC gene, gene regulation, Escherichia coli 11278.
URA1 gene, gene expression, cloning, role promoters, Escherichia coli, Saccharomyces cerevisiae 6710.
uvrA gene, Escherichia coli, cloning, transposons 1599.
uvrB gene, Escherichia coli, promoters, nucleotide sequence, regulation 2858.
uvrC gene, Escherichia coli, cloning, proteins, isolation, characterization 1622.
uvrC gene, Escherichia coli, gene products identification 6604.
uvrD3 gene effects on DNA repair, strains comparison, Escherichia coli 2864.
Vibrio cholerae enterotoxins, use, cholera vaccines 7654.
Z61 gene, mutants, Pseudomonas aeruginosa, membrane permeability, association, antibiotic resistance 6513.

Genetic analysis,
antibiotic resistance, role plasmids, Salmonella wien, Salmonella alachua 5029.

Genetic analysis, (continued)
Bacillus subtilis, mutants, glutamine, nutrient requirements, glutamine synthetase, gene mapping 2856.
Bacillus subtilis, mutants, revertants, sporogony, delay 1608.
Bacillus subtilis, mutants, sporulation, complementation 1594.
Bacillus subtilis rifampicin resistant mutant, RNA polymerase activity 12787.
bacteria, mutation, evolution 9836.
bacteria, R factors, antibiotic resistance, books, conferences 10828.
bacteria, use transposon Tn10, drug resistance markers 11320.
biochemical analysis, tiamulin resistant mutant, Escherichia coli 12934.
chloramphenicol, R-factors, antibiotic resistance, Escherichia coli, Salmonella naestved, characterization 4131.
chromosomes, evolution, Escherichia coli 1633.
codons, preferences, Saccharomyces cerevisiae, comparison, Escherichia coli 11273
complementation mutants, Clostridium perfringens 12748.
complementation mutants, Clostridium perfringens 12755.
conjugation, role F factors, reviews, bacteria 8729.
crown gall, characterization insertion sequences, Ti plasmid, Agrobacterium tumefaciens 6769.
diurnal variations, heterotrophic microorganisms, bacteria, rivers 2491
Escherichia coli, fatty acids, degradation, regulation, transcription 2836.
Escherichia coli gleA gene, plasmids 1630
Escherichia coli hemolysins 11479.
Escherichia coli ilv operon, Salmonella typhimurium thyA gene, use transposons 9894
Escherichia coli, insertion sequence 1, insertion sequence 2, deletion, recA gene 1434.
Escherichia coli, lamB gene proteins localization 8531.
Escherichia coli, maltose-binding protein secretion mechanisms 8532.
Escherichia coli membrane proteins biosynthesis 12552.
Escherichia coli, outer membranes, membrane proteins, reviews 7533.
Escherichia coli, plasmids, antibiotic resistance, amikacin, role, aminoglycoside phosphotransferase 3047.
Escherichia coli, R plasmid, enhancement chromosomes mobilization, isolation, restriction-modification 2918.
F factors, gene mapping, incompatibility 11305.
IncP-1 plasmid, gram-negative bacteria, Pseudomonas aeruginosa, transfer, frequency, insertion sequences 2927.
Lactobacillus, auxotrophs, mutants, amino acids biosynthesis, nutrient requirements 1477.
lysogeny, bacteria, phage Mu, prophages 8721.
mutants, alleles, phosphates, transport, bacteria 1355.
Mycoplasma arthritidis mitogens stimulation, lymphocytes, mice 4316.
Myxococcus xanthus aggregation defective mutant 251.
Myxococcus xanthus, use transposon Tn5 9898.
nodulation, Rhizobium meliloti, Medicago sativa 8164.
phage γ-tsr-1, Corynebacterium diphtheriae, transduction, excision, DNA hybridization 1661.
physical characteristics, deletion mutant, plasmid R91-S, Pseudomonas aeruginosa 6763.
plasmid R1, replication genes 11321.
plasmid SCP2, variants, Streptomyces coelicolor, Streptomyces parvullus, Streptomyces lividans 6760.
R plasmid, Vibrio cholerae, antibiotic resistance, biochemical analysis 9844.
Pseudomonas aeruginosa eye infection resistance, animal models 997.
pyruvate dehydrogenase multienzyme complexes Pseudomonas aeruginosa deficient mutant 1610.
restriction endonuclease mapping, transposon Tn5, nitrogen fixation mutants, Rhizobium leguminosarum 12851.
Rhizobium meliloti mutants nif gene 9835.
Rhizobium nitrogen fixation, role nif gene 8688.
Salmonella typhimurium his operon, use transposon Tn10 11304.
Shigella sonnei, colicins, production, antibacterial activity, Escherichia coli 12916.
sporulation mutants, role ssa locus, Bacillus subtilis 8699.
Staphylococcus aureus, toxins, bacteriocins, production, drug resistance cadmium 1679.
Streptomyces glaucescens, catechol oxidase, secretion 8599.
Streptomyces hygroscopicus, turimycin, biosynthesis, continuous culture 12875.
succinate dehydrogenase, reviews 8603.
transformation, Shigella flexneri 12802.
transport proteins, Escherichia coli, localization 5730.
Zymomonas mobilis, strains, plasmids, DNA 11288.
Genetic control,
antibiotic resistance, bacteria, evolution, reviews 4196.
antibiotic resistance, streptomycin, Streptomyces griseus, Streptomyces bikiniensis 5874.
Escherichia coli, D-arabinose utilization 12782.
gene expression, phage λ, prophages, DNA, phage λ, Escherichia coli 2892.
invasiveness, Shigella flexneri, plasmids 9830.
nodulation, Rhizobium meliloti, plasmids, genes 5510.
phage λ lysis, lysogeny, hosts 7676.
phage λ, phage ΦX174 growth 5007.
phage P22 lysogeny, Salmonella, cro gene 4117.
proteolysis, bacteria± phages infection 7657.
Rhodopseudomonas capsulata nitrogenase activity 12623
Staphylococcus aureus, pathogenicity, exotoxins production, toxic shock syndrome clinical isolates 9840.
Streptococcus pneumoniae, restriction endonuclease mapping cleavage sites 12796.
Streptomyces ambofaciens spiramycin production, role, plasmid pSA1 7755.
Genetic engineering,
araC gene, proteins, Escherichia coli 11095.
bacteria, hormones, vaccines, production 2859.
bacteria, nitrogen fixation, transposons, recombination, RNA biosynthesis, books, conferences 10833.
bacteria toxins production, reviews 6014.
cattle somatotropin genes, cDNA gene expression, Escherichia coli 8667.
cloning, Escherichia coli ribosomes recognition sites, role regulation translation 12536.
Clostridium thermocellum, mutagenesis, U.V. radiation, α radiation, N-nitroso-N-methyl-N'-nitroguanidine 8661.
conferences, books 10830.
Escherichia coli, insulin biosynthesis, association, inclusion bodies 4983
Escherichia coli, proteins, proline levels 9723.
glpA gene, glpT gene, Escherichia coli 8668.
Genetic engineering, (continued)
lactic acid bacteria, plasmids, proteinase, cheese production, reviews 4112.
methodology detection cDNA genes 8665.
methodology, use plasmids DNA, Rhizobium meliloti 6770.
α-neo-endorphin, use Escherichia coli plasmid pK013 4137.
plasmids, bacteria, secondary metabolism, conferences, books 12194.
plasmids, enhancement biodegradation 2,4,5-T 5884.
plasmids, SV40 genes transfer, mammalian cells 8675.
recombinants plasmids, association, promoters, phage T7, RNA polymerase, transcription, DNA 5036.
signal peptides peptidase genes, Escherichia coli 8660.
Streptomyces, plasmids cloning 11315.
Streptomyces, use plasmids, cloning 11314.
use, lpp gene, Escherichia coli 11275.
vaccines, development 4335.
Vibrio cholerae, transposons, reviews 11319.
Genetic factors,
Bacillus subtilis, sporulation, spore coats, protein biosynthesis, assembly 1476.
bacteria mutants, plasmids, pathogenicity, drug resistance 6716.
immunity (cell-mediated), macrophages, inflammation, Listeria monocytogenes, mice 5231.
Pisum sativum, role, Rhizobium nodulation 4646.
Genetic markers,
Neisseria gonorrhoeae, auxotrophs, transformation, prototrophs 1620
Genetic relationship,
Bacillus subtilis, transformation, recombination, soil 12777.
Haemophilus influenzae, R factors, antibiotic resistance, ampicillin, tetracycline, chloramphenicol 1677.
leukocytes (polymorphonuclear), chemotaxis, defects, periodontitis, bacteria, man 3291.
Neisseria gonorrhoeae, antibiotic resistance, genetic relationship serotypes 12743.
phosphoribosyltransferase activity, purines transport, Salmonella typhimurium 1357.
Rhizobium japonicum, Rhizobium, Agrobacterium, DNA, hybridization, taxonomic significance 1441.
Genetic variance,
Escherichia coli, populations, man 4100.
Genetics,
lactic acid bacteria, plasmids, genetic engineering, proteinase, cheese production, reviews 4112.
protons pumps, adenosinetriphosphatase, reviews, bacteria 5751.
relationship, infectious diseases, man 3428.
RNA, processing, Escherichia coli, association, phage T7, phage λ, reviews 7519.
toxins biosynthesis, localization, bacteria, reviews 6714.

Escherichia coli glutamine transport 244.
Genital microflora,
bacteria, man, females 10280.
dogs, Mycoplasma, Ureaplasma, role, infertility 2333.
man, intrauterine devices, Betadine vaginal cleansing kit effects on 5265.
Propionibacterium granulosum, Haemophilus somnus, Streptococcus, Staphylococcus aureus, cattle 9326.
role, infertility, pregnancy, man 4430.
Ureaplasma urealyticum, Mycoplasma, isolation, culture, man 9510.
Genital tract,
Actinomyces israelii, man, pelvic inflammatory disease, association, intrauterine devices, man 2052.
culture, Enterobacteriaceae, identification, API test, Micro-ID test 4693.
epithelium, Mycoplasma pulmonis adherence, mycoplasmosis, mice 10695.
experimental infection, Chlamydia trachomatis, marmosets, immunity, animal models 6218.
experimental infection, Ureaplasma, cattle 3591.
infection, man, reviews 10414.
infection, treatment, epidemiology, man, case surveys, British Isles 8028.
microflora, aerobic bacteria, association, estrus cycle, dogs 9327.
Mycoplasma gallisepticum, experimental infection, pathology, chickens 2374.
Mycoplasma hominis, Ureaplasma urealyticum, Mycoplasma fermentans, transport, media, swabs 4667.
specimens, association, anaerobic bacteria isolation, methodology 10853.
Staphylococcus aureus colonization, epidemiology, females, man 10408.
surgery, association, urinary tract infection, treatment, man 7056
Genital tract infection,
aerobic bacteria, anaerobic bacteria, treatment, cefotaxime, females, man 2100.
association, intrauterine devices, man, reviews 2057.
association, Reiter's disease, Chlamydia trachomatis, man 914.
bacteria, treatment, diagnosis, females, man 2093.
Campylobacter fetus subsp.fetus, incidence, cattle, Germany, Fed. Rep. 5460.
Chlamydia trachomatis, diagnosis, children, man 4434.
Chlamydia trachomatis, diagnosis, females, man 9153.
Chlamydia trachomatis, immune response (cell-mediated), man 6100.
Chlamydia trachomatis, incidence, antibodies, cervix pathology, man 2143.
Chlamydia trachomatis, incidence, females, man, Sweden 4450.
Chlamydia trachomatis, inclusions assays, man 10387.
Chlamydia trachomatis, man 9158.
clinical aspects, treatment, Chlamydia trachomatis, man 913.
man, cervix, anus, isolation, Ureaplasma urealyticum, Mycoplasma hominis 8007.
man, Chlamydia trachomatis, antibiotics treatment 9187.
man, Chlamydia trachomatis, reviews 9186.
man, chlamydia trachomatis, reviews 9196.
man, chlamydia trachomatis, reviews 9198.
man, Ureaplasma urealyticum, incidence, clinics 9148.
mice, mycoplasma 1056.
Mycoplasma association, man 2064.
Mycoplasma bovigenitalium, cattle, males 9372.
Mycoplasma pulmonis, mice, laboratory animals, animal models 10689.
prophylaxis, penicillin, pivampicillin, abortion, man 11814.
relationship, incidence, bacteria, seminal fluid, man 872.
sheep, males, pathology, bacteria 1055.
Streptococcus zooepidemicus, susceptibility, role sex hormones, horses 10680.
treatment, antibiotic 6059-S, man 2103.
treatment, cefoperazone, man 843.
treatment, cefotaxime, association, pregnancy, man 2102.
treatment, cefotaxime, females, man 1724.
treatment, cefotaxime, females, man 2060.

Genital tract infection, (continued)
- treatment, cefotaxime, females, man 2099.
- treatment, cefotaxime, females, man 2101
- treatment, cefotaxime, man 938
- treatment, cefotaxime, man 2094

Genitourinary tract,
- Actinomyces israelii, infection, diagnosis, man 4440
- cefuroxime, Chlamydia trachomatis, Neisseria gonorrhoeae, mixed infection, genitourinary tract, treatment, children, case reports 2151
- Chlamydia trachomatis infection, animal models, man 13248.
- experimental infection, Ureaplasma urealyticum, Cercopithecus aethipos 3611.
- infection, Chlamydia, role, man 3394.
- inflammatory diseases, association, gonorrhea, incidence, females, man 2160.
- inflammatory diseases, Mycoplasma infection, incidence, antibiotic resistance, man 2055
- isolation, Mycoplasma, Ureaplasma urealyticum, biochemical characteristics, man 9068
- isolation, Ureaplasma, Acholeplasma laidlawii, sheep, British Isles 7278
- Streptococcus group B carriage, effects on fetuses, birth, man 6222.
- tuberculosis, children, case reports 7044
- tuberculosis, clinical aspects, treatment,
- tuberculosis, epidemiology, treatment, diagnosis, man, reviews 865.
- tuberculosis, Mycobacterium tuberculosis, treatment, surgery, man 9164.
- Ureaplasma urealyticum isolation, females, man 2062

Genitourinary tract infection,
- bacteria, diagnosis, treatment, man 9163.
- bacteria, pathology, immunity, pregnancy, man, reviews 2061
- Chlamydia trachomatis, role, progesterone, animal models 2054.
- Chlamydia trachomatis, treatment, females, case reports, man 10390.
- Escherichia coli, strains, clinical isolates, phage typing, man 9540.
- Haemophilus somnus, cattle 9353.
- Mycoplasma, man, reviews 11738
- role, Chlamydia trachomatis, man 2053.
- treatment, man 3395
- Ureaplasma urealyticum, Mycoplasma hominis, man, reviews 10399.

Genitourinary tract microflora,
- antagonism, Neisseria gonorrhoeae, Neisseria meningitidis, Branhamella catarrhalis, man, in vitro 2426

Genomes,
- bacteria, freeze-fracture, fixation, reviews 7422.
- DNA damage, restriction endonuclease mapping, methodology, Streptomyces glaucescens 7496
- DNA plasma membranes complex, fractionation, characterization, Bacillus subtilis 6566
- DNA, restriction endonuclease mapping, electron microscopy analysis, Mycoplasma hyorhinis 8702
- DNA, rne gene hybridization analysis, Escherichia coli 12504.
- Escherichia coli, genes, transfer R factor R68.45 9864.
- Escherichia coli, loci, localization, amino acid sequence, gene mapping 7662
- Escherichia coli, mutation effects on R factor R6K expression 9878.
- foot-and-mouth disease virus, cloning, Escherichia coli 9829.
- gene mapping, Mycobacterium phlei 8690
- hepatitis A virus, cloning, plasmids, bacteria 9870.
- recombination, transposon Tn3, characterization, bacteria 5826.
- replication gene mapping, Mycobacterium phlei 8686
- replication, mutants, Escherichia coli 6698.
- replication origin, cloning, structure-activity relationships, Escherichia coli 8700.
- replication, RNA linkage DNA role, Bacillus subtilis 5721.
- Rhizobium trifolii, linkage gene mapping, use, plasmid R68.45 5881.
- size, Myxococcus xanthus 3889.

Genotypes,
- Phaseolus vulgaris, cultivars, effects on, replication, Pseudomonas phaseolicola 2412.
- preferences Rhizobium meliloti, association nitrogen fixation, Medicago sativa 9482

Gentamicin,
- aerosols, treatment, man, cystic fibrosis, infection, Pseudomonas aeruginosa 9261
- +ampicillin, antibiotic synergism, mice, meningitis, Streptococcus group B experimental infection 13212
- analogs, antibacterial activity 315.
- antibacterial activity, antibiotic resistance, gram-negative bacteria clinical isolates 4168
- antibacterial activity, bacteria, temperature effects on 5053.
- antibacterial activity, clinical isolates 5056.
- antibacterial activity, comparison, ceftazidime, β-lactam antibiotics, gram-negative bacteria, gram-positive bacteria, experimental infection, mice 5438
- antibacterial activity, comparison ceftazidime, cephalosporin antibiotics, clinical isolates, gram-negative bacteria, gram-positive bacteria 5910.
- antibacterial activity, digestive tract microflora, mice 10640.
- antibacterial activity, gram-negative bacteria, clinical isolates 1706.
- antibacterial activity, gram-negative bacteria, gram-positive bacteria, clinical isolates 9934
- antibacterial activity, Legionella micdadei, in vitro 9932.
- antibacterial activity, Pseudomonas aeruginosa, pH effects on 323.
- antibacterial activity, Serratia marcescens, Klebsiella pneumoniae, Salmonella, Proteus, Erwinia, Citrobacter freundii, Staphylococcus aureus, Streptococcus faecalis 6783.
- +antibiotic FR-31564, antibiotic synergism, antibacterial activity, gram-negative bacteria 2997.
- antibiotic resistance, Enterobacteriaceae 5958.
- antibiotic resistance, Enterobacteriaceae, epidemiology 8792.
- antibiotic resistance, Enterobacteriaceae, nosocomial environments isolates, role, R factors 5956.
- antibiotic resistance, Enterobacteriaceae plasmids, infection, man, hospitals 4134.
- antibiotic resistance, Enterobacteriaceae, skin isolation sites, man, environmental studies, hospitals 3273.
- antibiotic resistance, genes, cloning, Pseudomonas aeruginosa, plasmids, Escherichia coli 9825.
- antibiotic resistance, gram-negative bacilli, nosocomial infection, bacteremia, risk factors, man 1020.
- antibiotic resistance, gram-negative bacteria 1751.
- antibiotic resistance, gram-negative bacteria, hospitals, Canada 1753.

Gentamicin, (continued)
- antibiotic resistance, gram-negative bacteria, isolation, animals 9992.
- antibiotic resistance, gram-negative bacteria, R factors, nosocomial infection, man 10007
- antibiotic resistance, infection, treatment, netilmicin, man 975
- antibiotic resistance, nosocomial infection, epidemiology, plasmids, man, Klebsiella 10021.
- antibiotic resistance, plasmids, Pseudomonas aeruginosa, expression, Escherichia coli 9995
- antibiotic resistance, plasmids, Staphylococcus aureus, clinical isolates 7837.
- antibiotic resistance, R factors, plasmids, transposon Tn733, detection 1748.
- antibiotic resistance, Salmonella typhimurium clinical isolates 7816.
- antibiotic resistance, Staphylococcus aureus 396.
- antibiotic resistance, Staphylococcus aureus, burn patients 8793.
- antibiotic resistance, Staphylococcus aureus, infection, man, hospitals, incidence 392.
- antibiotic resistance, Staphylococcus aureus, isolation, Denmark 3065.
- antibiotic resistance, Staphylococcus aureus, man 406.
- antibiotic resistance, transfer, Staphylococcus hominis, Staphylococcus aureus, in vitro, in vivo 6819
- antibiotic sensitivity testing, bacteria 320.
- antibiotic sensitivity testing, Bordetella pertussis, clinical isolates 7769.
- antibiotic sensitivity testing, disc-diffusion test, Pseudomonas aeruginosa 319.
- antibiotic sensitivity testing, Enterobacteriaceae, use, ATP, chemiluminescence 12888
- antibiotic sensitivity testing, Listeria monocytogenes, in vitro 9941.
- antibiotic sensitivity testing, Pseudomonas aeruginosa, autobac test comparison disc diffusion test 5909.
- antibiotic sensitivity testing, Pseudomonas aeruginosa, pyocin typing, aeruginocine 8785.
- antibiotic sensitivity testing, Streptococcus group D clinical isolates 5905.
- antibiotic synergism, azlocillin, mezlocillin, antibacterial activity, Pseudomonas aeruginosa 9968.
- antibiotic synergism, carbenicillin, piperacillin, antibacterial activity, Pseudomonas aeruginosa 12889.
- antimicrobial activity, eye pathogens 5908.
- antimicrobial activity, reviews 5907.
- +azlocillin, treatment Pseudomonas aeruginosa, respiratory tract infection, cystic fibrosis, man 11708.
- clinical trials, abdomen surgery, antibiotic prophylaxis, incidence, wound infection, man 10531.
- comparison, cefoperazone, treatment, meningitis, animal models 11847.
- comparison, cephazolin, prophylaxis, infection, association, urinary tract endoscopy, man 10386
- comparison, N-formimidoyl thienamycin, antibacterial activity 9938.
- +erythromycin, antibacterial activity, Listeria monocytogenes, growth 9963.
- Escherichia coli, Klebsiella, antibiotic resistance 384
- R factors transduction, Pseudomonas aeruginosa, conjugation, phages 11295.
- +N-formimidoyl thienamycin, antibacterial activity, Listeria monocytogenes, Streptococcus faecalis, Streptococcus faecium 340.
- +methicillin, antibiotic resistance, Staphylococcus aureus, nosocomial infection, disease control, infants, man 10620.
- methicillin, Staphylococcus aureus, antibiotic resistance, antibacterial activity, minocycline± rifampicin 1733.
- +methylprednisolone, treatment, Escherichia coli, endotoxin shock, baboons 8894.
- +mezlocillin, treatment, Escherichia coli, Pseudomonas aeruginosa, infection, man 5377.
- +miconazole+betamethasone, treatment, bacteria, fungi, skin infection, man 5271.
- Micromonospora sagamiensis mutants, biosynthesis 7746.
- +moxalactam, antibiotic synergism, Staphylococcus aureus, Pseudomonas aeruginosa, clinical isolates 12887.
- netilmicin, treatment comparison, bacteria infection, gynecology, man 11793.
- +penicillin, antibiotic synergism, antibacterial activity, Streptococcus group A, Streptococcus group B 1711.
- +polymethyl methacrylate beads, treatment, bone sepsis, man 4486.
- ± povidone-iodine, prophylaxis, postoperative infection, bacteriuria, bacteremia, prostate surgery, man 868.
- Pseudomonas aeruginosa, antibiotic resistance, burn patients, association bedding 6946.
- Pseudomonas aeruginosa antibiotic resistance, purification, characterization, aminoglycoside acetyltransferase, aminoglycoside adenyltransferase 7826.
- Pseudomonas aeruginosa, antibiotic sensitivity testing, antibacterial activity, calcium, magnesium, effects on 387.
- resistance, association, modification enzymatic, aminoglycoside antibiotics, Pseudomonas aeruginosa, Enterobacteriaceae 12678.
- resistance, Enterobacteriaceae, Pseudomonas aeruginosa, transfer, R factors association 11328.
- resistant mutant, Staphylococcus aureus, incidence, nosocomial environments, plasmids, characterization 6830.
- Salmonella, antibiotic resistance 9996.
- serum levels, treatment, gram-negative bacteria sepsis, association, burn patients, man 10505.
- Staphylococcus aureus, antibiotic resistance 11441.
- susceptibility, Haemophilus pleuropneumoniae, animal isolates, pneumonia, pigs 5904.
- synergism, fosmidomycin, antibacterial activity, Enterobacteriaceae 11391.
- treatment, aerosols, respiratory tract infection, man 13140.
- treatment, arthritis, Mycoplasma pulmonis, experimental infection, mice 2396.
- treatment, bacteria, urinary tract infection, man 4432.
- treatment effects on intestinal microflora, rabbits 9322.
- treatment, gram-negative bacteria infection, man, comparison, sisomicin 10602.
- treatment, penicillin antibiotic resistance Neisseria gonorrhoeae infection, man 2155.
- treatment, postoperative infection, serum levels, complications, man 3471.
- treatment, Pseudomonas aeruginosa keratitis, animal models 7118.
- treatment, Pseudomonas aeruginosa keratitis, animal models, man 13318.
- treatment, Pseudomonas, infection, man 3464.
- treatment, respiratory tract infection, Staphylococcus aureus, Pseudomonas aeruginosa, children 10345.
- treatment, Staphylococcus infection, cerebrospinal fluid shunts, man 10433.

Gentamicin sulfate,
- topical application, treatment, eye infection, bacteria, man 5397.

Gentiourinary tract infection,
- Escherichia coil, serotypes, clinical isolates, man, Hong Kong 9156.

Geographical distribution,
- colicin typing, Shigella sonnei, methodology, frequency 9571.

Geographical distribution, (continued)
Salmonella, antibiotic resistance, characterization, reviews 8801
Salmonella typhi, Salmonella paratyphi 10366.
Salmonella weltevreden, phage typing, India 44.
Streptococcus pneumoniae antibiotic resistance clinical isolates 6827.
Vibrio cholerae strains, lysogeny, phage κ, detection methodology 8455.
Geographical variations,
endocarditis, narcotics addicts, man 2323.
susceptibility, endotoxins, Bacillus thuringiensis, Anopheles stephensi, Aedes aegypti, Aedes albopictus, India 12987.
Geosmin,
Nannocystis exedens, biosynthesis, soil odor 2840.
Geotaxis,
bacteria, magnetic fields, reviews 7411
Geotrichum candidum,
fungistasis, Pseudomonas fluorescens, pigments, chelating agents 11036.
Gerbils,
animal models, otitis media, Streptococcus pneumoniae, Haemophilus influenzae 6182.
Geriatrics,
bacteria, bacteriuria, relationship, man 2098.
bacteria pneumonia complications, mortality 13146.
bacteriuria, Escherichia coli, nosocomial infection, epidemiology, use, antigen O typing 2050
cholangitis, association, bile bacteriology 4519
decubitus ulcers, bacteria infection 9076.
infection, bacteria, diagnosis, treatment, man, reviews 7164
institutions, Streptococcus pneumoniae vaccination 644.
institutions, Streptococcus pneumoniae vaccines, vaccination, antibody response 643
institutions, tuberculosis, nosocomial infection, incidence, man, USA, Arkansas 10478.
leukocytes (polymorphonuclear), oxidative metabolism, in vitro antibacterial activity, Staphylococcus aureus 10212.
lung tuberculosis, France 3333.
lung tuberculosis, outbreaks, institutions 754.
man, case reports, Streptococcus group A endocarditis, antibiotics treatment, association, blindness, panophthalmitis 13284.
man, gram-negative bacteria septicemia 5369.
man, infectious diseases, diagnosis, treatment 13353
man, urinary tract infection, bacteria, diagnosis, prophylaxis 7035.
nosocomial environments, man, respiratory tract infection, characterization 7972.
nosocomial infection, catheters contamination 10529.
pneumonia, meningitis, gram-negative bacteria, reviews 13275.
pneumonia, Streptococcus pneumoniae, gram-negative bacilli, aspiration 758.
senile, man, Streptococcus viridans, endocarditis, diagnosis, clinical aspects 2301.
Streptococcus pneumoniae, pneumonia, nosocomial infection, diagnosis, clinical aspects, epidemiology, man 2012.
urinary tract infection, cinoxacin treatment 13195.
urinary tract infection, treatment, antibiotics 7031.
German Dem. Rep.,
fruit trees, disease resistance, Mycoplasma infection, incidence 2417.
man, skin tuberculosis, epidemiology, treatment, clinical aspects 11660.
Germany, Fed. Rep.,
Artiodactyla, serum, incidence, Brucella, antibodies 3637.
bacteria distribution, eutrophic environments, coastal environment, association, pollution indicators 8228.
cattle, Campylobacter fetus subsp.fetus genital tract infection, incidence 5460.
cattle, males, campylobacteriosis, incidence 7282.
cattle, mastitis, arthritis, association, Mycoplasma agalactiae subsp.bovis 5486
cattle, Mycoplasma bovis, infection, clinical aspects, treatment 3576.
estuaries, bacterioplankton, waste water pollution effects 1240.
estuaries, intertidal environment sediments, bacterioplankton distribution 1247.
man, Q fever, epidemics 6997
man, tuberculosis, epidemiology 10623.
man, Yersinia enterocolitica infection, epidemiology, clinical aspects 2302.
rivers, salinity effects on heterotrophic bacteria 12169.
tuberculosis, control programs, man 11916
tuberculosis, incidence, immigrants, man 11919
Germfree,
methodology, mice, rats, guinea-pigs 10727
neonates mice, cholera, experimental infection, pathology 822.
rats, digestion, killed bacteria 1126.
Germination,
Bacillus megaterium, spore coats, electrical properties effects on 8453.
crops seeds, Azotobacter chroococcum effects on 13496.
Hordeum vulgare, inhibition, Gliocladium roseum, Azotobacter chroococcum, calcium peroxide+lime seed treatments effects on 1145.
leguminosae seeds, association, Rhizobium pretreatment 10765.
Pinus nigra, Bacillus, effects on, antagonism, Rhizoctonia solani 8159.
seeds, exudates, carbon sources, bacteria soil 13500.
seeds, growth, inhibition, Pseudomonas tomato, damping-off, Lycopersicon esculentum 3669
spores, Bacillus cereus, phenylglyoxal effects on 8831.
spores, Streptomyces antibioticus, uptake, sugars, induction 2627.
Gerres,
organoleptic evaluation, luminous bacteria effects on 9334.
Geukensia demissa,
bacterioplankton filtration efficiency, measurement 6446.
Ghana,
man, yaws, epidemiology 4522.
Giardia lamblia,
anorectal infection, homosexuality, man 5345.
Gibberellic acid,
foliar applications, Pisum sativum, effects on, rhizosphere microorganisms, bacteria 10769.
Gibberellin,
biosynthesis, Rhizobium, nodules, effects on, growth, Phaseolus lunatus 4625.
like substances, media (culture), chemical composition effects on, biosynthesis, isolation, Pinus silvestris, coryneforms 9814.
Gibberrellins,
Arthrobacter, effects on Lactuca sativa acid phosphatase activity 8650.
Gigartina teedii,
bacteria infection, induction tumors like growth 10758.
Gilrocarcin,
Streptomyces arenae, isolation, characterization 8652.
Gilvocarcin M,
Streptomyces gilvotanareus, structure 298.
Gilvocarcins,
isolation, structure, streptomyces anandii, antitumor activity, antimicrobial activity 9983.
Gingiva,
bacteria, infection, adolescence, man 4367.
clindamycin levels, antibacterial activity, man 374.
keratinization, dogs, dental plaque prophylaxis 12047.
Macaca fascicularis, Fusobacterium nucleatum lipopolysaccharides extracts effects on 11680.
periodontal diseases, collagenase, localization, man 703.
Gingival fluid,
transferrin, α-1-antitrypsin, levels, periodontal disease, man 5283.
Gingivitis,
association, oral microflora, Bacteroides asaccharolyticus, Bacteroides melaninogenicus, man 1964.
association, periodontal diseases treatment, man 6951.
bacteria, epidemiology, Sweden, adolescence 11693.
children, Brazil, teeth cleaning, fluoride applications, effects on 734.
chlorhexidine mouthwashes effects on, bacteria, children 11684.
dental plaque, man, clinical trials, chlorhexidine digluconate, mouthwashes, oral hygiene, effects on 3296.
dental plaque, man, clinical trials, chlorhexidine digluconate, dosage, effects on 3297.
experimental infection, histology, rats 6354.
incidence, association, age, oral cavity localization man 3290.
oral hygiene effects on, bacteria, man 11685.
periodontitis, treatment, Suanatem, efficacy, animal models 4591.
Gingivostomatitis,
Streptococcus group A, diagnosis, treatment, man, case reports, reviews 6956.
Giraffa camelopardalis rothschildi,
isolation, Acholeplasma laidlawii, characterization 6360.
Glanders,
horses, zoonoses, man, characterization 11905.
Glass,
Mycoplasma pneumoniae adherence, role, ATP, cyclic AMP 73.
Streptococcus mutans deposition, measurements 4680.
Glaucescin,
Streptomyces glaucescens, biosynthesis, inheritance 250.
Glaucoma,
association, Nocardia asteroides endophthalmitis, man, case reports 5429.
Glaucomys volans,
disease reservoir, epidemic typhus, Rickettsia prowazekii, USA 2244.
Rickettsia prowazekii experimental infection, Arthopoda vectors 1135.
Glia,
tumor cells, cyclic AMP accumulation, stimulation, Vibrio cholerae toxins, calcium effects on 5169.
Glial cells,
nucleotides biosynthesis, bacteria lipopolysaccharides effects on 496.
Gliding bacteria,
predation, Saprospira 2424.
Gliocladium roseum,
inhibition, Hordeum vulgare, germination, growth, calcium peroxide+lime seed treatments effects on 1145.
Globin,
genes, cDNA, chickens, cloning, plasmid pMB9 4144.
Globomycin,
biosynthesis, characterization, isolation, Streptomyces hygroscopicus 4155.
γ-Globulins,
treatment, pigs scours 8086.
Glomerulonephritis,
association, infection, bacteria, man 5233.
association, leprosy, man, case reports 684.
association, obesity, treatment, antigen-antibody complexes, Klebsiella pneumoniae, immune complex diseases, man 7942.
association, Streptococcus infection, children 11882.
association, Streptococcus infection, immunopathology, man 5437.
comparison, rheumatic fever, Streptococcus, association, immunoglobulin A levels, man 12015.
endocarditis association, rabbits, role, antiglobulin 1901.
Streptococcus, immune response (humoral), man 11589.
Streptococcus infection, role, neuraminidase, sialic acid, man 3379.
Glomerulus,
man, association, kidney diseases, Brucella infection 10413.
Glomus caledonius,
bacteria like organelles, characterization, association cytoplasm 7313.
Glomus fasciculatus,
effects on, nitrogen fixation, growth, Glycine max 2458.
interaction, Rhizobium, effects on Hedysarum boreale growth 5516.
Glomus macrocarpus var.macrocarpus,
spores, symbiosis, Enterobacter, Pseudomonas, Streptococcus 4618.
Glomus tenuis,
Trifolium repens, effects on Rhizobium trifolii nodulation, nitrogen fixation 12152.
Glossina,
symbionts abundance, factors affecting 7291.
Gloxazone,
effects on immunity, heartwater fever, sheep 8953.
Glucan,
biosynthesis, role, dextransucrase, endo-1,3-α-D-glucanase inhibition, Streptococcus mutans 6645.
biosynthesis, streptococcus mutans, cell surface, adherence 9592.
(1→2)-β-D-Glucan,
Agrobacterium, structure 12708.
β-1,2-Glucan,
Rhizobium trifolii, structure, role, nodulation 8636.
1,4-α-Glucan branching enzyme,
Escherichia coli, antigenic relationship, starch (bacterial glycogen) synthase 11561.
β-Glucanase,
Actinomyces griseinus, isolation 12596.
1,4-β-Glucanase,
Cellulomonas uda, biosynthesis, localization, regulation 8556.

Glucans,
- biosynthesis, Streptococcus mutans, dental caries effects on 4949
- biosynthesis, Streptococcus mutans, glucans effects on 221
- biosynthesis, Streptococcus mutans, sugars effects on 12702.
- structure, methylation, Streptococcus mutans, serotypes 11227
- Yersinia pseudotuberculosis, structure 4943

β-D-Glucans,
- Congo red staining, assays, bacteria cellulase 8606

Glucitol,
- association, Streptococcus group B polysaccharides 8640

Glucocorticoids,
- Fusarium T-2 toxin, F-2 toxin, DAS toxin effects on, rats, pigs 12035.
- milk levels, Escherichia coli, mastitis, cattle 12069.

Glucocorticosteroids,
- role, infectious diseases, bacteria, man 13274

Glucokinase,
- Zymomonas mobilis, activity, regulation, characterization 7598

Gluconate,
- phosphorylation, Streptococcus faecalis, enzymes role 11229

Gluconeogenesis,
- Propionibacterium shermanii, association pyruvate kinase activity 12653

Gluconic acid,
- Micrococcus, biosynthesis, glucose oxidation 5793

Gluconobacter,
- isolation, Apis mellifera, beehives 12084
- isolation, media (selective) 7352
- nutrient requirements, nitrogen 3847
- oxidation, 3-methylpentane-1,3,5-triol, stereospecificity 6536

Gluconobacter industrius,
- 5-keto-D-fructose reductase, purification, characterization 3988

Gluconobacter oxydans,
- factors affecting levansucrase biosynthesis 12617
- immobilized cells, glycerol transformation, dihydroxyacetone 232.
- melanin, biosynthesis, characterization 12499
- sorbitol oxidation, intracytoplasmic membranes enzymes, role growth 6497

Gluconobacter oxydans subsp.suboxydans,
- ammonia metabolism, glutamine synthetase+glutamate synthetase pathway, role 5655.
- glycerol oxidation, media nutrient content effects on 4767

Gluconobacter suboxydans,
- glucose dehydrogenase, purification, characterization 4001
- spheroplasts, membrane structure 4725

D-Glucosamine,
- inactivation, phage PL-1, Lactobacillus casei 11298
- Streptomyces griseus, interaction, streptomycin biosynthesis, peptidoglycans biosynthesis 8745

Glucose,
- analogs, effects on Streptococcus lactis energy production, growth 12462
- bacteria, acid production, feedback inhibition, metabolism, digestion (anaerobic) 8444
- broth, Bacillus cereus, Clostridium perfringens, phospholipase activity 4223
- carbon sources, secretion, Alteromonas rubra, α-amylase, characterization 9735.
- carboxylase, activity, Serratia marcescens 12650
- cerebrospinal fluid levels, diagnosis, meningitis, man 2113
- effects on, bactericidal activity, leukocytes (neutrophilic), diabetes mellitus, man 1907
- effects on coenzyme Q_{10} production, Pseudomonas mutants 2881
- effects on dental plaque formation, ultrastructure 4379
- effects on population density, Azotobacter, aerobic bacteria, spores 12120
- fermentation, bacteria, detection, association electrical impedence, automated methods 10885
- incorporation, association, antibiotic A23187 biosynthesis, Streptomyces chartreusis 9911
- induction, antibiotic resistance, oxytetracycline, Staphylococcus aureus 9984
- inhibition, L-glutaminase enzymatic activity, Bacillus licheniformis 186.
- levels, bacteria, heterotrophs, aquatic organisms 9793
- levels, Streptococcus group B, experimental infection, mastitis, cattle 3624
- limitations, Selenomonas ruminatium, viability, growth, continuous culture 2671
- limiting factors, Escherichia coli, anthranilate synthase levels, regulation, chemostat culture, batch culture 1529
- media, Escherichia coli, phospholipids, metabolism 2835
- metabolism, bacteria, acid production, anaerobic conditions, N.M R 4070
- metabolism, Streptococcus thermophilus, growth 12468
- metabolism, Treponema phagedenis, N.M.R. 1379
- Micrococcus, oxidation, gluconic acid biosynthesis 5793
- oxidation, Pseudomonas solanacearum, tannins soil amendment effects on 13503
- oxygen, effects on, metabolism, tricarboxylic acid cycle, Pseudomonas aeruginosa 12440
- phosphorylation, enzymes, Streptococcus mutans, Streptococcus salivarius, Streptococcus sanguis, comparison 5779.
- phosphorylation, transport, Salmonella typhimurium, mutants, activity 1356.
- plasma levels, bacteria infection, neonates, man 10630
- Propionibacterium shermanii, mixed culture, Lactobacillus acidophilus, commensalism, growth rate 10762.
- role, somatotropin activity, man, association, sepsis 11874
- serum, ratio, cerebrospinal fluid, diabetes mellitus, meningitis, man 2126.
- Streptococcus bovis, continuous culture, pigments, production 11034.
- Thiobacillus, mixotrophy, growth rate, chemostats 2665.
- Thiobacillus neapolitans, polysaccharides, intracellular levels, fermentation, anaerobic conditions 8450.
- transport, phosphorylation, Brevibacterium flavum 12467
- transport, Rhizobium leguminosarum, regulation malic acid 6510.
- transport, Streptococcus mutans, role, protonmotive force 5632.
- uptake, chickens, rate, intestinal microflora 1044.
- uptake, microorganisms, marine environments, corexit 9527, dispersants, effects on 2643.
- uptake, Mycobacterium leprae, cultural characteristics 9511.
- uptake, relationship, fatty acid composition, Pseudomonas, Vibrio 8421.
- uptake, Streptococcus mitis, dental plaque, man, in vitro 2668.
- utilization, Bacillus popilliae, oxygen effects on 10980
- utilization, dogs, in vitro, prednisolone± Escherichia coli effects on 13040.

+Glucose,
- antibiotic therapy, cattle mastitis 3570.

Glucose dehydrogenase,
- biosynthesis, Bacillus, sporulation 4860.
- Pseudomonas aeruginosa, activity, deficiency, association, nitrate 12664.

Glucose dehydrogenase, (continued)
- purification, characterization, Gluconobacter suboxydans 4001

Glucose isomerase,
- biosynthesis, continuous culture, Arthrobacter, Mycobacterium 197.
- biosynthesis, Streptomyces strains, taxonomy 51.
- isolation, mycelia, methodology, Streptomyces albogriseolus 12620.

Glucose metabolism,
- Escherichia coli endotoxins effects on, rats 8880.

Glucose tolerance,
- tuberculosis, man 6175.

β-D-Glucose-1-phosphate,
- Streptococcus faecalis, structure, antigenic determinants, characterization 5806.

Glucose-1-phosphate adenylyltransferase,
- cyclohexanedione, phenylglyoxal allosteric inactivation, role arginine residues, Escherichia coli 7592.
- Rhodospirillum fulvum, Rhodospirillum molischianum, Rhodospirillum tenue, purification, characterization 191
- Rhodospirillum rubrum, purification, characterization 12632.
- trinitrobenzenesulfonic acid chemical modification allosteric activators sites, effects on activity, Escherichia coli 7547.

Glucose-6-phosphate,
- effects on fosfomycin treatment, Klebsiella experimental infection, animal models, man 11985
- Escherichia coli, transport, uhp-lac operon, induction, regulation 1616.

Glucose-6-phosphate dehydrogenase,
- association, Vibrio classification 4925.

Glucosephosphate isomerase,
- ATP inhibition activity, cooperativity, Bacillus caldotenax 9767.
- ATP inhibition, Bacillus caldotenax 11183.

α-D-Glucosidase,
- induction, Streptomyces venezuelae, nutrient requirements effects on 11130.
- inhibition, bacteria, acarbase, association, disaccharides biodegradation, dental plaque, man 13067.

β-Glucosidase,
- Cellulomonas uda, biosynthesis, localization, regulation 8556.

β-D-Glucosidase,
- bacteria, fungi, function, immobilization 7576.
- stability, activity, role sulfhydryl groups, Bacteroides succinogenes 7587

β-Glucoside,
- metabolism, regulation proteins, bglBSRC operon, Escherichia coli 4101.

Glucosyltransferase,
- Streptococcus mutans, immunization, hamsters 9064.
- Streptococcus mutans, Streptococcus sanguis, photoinactivation 180.

β-Glucuronidase,
- Enterobacteriaceae, activity, use, identification, Salmonella serotypes 1522.

Glutaconate CoA-transferase,
- purification, characterization, Acidaminococcus fermentans 2806.

Glutamate,
- catabolite repression, Bacillus subtilis, glutamate dehydrogenase ($NADP^+$), enzymatic activity 2809
- excretion, Citrobacter intermedius, role, plasmids, isocitrate dehydrogenase, enzymatic activity 2812.
- Microbacterium ammoniaphilum, biosynthesis, N.M.R., characterization 5735.
- nitrogen sources, Rhizobium japonicum, acetylene reduction 9617.
- transport, Escherichia coli, coupling, sodium 78

Glutamate decarboxylase,
- isolation, characterization, Listeria monocytogenes 1463.
- L-serine O-sulfate inactivation, N.M.R., Escherichia coli 11192.

Glutamate dehydrogenase,
- Brevibacterium flavum, role glutamic acid biosynthesis 7532.
- enzymatic activity, media (culture) effects on, inhibitors, Selenomonas ruminantium 370.
- Rhizobium meliloti, enezymatic activity regulation, media (culture) 3984.
- role, Nitrobacter agilis inorganic nitrogen assimilation 12466.

Glutamate dehydrogenase ($NADP^+$),
- Bacillus subtilis, enzymatic activity, catabolite repression, glutamate 2809.

Glutamate synthase,
- Rhizobium lupini, bacteroids, ammonium effects on 12667
- Rhizobium meliloti, enezymatic activity regulation, media (culture) 3984.

Glutamate synthase (NADH),
- Bacillus stearothermophilus, purification, characterization 11175.

Glutamate synthase (NADPH),
- genes, gene mapping, Salmonella typhimurium 5818.
- Rhodospirillum rubrum, association, membranes, characterization 1502.

Glutamate synthetase,
- +glutamine synthetase, pathway, role, ammonia metabolism, Gluconobacter oxydans subsp.suboxydans 5655

Glutamic acid,
- biosynthesis, Brevibacterium divaricatum, batch culture, computer applications 176.
- biosynthesis, Corynebacterium glutamicum, nutrient requirements 12561.
- Brevibacterium divaricatum, biosynthesis, ethanol, association addition, mathematical models 173.
- Brevibacterium flavum, biosynthesis, role glutamate dehydrogenase, isocitrate dehydrogenase 7532.
- Brevibacterium flavum, production, immobilization 200.
- Corynebacterium glutamicum, biosynthesis, isolation, media (enrichment) 178.
- Corynebacterium glutamicum, biosynthesis, molasses utilization 12375
- excretion, Citrobacter intermedius, antibacterial activity, chloramphenicol 1739.

L-Glutaminase,
- Bacillus licheniformis, enzymatic activity, glutamine induction, glucose inhibition 186

Glutamine,
- auxotrophs, Pseudomonas aeruginosa mutants, glutamine synthetase activity 12794.
- Bacillus subtilis, mutants, nutrient requirements, glutamine synthetase, genetic analysis, gene mapping 2856.
- binding proteins, amino acid sequence, Escherichia coli 1473.
- induction, L-glutaminase enzymatic activity, Bacillus licheniformis 186.
- Klebsiella pneumoniae, auxotrophy, nitrogen metabolism, regulation gln gene 9832.
- Salmonella typhimurium, transport, methionine sulfoxide, methionine, relationship 2610.
- transport, Escherichia coli, genetics analysis 244.

L-Glutamine,
- nitrogen sources, media (culture), Pseudomonas tomato, cultural characteristics 8258

Glutamine synthetase,
activity, Pseudomonas aeruginosa mutants, glutamine auxotrophs, gene mapping 12794.
Alnus glutinosa nodules, localization, characterization 10767.
ATP hydrolysis, kinetics, Escherichia coli 4903.
Bacillus licheniformis, activity, characterization, nitrogen sources, effects on 1516.
Bacillus licheniformis, enzymatic activity, biosynthesis, phosphorylribosyl pyrophosphate effects on, factors affecting 201.
Bacillus subtilis, mutants, glutamine, nutrient requirements, genetic analysis, gene mapping 2856.
characterization, Escherichia coli, fluorometry 5777.
characterization, mutants, Salmonella typhimurium 4881.
Chlorobium limicola, Rhodospirillum rubrum, activity 9727.
enzymatic activity, media (culture) effects on, inhibitors, Selenomonas ruminantium 370.
enzymatic activity, regulation, Rhodopseudomonas sphaeroides, in vivo 1537.
inactivation, Streptomyces cattleya, glutamine synthetase ammonia shock 12687.
inhibition, Rhizobium meliloti 3952.
isolation, Escherichia coli 4005
Micrococcus glutamicus, biosynthesis, nitrogen sources, effects on 4056.
Nicotiana tabacum, inactivation, Pseudomonas tabaci, toxins, wildfire, chlorosis, leaves 3138.
Nitrosomonas europaea, purification, characterization, activity 4018.
permeabilized Escherichia coli, adenylation 4047.
permeabilized Escherichia coli, adenylation, regulation 4052.
purification, characterization, Azotobacter vinelandii 7555.
purification, characterization, Bacillus brevis 7550.
purification, characterization, Micrococcus glutamicus 3995.
purification, Escherichia coli 8577.
reactivation, escherichia coli 9738.
regulation, inhibition kinetics, Bacillus caldolyticus 4019.
Rhizobium meliloti, enezymatic activity regulation, media (culture) 3984.
Rhodopseudomonas palustris, regulation 207.
subunits interaction, cooperativity, Escherichia coli 4900
subunits, regulation, diploids, phage SPβ, Bacillus subtilis 6621.

Glutamine transport,
reconstitution, vesicles, Escherichia coli 5616.

x-Glutamyl phosphate reductase,
proline biosynthesis, Escherichia coli 171.

Glutamyltransferase,
isolation, enzymatic activity, Mycobacterium 1482.

α-Glutamyltransferase,
Enterobacteriaceae, detection, assays, Shigella sonnei 1500.
Salmonella dublin, Salmonella enteritidis, detection, assays, Shigella sonnei 1500.
Shigella sonnei, detection, 1500.

Glutaraldehyde,
antibacterial activity, Spiroplasma citri, Spiroplasma 7846.
inactivation, Salmonella abortus-equi, vaccines, vaccination, rabbits, guinea-pigs 4340.

Glutaredoxin,
binding ribonucleoside-diphosphate reductase, glutathione derivatives inhibition, Escherichia coli 11149.
localization, Escherichia coli 11129.
N,N'-bis-(4-azidobenzoyl) glutathione disulfide photoaffinity labelling, Escherichia coli 12553.

Glutathione,
biosynthesis deficient mutant, Escherichia coli, isolation 4834.
deficiency strains, Escherichia coli, effects on, coenzyme A disulfide, glutathione 9712.
deficient mutant, Escherichia coli, potassium metabolism 12438.
derivatives, inhibition glutaredoxin binding ribonucleoside-diphosphate reductase, Escherichia coli 11149.
methylglyoxal drug resistance Escherichia coli mutants, release, biosynthesis 1791.

Glutathione reductase (NAD(P)H),
defective mutant, Escherichia coli, gor gene, gene mapping 11286.

Glycals,
interaction, β-D-galactosidase, affinity labelling, Escherichia coli 6661.

Glyceollin,
Glycine max biosynthesis, cell culture, induction, Pseudomonas syringae 12110.
Glycine max, effects on bacteria growth 12091.

Glyceraldehyde-phosphate dehydrogenase,
X-ray crystallography, Bacillus coagulans 8571.

Glycerate dehydrogenase,
Micrococcus varians, Bacillus licheniformis, glycine effects on activity 8613.

Glycerin,
+chlorhexidine digluconate, teat dips, prophylaxis, Staphylococcus aureus mastitis, cattle 5453.

Glycerol,
allosteric activation carbamoyl-phosphate synthetase (glutamine-hydrolysing), Escherichia coli 12580
carbon sources, growth, Klebsiella pneumoniae, glycerol dehydratase 8623.
carboxylase, activity, Serratia marcescens 12650.
catabolism, Pseudomonas aeruginosa, role, glycerol kinase, glycerol-3-phosphate dehydrogenase 3861.
induction, antibiotic resistance, oxytetracycline, Staphylococcus aureus 9984.
media (culture), Streptococcus faecalis subsp.zymogenes, catalase, hematin, effects on growth 1383.
oxidation, Gluconobacter oxydans subsp.suboxydans, media nutrient content effects on 4767.
+phenol, +zinc, insulin additives, antibacterial activity, Staphylococcus epidermidis, Staphylococcus aureus, Escherichia coli 4203.
release induction, histamine sensitization factors, Bordetella pertussis, adipocytes, rats 11253
transformation, dihydroxyacetone, immobilized cells, Gluconobacter oxydans 232.
transport, Escherichia coli, membrane permeability, membrane composition 2584.

Glycerol dehydratase,
Klebsiella pneumoniae, carbon sources, glycerol, growth 8623.

Glycerol kinase,
Pseudomonas aeruginosa, role, glycerol catabolism 3861.

Glycerol-3-phosphate dehydrogenase,
Pseudomonas aeruginosa, role, glycerol catabolism 3861.
purification, characterization, Escherichia coli 5781.
purification, characterization, Escherichia coli 6663

Glycerol-3-phosphate dehydrogenase, (continued)
Vibrio alginolyticus, purification, characterization 2801.

Glycerolphosphate acyltransferase,
purification, characterization, reconstitution, cytoplasmic membranes, Escherichia coli 4874.

Glycerophosphase,
ATP effects on, Escherichia coli 4857.

Glycine,
effects on, Mycobacterium smegmatis, lipid composition, phospholipid composition, growth 1573.
fermentation, selenium dependent growth, Clostridium purinolyticum 12449.
HeLa cells, interaction, Salmonella typhimurium, chemotaxis 8375.
Micrococcus varians, Bacillus licheniformis, effects on enzymes activity 8613.
Rhodopseudomonas acidophila, nitrogen metabolism, aminotransferase 1545.

Glycine decarboxylase,
Nocardia butanica, biosynthesis, magnesium phosphate, effects on 3989.

Glycine max,
acetylene reduction, nitrogenase, Rhizobium 5518.
blight, Pseudomonas glycinea, seasonal variations, growth 7302.
carbon dioxide, uptake, nodules, Rhizobium japonicum, association, amino acids biosynthesis 6422.
cell culture, glyceollin biosynthesis, induction, Pseudomonas syringae 12110.
charcoal rot disease resistance, phytoalexins production, relationship, Rhizobium japonicum interaction Macrophomina phaseolina 4636.
crop rotation, Sorghum bicolor, effects on, nitrogen fixation, yield 13486.
cultivars, leaves, seasonal variations, occurence, Pseudomonas syringae pv.glycinea 13436.
cultivars, yield, Rhizobium japonicum, inoculation, soil, effects on 2447.
developmental stages, association, nitrogen fixation, Rhizobium nodules 2469.
disease resistance, immobilization role, Pseudomonas syringae pv.glycinea infection 10749.
foliar applications Rhizobium japonicum, nitrogen fixation, fertilizers 8207.
growth, nitrogen assimilation, cotyledons effects on 2470.
growth, nitrogen fixation, temperature, nitrates, effects on 4640.
hypersensitivity, disease resistance, Pseudomonas glycinea, temperature effects 3672.
hypersensitivity, Pseudomonas syringae, inhibition, blasticidin S, streptomycin, temperature 5504.
infection, mycorrhizas± Rhizobium, effects on nodulation 10763.
inoculation, nodulation, methodology, field trials 10779.
inoculation Rhizobium, nodulation, nitrogen fixation, Senegal 9443.
interaction, Rhizobium, association, nitrogen fixation 10773.
isoflavonoids effects on bacteria growth 12091.
isolates, Rhizobium japonicum, utilization, alcohols, aldehydes 3719.
nitrogen cycle, symbiosis, nitrifying bacteria, effects on 7314.
nitrogen fixation assays, hydroponics 5536.
nitrogen fixation, association, allantoin biosynthesis, Rhizobium japonicum 8170.
nitrogen fixation, effects on, nitrogen, uptake, transport 13487.
nitrogen fixation, growth, Rhizobium japonicum, phosphorus, Glomus fasciculatus, effects on 2458.
nitrogen fixation, phosphate, mobilization 3718.
nitrogen fixation, Rhizobium japonicum, inoculation, coal adsorption 12128.
nitrogen fixation, Rhizobium japonicum, measurements 12135.
nodulation, nitrogen fixation, nitrate, effects on 4626.
nodulation, nitrogen fixation, Rhizobium japonicum, Trinidad 1188.
nodulation, Rhizobium, acid rain effects on 1207.
nodulation, Rhizobium japonicum, association, nitrogen fixation 10799.
nodulation, Rhizobium japonicum, cytology 10770.
nodulation, Rhizobium japonicum, interaction soil microorganisms, fungi, mycotoxins, effects on 8156.
nodulation, Rhizobium japonicum, Ivory Coast 9444.
nodulation, Rhizobium, salinity effects on 5515.
nodulation, symbiosis, Rhizobium japonicum selection 5517.
nodules, nitrogen fixation, nitrogen fertilizers effects on nodulation, allantoin biosynthesis, transport 2436.
nodules, nitrogen fixation, respiration, hydrogen uptake positive Rhizobium japonicum effects on 1181.
pesticides, seed treatments, effects on, Rhizobium japonicum 8162.
phytoalexins, characterization, antibacterial activity 3102.
plant extracts, effects on, nitrogen fixation, Rhizobium japonicum 2448.
Pseudomonas glycinea infection, necrosis inhibition, blacticidin S, disease resistance 2404.
Pseudomonas syringae infection, etiology, characterization 9415.
Pseudomonas syringae pv.glycinea, leaf blight, disease resistance, immobilization role 13440.
Rhizobium, acid, alkaline, reactions, biochemical analysis 2579.
+Rhizobium japonicum, ± irrigation, effects on, yield, USA, North Carolina 1225.
Rhizobium japonicum hydrogenase nodulation, effects on seeds nitrogen content, yield 2454.
Rhizobium japonicum, nitrogen fixation, modulation, soil moisture effects on 9470.
+Rhizobium japonicum, nodulation, association, inoculation rates 2460.
Rhizobium japonicum, symbiosis 3682.
Rhizobium nodulation, Azotobacter vinelandii proteins effects on 5528.
Rhizobium nodules, nitrogen fixation, association, phosphorus requirements 5535.
Rhizobium, quality, γ radiation, steam, sterilization, effects on 2463.
Rhizobium, symbiosis, soil, acidity, tolerance, factors affecting 2437.
roots, nodulation, respiration, nitrogen fixation 3687.
strains, effects on Rhizobium nitrogen fixation 5523.
symbiosis, Rhizobium, soil moisture effects on 1223.
varieties, nodulation, Rhizobium japonicum strains 13493.
wastewater treatment, single-cell protein amino acid composition, Rhodopseudomonas gelatinosa 6614.

Glycine wightii,
isolates, Pseudomonas syringae pv.glycinea, toxins production, pathogenicity 6858.

Glycine wrightii,
nodulation, Rhizobium 3690.

Glycine-oxaloacetate aminotransferase,
Micrococcus varians, Bacillus licheniformis, glycine effects on activity 8613.

Glycoalkaloids,
Solanum tuberosum, transformation, rumen microorganisms, cattle 2328.

Glycocalyx,
staphylococcus aureus, morphology, function, electron microscopy 5621.

Glycocholate,
- radioactive labelling, respiration, diagnosis diarrhea, man 11790

Glycogen,
- isolation, poly(β-hydroxybutyric acid), metabolism, developmental stages, Nocardia asteroides 6523

Glycogenesis type Ib,
- recurrent infection, Staphylococcus, association, leukocytes (neutrophilic) migration, adherence, man, case reports 600

Glycolipids,
- antigens, hemagglutination, detection, tuberculosis, man 1974
- characterization, phosphatidylglycerol temperature-sensitive mutant, Escherichia coli 4952.
- lipoteichoic acid, Streptococcus pyogenes, cytotoxicity, heart cells, man 12696.
- Mycobacterium leprae, antigenic characteristics 13011
- Mycobacterium leprae, oligosaccharides, isolation, characterization 219.
- structure, Salmonella typhimurium, association, tumors regression, endotoxins activity 11239
- Thermus, carbohydrate composition, characterization 5807

Glycolipoproteins,
- Pseudomonas aeruginosa, slimes, activation, complement alternative pathway, man 2733.
- Pseudomonas aeruginosa slimes, polysaccharides isolation, characterization 220

Glycollate oxidase,
- biosynthesis, Thiobacillus neopolitanus, characterization 5643

N-Glycolloylneuraminic acid,
- neuraminidase, enzyme kinetics, bacteria 1527

Glycolysis,
- antibiotic AS-40 biosynthesis, Streptomyces 8752
- antileprotic drugs effects on, Mycobacterium leprae infection treatment, animal models 6074
- dental plaque bacteria, inhibition, mouthwashes 5277.
- heart, dogs, Escherichia coli, endotoxins, effects on 3133.
- Propionibacterium shermanii, association pyruvate kinase activity 12653.

Glycopeptides,
- antibacterial activity, in vitro, bacteria isolation, amniotic fluid, man 10047

Glycoprotein biosynthesis,
- Streptococcus pyogenes, inhibitors 9704.

Glycoprotein composition,
- cell membranes, Staphylococcus aureus, antigens, mitogenicity, mice, hypersensitivity (delayed) 5219

Glycoprotein degradation,
- bacteria, glycosidases, cecum, isolation, role, rats 2331

Glycoproteins,
- Aspergillus nidulans, antibiotic synergism, sterigmatocystin, antibacterial activity, Bacillus subtilis 8788
- Aspergillus nidulans, antibiotic synergism, sterigmatocystin, antibacterial activity, gram-positive bacteria 8789
- Bacillus megaterium, Escherichia coli, chemotactic factors, hemocytes, Crassostrea virginica 8634
- biodegradation, shigella flexneri, intestine, characterization, mice 5677
- Brevibacterium linens cytoplasmic membranes, isolation, characterization 11099.
- cell surface, immunoglobulin G, antigen-antibody interactions, rabbits cold agglutinins Streptococcus group C 6113.
- Halobacterium halobium, carbohydrate composition, structure 5805
- Mycobacterium-intracellulare-scrofulaceum, antigens, immunogenicity, antibody response, rabbits 6890.
- Mycoplasma pulmonis cell surface, binding mammalian cells receptors, role virulence 10169
- surfaces, role, Chlamydia psittaci, attachment, L cells 2588

Glycosaminoglycans,
- prevention, urinary tract infection, association, bacteria adherence, man 7047
- rabbits urinary bladder, antibacterial activity, effects on bacteria adherence, animal models 6226

Glycosidase,
- activity, alveoli macrophages, Corynebacterium parvum activation effects on, guinea-pigs 9003

Glycosidases,
- bacteria, cecum, isolation, role, glycoprotein degradation, rats 2331.

Glycosylation,
- activity, enzymes, carbohydrates media effects on rumen microorganisms bacteria isolates 9789

Glycosylsucrose,
- effects on dental plaque pH, man 4369

Glycyrrhizinic acid,
- treatment, bronchitis, children 3316.

Glyoxylate,
- biosynthesis, Protaminobacter ruber, coenzyme A 4791
- mechanisms threonine dehydratase, Escherichia coli, 4064
- shunts, Escherichia coli, mutants, fadR gene, acetic acid transport, utilization 1617.

Glyoxylate cycle,
- Pseudomonas aeruginosa, DDT biodegradation 11001.
- suppression, Alnus glutinosa, Hippophae rhamnoides, nodules, Frankia symbiosis 10783.

Glyoxylic acid,
- shunts, gene regulation, enzymes, Escherichia coli 6719.

GMP,
- gua operon, repression, Escherichia coli, mutants 1590.

Gnotobiotic (specific pathogen free),
- comparison, gnotobiotics (germfree), association, Microflora, mice 10725.

Gnotobiotics,
- Bordetella bronchiseptica infection, oxytetracycline treatment, juveniles, pigs 12081
- cereals, rhizosphere, bacteria, growth, interaction 3684.
- defense mechanisms, intestinal microflora, bacteria infection, animal models 8122.
- dogs, animal models, pathogenesis, colitis, Campylobacter jejuni 12079.
- Enterobacteriaceae effects on γ radiation mortality, mice 10726.
- Hordeum vulgare, rhizosphere, colonization, population growth, Pseudomonas, Mycoplana, Curtobacterium 4629.
- intestinal microflora metabolism phytic acid, rats 9328.
- intestinal microflora role carrageenan induction carcinoma, rats 10723.
- intestine, Streptococcus equinus, role, amoscanate transformation, mutagens, mice 12080.
- laboratory animals, intestinal microflora role nutrition 9376.
- Lactobacillus acidophilus, Lactobacillus salivarius, Lactobacillus fermentum,

Gnotobiotics, (continued)
- effects on, energy, proteins, retention, chickens 2398.
- Lactobacillus, oral administration effects on indican urine excretion, rats 7227.
- mice, Clostridium establishment, inhibiton, soybeans diets 7290.
- mice, gastrointestinal tract, Escherichia coli strains antagonism 13415.
- Mycoplasma infection, larynx pathology, rats 11746.
- neonates, Lactobacillus, intestinal microflora, establishment, maternal transfer, diets, fatty acid composition, effects on 1123.
- pertussis vaccines, lymphocytosis, sphenomegaly, mice 9031.
- pigs production, relationship, antigens 10728.
- rats, carcinogenicity testing, Streptococcus, oral cavity isolates 3647.
- rats, cariogenicity, Streptococcus salivarias, Streptococcus milleri 4376.
- rats, dental caries, streptococcus mutans, dental pulp response 6383.
- rats, dental plaque isolates induction carcinoma 2036.
- rats, gastrointestinal tract infection, lactic acid bacteria colonization 9375
- rats, Streptococcus mutans, Lactobacillus casei, virulence, colonization, dental caries 1124
- sheep, juveniles, growth, rumen microorganisms, function 6380.
- Streptococcus faecium, adherence, epithelium, duodenum, role, colonization, chickens 3809

Gnotobiotics (germ-free),
- colonization, Escherichia coli, intestinal microflora, mice 3560.
- rats, dental caries, xylitol, palatinit, sucrose, diets, effects on 3649
- reviews, colon microflora effects on, intestine epithelium, physiology, man 11659.

Gnotobiotics (germfree),
- animals, use, characterization, man fecal microflora 6939.
- cells, small intestine epithelium, Lactobacillus, Torulopsis pintolopesii, movement rates, gnotobiotics (germfree) cells effects on, mice 10724.
- comparison, gnotobiotic (specific pathogen free), association, Microflora, mice 10725.
- Escherichia coli, antagonism, Lactobacillus, digestive tract, sheep 1125.
- mice, intestinal microflora, animal models 4538.
- mice, intestine, Bacillus subtilis, Clostridium difficile, Latrobacillus, effects on 1122.
- mice, intestine microflora effects on levels, alkaline phosphatase, proteins 10636.
- rabbits, Vibrio cholerae, toxins, antigen O, effects on 1825
- rats, Actinomyces viscosus, Streptococcus mutans, growth, adherence, teeth 4593.
- rats, urobilins production, use, bilirubin 4594.
- rats, use, characterization, intestinal microflora association Crohn's disease, man 6938
- treatment, Corynebacterium parvum, effects on peritoneal exudate cells antitumor activity, immunoregulation, mice 9005

Gnotobiotics (specific pathogen free),
- Mycobacterium habana, Mycobacterium simiae, experimental infection, immune response (cell-mediated), suppressor cells, lung, mice 6063.
- Mycobacterium leprae, laboratory animals, armadillos 3648.
- pigs, pneumonia, differential diagnosis, Haemophilus pleuropneumoniae, Haemophilus parasuis, Pasteurella haemolytica like microorganisms, pigs 3589.
- pigs, swine dysentery, Treponema hyodysenteriae± aflatoxins, food additives, effects on 2376.
- sheep, juveniles, Mycoplasma ovipneumoniae strains effects on 8124.
- sheep, juveniles, pathogenicity, infection, Mycoplasma ovipneumoniae, Pasteurella haemolytica 8123.
- Treponema hyodysenteriae, identification, swine dysentery, pigs 6339.

Goats,
- abortion, bacteria, prophylaxis, Cyprus 1087.
- agalactia, Mycoplasma infection, pathogenesis 13378
- brucellosis, abortion, Brucella melitensis, Brucella abortus 7263.
- brucellosis, vaccines production, immunological aspects 11637.
- Clostridium difficile, isolation 4551.
- contagious caprine pleuropneumonia, Mycoplasma mycoides subsp.mycoides, treatment, streptomycin, penicillin 7280
- heartwater, Cowdria ruminantium infection, association, plasma pigmentation 9345.
- infection, Corynebacterium pseudotuberculosis, strains characterization 8310.
- infection, Mycobacterium paratuberculosis, paratuberculosis, case reports 9352.
- isolates, Mycoplasma mycoides subsp.mycoides, role, cross-resistance, Mycoplasma mycoides subsp.capri infection, mice 3249.
- mammary gland infection, Staphylococcus aureus, relationship, diploidy cell number, cell volume 10672
- mastitis, Staphylococcus, Streptococcus, diagnosis 7271.
- Mycoplasma agalactiae, agalactia, characterization, Senegal 3564.
- Mycoplasma mycoides subsp. mycoides, contagious caprine pleuropneumonia, 651.
- Mycoplasma mycoides subsp.mycoides, infection 9333.
- Mycoplasma putrefaciens seroepidemiology, USA, California 1080.
- outbreaks, epizootics, Mycoplasma mycoides subsp.mycoides 10687.
- paratuberculosis, characterization, case reports 7251.
- paratuberculosis, characterization, diagnosis, case reports 7253.
- tetanus, pathology, clinical aspects 10085.
- vaccination, antibody response, foot-and-mouth disease virus antigens, cloning Escherichia coli 9828
- virulence, endotoxins, Mycoplasma mycoides subsp.mycoides extracts 10123.

Gold,
- ores deposits, bacteria, contamination, USSR 8165.

Gonorrhea,
- ampiox treatment, clinical aspects, man, children 10437
- antibiotic resistance, man 10006.
- antibiotics treatment, man 7075.
- antibodies, detection, enzyme-linked immunosorbent assay, use, Neisseria gonorrhoeae cells, man 505
- association, genitourinary tract inflammatory diseases, incidence, females, man 2160.
- association, penis abscesses, treatment, man 2147.
- bacampicillin treatment, man 13226
- cefotaxime treatment, man 6244
- cervix secretions, detection, Limulus lysate test, man 2163.
- clinical aspects, diagnosis, treatment, man 11856.
- diagnosis, epidemiology, treatment, man, reviews 2156.
- diagnosis, man 9182.
- disease control, clinical manifestations, man, reviews 2166.
- epidemiology, man, Africa 2173.
- epidemiology, man, Greece 909.
- epidemiology, mathematical models, man 10438.
- epidemiology, Neisseria gonorrhoeae, plasmids characterization, man, British Isles 13242.

Gonorrhea, (continued)
immune response (humoral), man 545.
immunodiagnosis, radioimmunoassay, enzyme-linked immunosorbent assay, man 11527.
incidence, homosexuality, females 921.
incidence, man, Korea 13244.
incidence, serotypes, antibiotic sensitivity testing, homosexuals, man 2138.
lymphadenopathy, man 13246.
man, infection, Neisseria gonorrhoeae, characterization 9185.
man, sexually-transmitted diseases, epidemiology, world 13236.
Neisseria gonorrhoeae, association, Chlamydia trachomatis, treatment, rosoxacin, antibacterial activity, man 2177.
Neisseria gonorrhoeae, clinical isolates, colonial characteristics, man 1367.
Neisseria gonorrhoeae, diagnosis, man 4447.
Neisseria gonorrhoeae, diagnosis, sex differences, man 2136.
Neisseria gonorrhoeae, lymphocytes B, lymphocytes T, levels, females, man 6247.
Neisseria gonorrhoeae, rosoxacin, dose-response effects, females, man 7083.
Neisseria gonorrhoeae, seroepidemiology, sexually-transmitted diseases, homosexuality, man 10435.
Neisseria gonorrhoeae, treatment, jenacillin A, probenecid, man 2171.
Neisseria gonorrhoeae virulence, comparison, toxic shock syndrome, adolescents, man 10441
pathogenesis, man, reviews 8024.
pathology, fetuses, man 7078
penicillinase, man, Singapore, epidemiology 2169
penicillinase production, man, surveys, France 13243
pharynx, man, case surveys 5303.
pharynx, Neisseria gonorrhoeae, penicillinase production, treatment, man 8029.
pili, immunogenicity, clinical trials, man, characterization 6058.
prophylaxis, vaccines, man 3257.
relationship, sexual behavior, incidence, man 7086.
screening, man, females 5350.
screening, relationship, prophylaxis, pregnancy, man, Malaysia 927.
sexually-transmitted diseases, man, Spain, surveys 2146.
sexually-transmitted diseases, man, Zimbabwe, incidence 2170.
treatment, biseptol-480, females, man 2145.
treatment, ceftriaxone, man 11853.
treatment, doxycycline, man 928.
treatment, epidemiology, man, case surveys, British Isles 8028.
treatment, erythromycin, Lubomycin B, man 5095.
treatment, man 9183.
treatment, man, reviews 13224.
treatment, piperacillin, comparison, penicillin, man 8026.
treatment, rifampicin, man 5346.
treatment, tetracycline, doxycycline, man 13229.
urethritis, diagnosis, immunoprecipitation, man 13249.

Goodpasture's syndrome,
poststreptococcal glomerulonephritis presentation, man, case reports 6221.

Gopherus agassizi,
Pasteurella testudinis sp.nov., isolation, characterization 8350.

Gossypium,
occupational exposure, byssinosis, gram-negative bacteria, etiology, toxins, man, reviews 9121

Gossypium hirsutum,
Azotobacter chroococcum effects on seeds germination 13496.
Azotobacter chroococcum seed treatments, roots specificity 13497.
black arm disease, Xanthomonas malvacearum, Paraguay 4613.
blight, Xanthomonas malvacearum, role, cell surface slimes 9409.
cotyledons, ultrastructure, blight, Xanthomonas campestris pv.malvacearum 12107.
disease resistance, phytoalexins, effects on, Xanthomonas campestris pv.malvacearum 13442.
hypersensitivity, Xanthomonas oryzae, polysaccharides, role 3667.
interaction, Xanthomonas campestris pv.malvacearum, blight, ultrastructure 12101.
rhizosphere, colonization, Azotobacter, manure soil amendment effects on 5529.
Xanthomonas malvacearum blight, disease transmission, Earias feeding 10738.

Gout,
association, arthritis, case reports, man, Streptococcus pneumoniae 943.

Gradients,
pH, Escherichia coli, potassium transport gradients 57.
protons, Mycoplasma membranes 3812.

Graft-versus-host reaction,
prophylaxis, antibiotics sterilization, heart valves replacement, man 1006.

Grafting,
artery, postoperative infection, antibiotic prophylaxis, diagnosis, man 3454.

Grafts,
aorta, infection, diagnosis, leukocytes uptake, man 1000.
blood vessels, dogs, Staphylococcus aureus experimental infection, treatment, oxacillin bonding 13403.
polytetrafluoroethylene, Enterobacteriaceae, adherence, role, pathogenesis, characterization 9606

Grain,
protein composition, Sorghum vulgare, nitrogen soil applications effects on 1221.

Gram stain,
bacteria, cerebrospinal fluid, detection, man 2112.
bacteria identification methodology, pathogens, saprophytes, plants 10891.
detection, bacteria, antigens, xanthogranulomatous pyelonephritis, man 3400.
detection, opportunistic infection, actinomycetes, Protozoa, cervix, intrauterine devices, man 3385.
diagnosis, meningitis, man 3409.
diagnosis, Streptococcus pneumoniae pneumonia, treatment, man 9125.
identification, Enterobacteriaceae, urine 9559.
marine microorganisms, methodology 12245.
methodology 3790.
methodology, etiology, otitis media, Streptococcus pneumoniae, Haemophilus influenzae, man 775.

Gram-negative bacilli,
acute nonlymphocytic leukemia, surveillance, epidemiology, bacteremia, man 11920.
antibacterial activity, antibiotic SQ26,776 6805.
antibacterial activity, moxalactam, cefotaxime, in vitro 1718.
antibiotic resistance, gentamicin, nosocomial infection, bacteremia, risk factors, man 1020.
antibiotic sensitivity testing 11385.
antibiotic sensitivity testing, methodology 6780.
antibiotics, antibacterial agents, susceptibility, relationship use 5052
bacteremia, clinical aspects, man 5411.
bacteremia, nosocomial infection, epidemiology, man, reviews 11867.
binding, C-reactive protein, man 10959

Gram-negative bacilli, (continued)
ceftazidime, antibacterial activity, nosocomial environments 324.
clinical isolates, antibacterial activity, mezlocillin 12894.
endotoxins, induction, hypotension, neutralization, serum, rabbits 10263.
enteric bacteria, antibiotic sensitivity testing, methodology 1700.
fermentation, identification, computer applications, methodology 9555.
gastrointestinal tract, association, respiratory tract postoperative infection, man 13149.
growth, hemin, effects on, association, colistin 7768.
infection, association, multiple myeloma, man 10454.
isolation, characterization, soft tissues infection, cats, dogs 9570.
meningitis, diagnosis, treatment, clinical aspects, man 7072.
meningitis, etiology, infants, reviews 2131.
meningitis, treatment, cephalosporins, aminoglycoside antibiotics, man 905.
meningitis, treatment, moxalactam, man 887.
moxalactam, comparison, thienamycin, antibacterial activity 8766.
nosocomial infection, risk factors, neonates, man 11924.
periodontal diseases, diagnosis, children 13105.
pneumonia, aspiration, geriatrics 758.
pneumonia, man 11740.
pneumonia, nosocomial infection, epidemiology, etiology, man, reviews 11699.
pneumonia, treatment, ceftriaxone, man 8051.
postoperative infection, cerebrospinal fluid shunts, hydrocephalus, children 2261.
temocillin, antibacterial activity, characterization 8764.
thienamycin, antibacterial activity, comparison, antibiotics 9937.

Gram-negative bacteria,
aminoglycoside antibiotics, antibacterial activity, treatment, man 6781.
anaerobic microorganisms, rods, taxonomy 8327.
anaerobic microorganisms, rods, taxonomy 8329.
animal isolates, identification methodology 9562.
antibacterial activity, aminoglycoside antibiotics 7772.
antibacterial activity, aminoglycoside antibiotics 9940.
antibacterial activity, ampicillin, amoxycillin, in vitro, treatment, infection, mice 4563.
antibacterial activity, antibiotic FR-31564+antibiotics, antibiotic synergism 2997.
antibacterial activity, antibiotic SF-1739, naphthocyanidine 7809.
antibacterial activity, antibiotic YM09330, cephamycins 9966.
antibacterial activity, asparenomycins 7796.
antibacterial activity, cefotaxime derivatives, structure-activity relationships 5058.
antibacterial activity, ceftazidime, antibiotic sensitivity testing 5092.
antibacterial activity, ceftazidime comparison β-lactam antibiotics 5073.
antibacterial activity, cephalosporins 9933.
antibacterial activity, josamycin 3030.
antibacterial activity, mycaminosyl tylonolide, antibacterial activity, 4'-deoxymycaminosyl tylonolide, derivatives, structure-activity relationships 7814.
antibacterial activity, N-formimidoyl thienamycin, stability, penicillinase, comparison cephalosporins 12906.
antibacterial activity, nalidixic acid analogs 10031.
antibacterial activity, piperacillin, ticarcillin, carbenicillin, in vitro 356.
antibacterial activity, proteins, Galleria mellonella, Hyalophora cecropia, Lepidoptera, immunity (humoral) 3227.
antibacterial activity, tetracyclines, in vitro 373.
antibacterial activity, 1-oxacephem derivatives, synthesis 11403.
antibiotic resistance, amikacin, gentamicin, tobramycin, hospitals, Canada 1753.
antibiotic resistance, cephalosporins 5112.
antibiotic resistance, gentamicin 1751.
antibiotic resistance, role membrane permeability 5939.
antibiotic sensitivity testing, aminoglycoside antibiotics, enzymes effects on 1751.
antibiotics, bacteriostasis 12879.
antimicrobial activity, N-(4-phenyl-3-methyl-2-butenyl)carbnonoxymethylpyperidinium-chloride 12942.
antimicrobial activity, orthomercaptoazo compounds 3091.
antimicrobial activity, synergisidin 1797.
arthritis, spondylodiscitis, incidence, man, France 4462.
association, cotton, electron microscopy, ultrastructure 5604.
association endotoxins, induction biliary tract diseases, rats 12976.
Bacillus, pneumonia, nosocomial infection, prophylaxis, man 7979.
bacteremia, nosocomial infection, vaccination, clinical trials, man 11636.
bacteremia, prophylaxis, vaccines, man 3257.
biochemical characteristics, identification, API test, blood culture 12256.
bronchopulmonary infection, sisomicin aerosols treatment, man 10352.
2,3-butanedione, antimicrobial activity 11462.
byssinosis, etiology, toxins, occupational exposure, Gossypium, man, reviews 9121.
carbenicillin, ticarcillin, antibacterial activity, bactericidal activity 1707.
cefmetazole, antibacterial activity, serum levels, man, high-performance liquid chromatography 9947.
cefotaxime, antibacterial activity 5915.
cefotaxime antibacterial activity, structure-activity relationships 5913.
ceftazidime, antibacterial activity 5084.
cell membranes, cephalosporin, oxacephalosporin, penetration, role, antibacterial activity 6496.
cephalosporins, antibacterial activity 12901.
chloramphenicol+ampicillin, antibiotic synergism 5109.
clinical isolates, aminoglycoside antibiotics antibiotic resistance, role plasmids, enzymes 5946.
clinical isolates, antibacterial activity, β-lactam antibiotics, ceftazidime, ceftriaxone 5072.
clinical isolates, antibacterial activity, aminoglycoside antibiotics, antibiotic resistance 4168.
clinical isolates, antibacterial activity, ceftazidime, comparison cephalosporins 5069.
clinical isolates, antibacterial activity, ceftazidime, comparison β-lactam antibiotics, aminoglycoside antibiotics, cephalosporins 5071.
clinical isolates, antibacterial activity, ceftazidime 5088.
clinical isolates, antibacterial activity, ceftazidime, disc-dilution test 5091.
clinical isolates, antibacterial activity, ceftazidime comparison gentamicin, cephalosporin antibiotics 5910.
clinical isolates, antibiotic resistance, cefoperazone, antibacterial activity, cefotaxime, moxalactam, gentamicin 9934.
clinical isolates, antibiotic sensitivity testing, cefotaxime 5057.

Gram-negative bacteria, (continued)
- clinical isolates, antibiotic sensitivity testing, cefoperazone 11375.
- clinical isolates, antibiotic Win 42122-2, antibacterial activity 3037.
- clinical isolates, ceftazidime, moxalactam, antibacterial activity 5108.
- clinical isolates, R factors, penicillinase, incidence, hospitals, man, surveys 2952.
- colonization, oropharynx, antibiotic therapy, role, pneumonia, nosocomial infection, man 3341
- cystitis, treatment, nalidixic acid, man 4431
- DNA assays, methodology 8740.
- drug resistance, chloramphenicol, plasmids, role, membrane permeability 2597
- drug sensitivity testing, methodology comparison 8850.
- egg shells isolates, survival, washing, temperature, pH, detergents, effects on 5125.
- endocarditis, postoperative infection, heart surgery, man 5420.
- endotoxemia, association, hepatitis, Limulus lysate test, man 5163.
- endotoxemia, bacteremia, diagnosis, neonates, man, limulus lysate test, evaluation 1816.
- endotoxins, composting, sewage sludge, occupational exposure, man 3688.
- endotoxins, cotton fibers, electron microscopy 3131
- endotoxins, induction suppressor cells, immunological tolerance, mice 11519.
- endotoxins, inhalation, pathology, reviews 490
- endotoxins, plants phylloplane, byssinosis, occupational exposure 12980
- Enterobacteriaceae, infection, man, antibacterial activity, cefotaxime 8074.
- etiology, dental infection, man 1951
- etiology, endocarditis, man 2182
- experimental infection, antibacterial activity, ceftazidime, β-lactam antibiotics, gentamicin, mice 5438
- experimental infection, mezlocillin treatment, mice 13261.
- experimental infection, treatment, ceftriaxone, antibacterial activity, mice 3567
- fatty acid composition, isolation, sediments, methodology 12712.
- fermentation, clinical aspects, identification, isolation 10897
- N-formimidoyl thienamycin antibacterial activity, stability, penicillinase 5114
- gentamicin antibiotic resistance, isolation, animals 9992
- gram-positive bacteria, adherence, endothelium, heart, animals, tissue culture 2621.
- identification, clinical microbiology 5579
- identification, taxonomy, cultural characteristics 6474
- identification, Voges-Proskauer test, fumarate reagents 10888.
- induction, lymphocytes B activation, clinical isolates, periodontal diseases 6101
- infection, aminoglycoside antibiotics, treatment, prophylaxis, man 12002
- infection, cefoperazone treatment, clinical trials, man 10619.
- infection, cefotaxime treatment, children 6296
- infection, cefotaxime treatment, man 6280
- infection, horses, endotoxemia, treatment 10126.
- infection, man, bacteriuria, association mortality 8000.
- infection, man, meningitis, moxalactam treatment 9168.
- infection, man, pneumonia, association alcoholism 9089.
- infection, man, treatment, sisomicin, comparison, gentamicin 10602.
- infection, moxalactam treatment, man 9310
- infection, netilmicin treatment, man 10617
- infection, Perca fluviatilis, lakes, France 5468
- infection, tetracyclines treatment, man 11942
- infection, treatment, cefotaxime+amikacin, immunocompromised hosts, leukemia, man 6277
- infection, treatment, ceftazidime, man 5441
- infection, treatment, cinoxacin, urinary tract, man 874.
- infection, treatment, clindamycin, lincomycin, man 10603.
- infection, treatment, netilmicin, man 975
- infection, treatment, sisomycin+ampicillin, man 984
- infection, treatment, ticaricillin, cotrimoxazole, cancer patients 9296
- intestinal microflora, Tilapia mossambica 12031.
- isolation intensive care units, role nosocomial infection, man 10480
- β-lactam antibiotics, antibacterial activity, inactivation, penicillinase, screening 3017.
- β-lactam antibiotics antibiotic resistance, penicillinase, membrane permeability, periplasmic space 10015.
- lipopolysaccharides, monoclonal antibodies, specificity, idiotypes 10159
- lysis Bdellovibrio, host-parasite interactions, waste water 9423.
- mastitis, cattle, control programs 7259
- meningitis, cefotaxime treatment, pharmacokinetics, children 6232.
- meningitis, man, case surveys 3407
- meningitis, treatment, cephalosporins, man 3419.
- meningitis, treatment, man 2114.
- 7α-methoxy-7β-vinylenethioacetamido cephalosporins, antibacterial activity, synthesis, structure-activity relationships 9953.
- norfloxacin, comparison, β-lactam antibiotics, aminoglycoside antibiotics, trimethoprim, antibacterial activity 8825.
- nosocomial infection, gentamicin antibiotic resistance, R factors, man 10007.
- nosocomial infection, hospitals man 10470.
- nosocomial infection, sinusitis, treatment, man 9112.
- oropharynx colonization, pneumonia, man, hospitals 9116.
- otitis, diagnosis, treatment, antibiotics, man 766.
- otolaryngeal infection, man, treatment, aminoglycoside antibiotics 11710.
- outer membranes extracts, immune response, association, monoclonal antibodies, mice 11594
- 1-oxacephem derivatives antibacterial activity 7795.
- oxidasepositive gram-negative bacteria, identification, AutoMicrobic test 2539
- pathogenicity, Galleria mellonella 8129.
- pathogens, viability, fermentation, food processing wastes, Lactobacillus acidophilus, effects on 2647.
- penicillinase, β-lactam antibiotics stability 9955.
- penicillinase, interaction, β-lactam antibiotics 9913.
- pentachlorophenol drug resistance, characterization, pentachlorophenol degradation 5145.
- phytoalexins, drug sensitivity testing 5133.
- Picea, resins, effects on 1769.
- pneumonia, diagnosis, man 13147.
- pneumonia, etiology, clinical aspects, radiology, man 7975.
- pneumonia, nosocomial infection, association, respirators, incidence, etiology, man 11701.
- pneumonia, nosocomial infection, treatment, tobramycin, man 5294.
- pneumonia, treatment, cephalosporins, dogs 8093.
- pollutants biodegradation, screening 11000.

Gram-negative bacteria, (continued)
- postoperative infection, cefazolin prophylaxis, man 13259.
- prostatitis, diagnosis, radioimmunoassay, solid phase methods, man 8911.
- pseudomembranous colitis, children, pathogenesis 13163.
- Pseudomonas aeruginosa, IncP-1 plasmid, transfer, frequency, insertion sequences, genetic analysis 2927.
- respiratory tract diseases, association, immunocompromised hosts, man 10174.
- respiratory tract infection, aminoglycoside antibiotics treatment, pharmacokinetics, man 13118.
- sepsis, antibiotic resistance, cefotaxime, clinical trials, man 7155.
- sepsis, association, burn patients, gentamicin, serum levels, treatment, man 10505.
- sepsis, association, jaundice, man, case reports 9206.
- septic shock, endotoxins, effects on circulation, lymph dynamics, rats 3152.
- septicemia, epidemiology, man 9272.
- septicemia, geriatrics, man 5369.
- septicemia, netilmitin, antibacterial activity, man 7113.
- septicemia, respiratory tract infection, mezlocillin treatment, man 13130.
- septicemia, susceptibility, relationship, lysozyme levels, blood, umbilical cord, neonates, man 2290
- septicemia, treatment cefotaxime, man 6270.
- soil microorganisms, soil solarization effects on 7327.
- sulfanilamide drug resistance, R factors 10059.
- superinfection, immune response, man 6900.
- susceptibility, clindamycin antibacterial activity, man 11416.
- thienamycin, antibacterial activity, comparison, antibiotics 9937.
- toxins, food poisoning, epidemiology, sanitation, man 10097
- transformation, reviews 8693
- treatment, aminoglycoside antibiotics, gram-negative bacteria infection, man 12002.
- tuf gene, duplication, gram-positive bacteria, gene mapping 2871.
- urinary tract infection, man, diagnosis, pathology, localization 11798.
- urinary tract infection, piperacillin, antibacterial activity, clinical trials, man 9146.
- urinary tract infection, pyelonephritis, treatment, fosfomycin, man 7051.
- urinary tract infection, treatment, flumequine, nitrofurantoin, man 2056.

Gram-negative cocci,
- association, pyomyositis abscesses, man, Thailand 4477.
- binding, C-reactive protein, man 10959.

Gram-positive bacilli,
- anaerobic bacteria, isolation, culture, identification 10915.
- comparison, Staphylococcus aureus, transfer, plasmids, antibiotic resistance, tetracycline 9901.

Gram-positive bacteria,
- antibacterial activity, aminoglycoside antibiotics 9940.
- antibacterial activity, asparenomycins 7796.
- antibacterial activity, Aspergillus nidulans glycoproteins, antibiotic synergism, sterigmatocystin 8789.
- antibacterial activity, cefoperazone, cefotaxime, moxalactam, gentamicin 9934.
- antibacterial activity, cefotaxime derivatives, structure-activity relationships 5058.
- antibacterial activity, ceftazidime, antibiotic sensitivity testing 5092.
- antibacterial activity, ceftazidime comparison β-lactam antibiotics 5073.
- antibacterial activity, clindamycin, cefotaxime, moxalactam, N-formimidoyl thienamycin, ampicillin, oxacillin, vancomycin 1716.
- antibacterial activity, di(nitroetyl)sulfide 8844.
- antibacterial activity, N-methylnitrone, nitrovinyl, derivatives, structure-activity relationships 8839.
- antibacterial activity, rubeomycin, biosynthesis, Actinomadura roseoviolacea var.biwakoensis 4159.
- antibacterial activity, salicylanilide derivatives, synthesis 4213.
- antibacterial activity, structure, ogon, Scutellaria baicalensis 3096.
- antibacterial activity, tetronomycin 7739.
- antibiotic resistance, role membrane permeability 5939.
- antibiotic sensitivity testing, in vitro 9924.
- antibiotics, bacteriostasis 12879.
- antimicrobial activity, N-(4-phenyl-3-methyl-2-butenyl)carbnonoxymethylpyperidinium-chloride 12942.
- antimicrobial activity, orthomercaptoazo compounds 3091.
- antimicrobial activity, synergisidin 1797.
- asporogenous, media (isolation) 10854
- asporogenous, media (isolation), methodology 7360.
- bone resorption, noma, man 9223
- 2,3-butanedione, antimicrobial activity 11462.
- cefmetazole, antibacterial activity, serum levels, man, high-performance liquid chromatography 9947.
- ceftazidime, antibacterial activity 5084
- cell walls, growth, chromosomes, replication, coupling 1345.
- clinical isolates, antibacterial activity, β-lactam antibiotics, ceftazidime, ceftriaxone 5072.
- clinical isolates, antibacterial activity, ceftazidime, comparison cephalosporins 5069.
- clinical isolates, antibacterial activity, ceftazidime, disc-dilution test 5091.
- clinical isolates, antibacterial activity, ceftazidime comparison gentamicin, cephalosporin antibiotics 5910.
- clinical isolates, leprosy, cell wall, chemical composition, man 8387.
- DNA assays, methodology 8740.
- drug sensitivity testing, methodology comparison 8850.
- endocarditis, surgery treatment, pathology, man 13348.
- enteritis, association, sarcospondiosis, histopathology, food-borne diseases, man, case reports 5318.
- experimental infection, antibacterial activity, ceftazidime, β-lactam antibiotics, gentamicin 5438.
- experimental infection, mezlocillin treatment, mice 13261.
- experimental infection, treatment, ceftriaxone, antibacterial activity, mice 3567.
- Fc receptors binding immunoglobulin G 11559.
- gram-negative bacteria, adherence, endothelium, heart, animals, tissue culture 2621.
- Ianthellabasta, bastadin, antibacterial activity 1778.
- identification, clinical microbiology 5578.
- infection, cefoperazone treatment, clinical trials, man 10619.
- infection, clindamycin treatment, man 10598.
- infection, josamycin treatment, man 9236.
- infection, netilmicin treatment, man 10617.
- infection, tetracyclines treatment, man 11942.

Gram-positive bacteria, (continued)
lipoteichoic acid extraction 6671.
media (selective), urine culture, Proteus mirabilis 4664.
norfloxacin, comparison, β-lactam antibiotics, aminoglycoside antibiotics, trimethoprim, antibacterial activity 8825.
pathogens, viability, fermentation, food processing wastes, Lactobacillus acidophilus, effects on 2648.
penicillinase characterization 12673.
phytoalexins, drug sensitivity testing 5133.
Picea, resins, effects on 1769.
pneumonia, etiology, clinical aspects, radiology, man 7975.
pneumonia, treatment, cephalosporins, dogs 8093
respiratory tract diseases, association, immunocompromised hosts, man 10174.
saframycin S, antibiotics, antibacterial activity, antitumor activity 1745.
serum agglutinins induction, infection, rats, mice 10223.
susceptibility, clindamycin antibacterial activity, man 11416.
toxic shock syndrome, man, case reports 7120.
transformation, reviews 8693
tuf gene, duplication, gram-negative bacteria, gene mapping 2871.
Gram-positive cocci,
anaerobic bacteria, identification, clinical microbiology 12229.
antibacterial activity, thiolactomycin 11421.
antibiotic resistance, determinants, macrolide antibiotics, lincosamide, streptogramin, genes transfer 11433.
intestinal microflora, Tilapia mossambica 12031.
temocillin, antibacterial activity, characterization 8764.
thienamycin, antibacterial activity, comparison, antibiotics 9937.
Gram-postive bacteria,
bile acids chemical modification 9660
Gramicidin,
Bacillus brevis, interaction RNA polymerase σ-subunits, Escherichia coli 9681.
interaction, thallium, ions, N.M.R. 11350.
+neomycin polymyxin, comparison, trimethoprim+polymyxin, treatment, bacteria conjunctivitis, man 7185.
+polymyxin B, antibiotic synergism, treatment, Enterobacter aerogenes, Salmonella typhi, infection, animals 4571
Gramicidin A,
interaction, thallium ions, association, 2,2,2-trifluroethanol, N.M.R. 11351.
Gramicidin S,
adsorption, bacteria 3834.
Bacillus brevis, biosynthesis, arginine stimulation 11367.
Bacillus brevis, biosynthesis, enzymatic activity, arginine, effects on 2995.
Bacillus brevis, biosynthesis, enzymes activity, regulation arginine 8784
biosynthesis, Bacillus brevis, arginine effects on 7720.
biosynthesis, Bacillus brevis, interaction, Bacillus brevis phospholipids 11415.
characterization 7803
derivatives, antibacterial activity, structure-activity relationships 11414.
effects on membrane proteins lipids interaction, fluorescence, Micrococcus luteus 12302.
Graminae,
competition, effects on, Medicago trunculata, nitrogen fixation, growth 4643.
isolates, Azospirillum, cysts, formation, characterization, USA 3831.
rhizosphere, Enterobacter cloacae, Klebsiella pneumoniae, nitrogen fixation, enumeration 3685.
Gramineae,
bacteria infection, symptoms, treatment, oxytetracycline 13443
leaf blight, Pseudomonas avenae, temperature, light, effects on 9414.
roots exudates, amino acid composition, association, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9586
roots exudates, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9585.
Granules,
sulfur, Pseudomonas aeruginosa, morphology, induction, cattle 2342.
Granuloma,
eye, association, tuberculosis, pathology, Ateles geoffroyi, Macaca mulatta 8104.
formation inhibition, immunosuppressive agents, protoplasm, association, Mycobacterium tuberculosis infection, prophylaxis, mice 9009.
hepatitis, Mycobacterium scrofulaceum, man, case reports 7116.
lesions, association, Bacillus, case reports, cats 10719.
lung, Mycobacterium tuberculosis, inflammation, hypersensitivity (delayed), mycolic acid+peptidoglycans, rabbits 4281.
lymphoma, coexistence, bacteria infection, clinical aspects, histology, case reports, man 11951.
multiple myeloma, association tuberculosis, man 13304.
multiple myeloma, association tuberculosis, man 13304.
Mycobacterium leprae, BCG, Mycobacterium kansasii, ultrastructure, immune response, lymph nodes, animal models 548.
Granuloma inguinale,
Calymmatobacterium granulomatis, epidemiology, etiology, clinical aspects, treatment, reviews, man 6248.
Calymmatobacterium granulomatis, man, case reports, Europe 2149.
penis, treatment, cotrimoxazole, man, case reports 2105.
transmission, homosexual behavior, man 2175.
Granulopoiesis,
Escherichia coli infection effects on, mice 4342.
Grasses,
disease tolerance, wilt, Xanthomonas campestris var.graminis 8146.
isolation, Xanthomonas campestris var.graminis, identification, wilt, Belgium 8145.
Grasslands,
soil microorganisms, biomass, population dynamics, New Zealand 8183.
Gratisin,
synthesis, antibacterial activity, structure-activity relationships 4187.
Grazing,
sheep, Lolium rigidum, parasitism, Anguina agrostis, Corynebacterium rathayi, association, toxicity, kidney pathology 8879.
Great Barrier Reef,
bacteria, symbiosis, Porifera 1127.
Greece,
antibiotic resistance, methicillin, Staphylococcus aureus, infection isolates, man 1749
gonorrhea, syphilis, epidemiology, man 909.
man, brucellosis, Brucella serotyping 7382.
water springs, bacteria, taxonomy 1231.
Greenhouses,
Pseudomonas syringae leafspot, disease transmission, soil, air, Cucumis sativa 7[illegible]99.
Greening,
Citrus, India, bacteria like organisms 6395.
Greenland,
man, dental caries, etiology, Streptococcus mutans, Streptococcus sanguis 723.
Ground water,
chemical analysis, use, carbon isotopes fractionation, methane oxidation, Methylomonas methanooxidans 7428.
methanogenic bacteria, methanogenesis, oil fields 12140.
microorganisms, biodegradation, lignocellulose, cinnamic acid 9491.
oil, ecological distribution, bacteria, methanogenesis 13509.
oil, ecological distribution, Rhodopseudomonas 13519.
Growth,
Acacia pulchella var.glaberrima, nitrogen fixation, nodulation, nutrient dynamics 8200.
Acetivibrio celluloyticus, sulfur nutrient requirements 12422.
Acetovibrio cellulolyticus, viability, pH, oxygen, effects on 2664.
Acinetobacter calcoaceticus, role, adherence, hexadecane media (culture) 1337.
Acinetobacter, n-hexadecane, cytochrome P-450 detection 141.
Actinomyces viscosus, Streptococcus mutans, teeth, gnotobiotics (germfree), rats 4593.
Actinomycetes, heliomycin biosynthesis 11372.
albumen, inhibition, vegetative cells, Bacillus cereus, spore germination 9619.
Alnus glutinosa, Netherlands, Frankia, inoculation, effects on 3689.
amines, effects on, Brevibacterium 12446.
Anabaena variabilis, association, Mycobacterium brevicale, biodegradation, oil, factors affecting 12363.
Aspergillus parasiticus, aflatoxins biosynthesis, Lactobacillus casei effects on 2422.
association, bacteria, wood extracts nutrient sources 12209.
association, Coxiella burnetii lipopolysaccharides sugars content 11228.
association, defoliation, Lotus corniculatus, Medicago sativa 5542.
association, enzymes activity, hydrogenase, Hyphomicrobium 6641.
association, incubation temperature effects on lipid composition, Arthrobacter 7630.
association, Pseudomonas, 1-chloronaphthalene, 2-chloronaphthalene, metabolism 9638.
associaton, milk, components, lactation, milking time 7475.
Bacillus anthracis, strains, comparison 468.
Bacillus cereus, continuous culture 1388.
Bacillus cereus, metabolism, physiology 12411.
Bacillus licheniformis, sporulation, bacitracin, proteinase, biosynthesis, carbon sources, effects on 1409.
Bacillus, Mars soil minerals+hydrogen peroxide effects on 11009.
Bacillus polymyxa, polymyxins, biosynthesis, electron microscopy 12873.
Bacillus sphaericus, cell wall, structure, proteins 8383.
Bacillus subtilis, kinetics, adenine metabolism, chemostat culture 5669.
Bacillus subtilis, 2,4-dinitrophenol± solar radiation± U.V. radiation effectson 2658.
Bacillus, temperature effects on 4743.
bacteria, activated sludge, stoichiometry, models 2644.
bacteria, algae, measurements, RNA biosynthesis, methodology, evaluation, aquatic environments 2657.
bacteria, cell cycle, gene regulation, chronobiology, reviews 10978.
bacteria, cells, cytoplasm 12424.
bacteria, chemostats, kinetics, mathematical models 7476.
bacteria, culture, detection, electrical impedance 14.
bacteria, dental restorative materials, man, association, mucosa 11682.
bacteria, dental roots, experimental infection, animal models 1960.
bacteria, effects on, spermatozoa, motility, viability, man 6225.
bacteria, fungi, association, secondary metabolism 8467.
bacteria, Glycine max isoflavonoids effects on 12091.
bacteria, indicator species, water+carbaryl effects on 7423.
bacteria, infection, man, iron effects on 10459.
bacteria, interaction, rhizosphere, gnotobiotics, cereals 3684.
bacteria, intravenous administration fluids+albumin 4751.
bacteria isolates, lakes, metabolism, carbon sources 2640.
bacteria, kinetics, continuous culture, mathematical models 2646.
bacteria, marine environment, dissolved organic carbon levels effects on 6433.
bacteria, metabolism, cell division, conferences 13543.
bacteria, monitoring, oxygen, temperature 4652.
bacteria, pH, temperature, salinity, effects on, association, biodegradation, methanol, phenol 7867.
bacteria, rumen, cattle, nitrogen sources, effects on 3562.
bacteria, rumen, domestic animals, nitrogen sources, effects on 3555.
bacteria, seasonal variations, temperature tolerance, freshwater environment 13524.
bacteria, trimethylamine oxide reduction, assays, conductance methodology 9526.
bacteria, urine, antibacterial agents, effects on 1759.
bacteria, vertical distribution, attachment sediments, coastal waters, USA, New York 10808.
Bacteroides fragilis, Eubacterium limosum, inhibition, Neisseria gonorrhoeae, antibiosis, in vitro 13459.
Bdellovibrio, marine environment, association, parasitism, lysis, Vibrio parahaemolyticus 9630.
Bifidobacterium bifidus, casein, sugars, man, effects on 1395.
Bifidobacterium bifidus var. pennsylvanicus, chelating agents effects on 9650.
biomass, soil microorganisms, fungicides effects on 8188.
Campylobacter, media (culture) effects on 5563.
canine distemper virus, Vero cells, Mycoplasma orale effects on 7470.
cations effects on, chloramphenicol drug resistance, Pseudomonas aeruginosa 9993.
cell walls, chromosomes, replication, coupling, gram-positive bacteria 1345.
Cellulomonas flavigena 3853.
characterization, mixed culture, alkanes media, Candida parapsilosis, Bacillus, association, myristic acid 8423.
chemoautotrophic bacteria, nitrogen fixation, characterization 5656.
chickens, juveniles, intestinal microflora, Streptococcus faecium, effects on 2330.
Chlamydia psittaci, macrophages, mice, lymphokines effects on 4320.
Chlamydia trachomatis, Chlamydia psittaci, McCoy cells, cell culture, treatment, emetine 3763.
cimetidine effects on bacteria, association, gastric juice, surgery, man 10984.
Citrobacter intermedius, antibacterial activity, chloramphenicol 1739.
clinical isolates, cefotetan, antibacterial activity 5926.

Growth, (continued)
Clostridium botulinum, toxins biosynthesis, antibacterial activity, phenols, antioxidants, preservatives 5964
Clostridium botulinum, toxins, production, growth conditions 8873
Clostridium botulinum type A, Clostridium botulinum type B, toxins biosynthesis, cheese 5154.
Clostridium botulinum type A, iron effects on 4750.
Clostridium perfringens, proteinase biosynthesis, inhibition, casein 4769.
Clostridium sporogenes, anotox absorption growth inhibitors, hydrogen sulfide, fatty acids, anaerobic environments 10864
Clostridium tetani, Clostridium butyricum, Bacillus subtilis, redox potential effects on 12323.
coliforms, inhibition, bacteriocins like compounds, biosynthesis, bacteria, screening, water supplies 4647
copper, lead, bioaccumulation, effects on, Sphaerotilus natans 7442.
Cytophaga johnsonae, auxotrophy mutants, nutrient requirements 1270.
Desmodium intortum, intraspecific interactions, setaria anceps, effect on 10771.
Desulfovibrio desulfuricans, Desulfovibrio gigas, Desulfotomaculum ruminis, acetylene inhibition 10971
Desulfovibrio vulgaris, Desulfovibrio desulfuricans, Desulfovibrio gigas, hydrogen, sulphate 5651.
Desulfovibrio vulgaris, oxygen effects on 10968
enzymes, association, autotrophy metabolism, enzymes biosynthesis, Alcaligenes eutrophus 8561
Escherichia coil mutants, association, selenalysine metabolism 8463
Escherichia coli, anaerobic conditions 15
Escherichia coli, anilazine effects on 12944
Escherichia coli, antibacterial activity, ketone bodies 8866
Escherichia coli cell envelopes, role, cyclic AMP 2603
Escherichia coli, cephalosporins, penicillins, effects on 1714.
Escherichia coli, fatty acids auxotrophs, carbon sources effects on 3856
Escherichia coli, guanosine phosphates biosynthesis, characterization 5663.
Escherichia coli, heavy metals inhibition 11464.
Escherichia coli, mutants, ilvB operon, valine, inhibition 2873.
Escherichia coli, nutrient requirements, temperature, effects on 10969
Escherichia coli, plasmids, maintenance, continuous culture, effects on 1667.
Escherichia coli, redox potential 12465
Escherichia coli, relationship, cell surface, cell volume, mathematical models 3843.
Escherichia coli, Salmonella typhimurium, stimulation, serum, cattle, role, iron, siderophores 2673.
Escherichia coli, Streptococcus faecalis, indicator species, water pollution, carbaryl, effects on 5981
Escherichia coli, susceptibility, actinomycin D, riboflavin, analogs 12909
Escherichia coli, thialysine metabolism, effects on 8441.
Escherichia coli, trimethylamine N-oxide reduction, fish muscles extracts 4757
estimation, statistical analysis, bacteria 10986
fetuses, relationship, cervical microflora, Ureaplasma urealyticum, Mycoplasma hominis, man 3386
filamentous microorganisms, iron oxidation, streams, polluted environments 2489.
L form, Staphylococcus aureus, osmotic stability 5681
fruit trees seedlings, soil microorganisms, soil solarization effects on 12151.
fruits, Pisum sativum, association, nitrogen fixation 9467
Gaeumannomyces graminis var.tritici, Triticum roots, Agrobacterium polysaccharides effects on 8212.
Gigartina teedii, bacteria infection, induction tumors like 10758.
Glycine max, cotyledons effects on 2470.
Glycine max, nitrogen fixation, temperature, nitrates, effects on 4640
Glycine max, Rhizobium japonicum, phosphorus, Glomus fasciculatus, effects on 2458
gram-negative bacilli, hemin, effects on, association, colistin 7768
Haemophilus somnus, nutrient requirements, thiamine pyrophosphate, media (culture) 1390
Halobacterium halobium, Halobacterium salinarium, Halobacterium volcanii, morphology, ions, thermodynamics 2604
Halobacterium halobium, temperature effects, salinity tolerance, Mexico 2655.
Hedysarum boreale, Rhizobium, interaction, Glomus fasciculatus, effects on 5516
HeLa cells, inhibition, Actinomyces, Streptococcus, oral cavity isolates 8895
helium pressure effects on, Salmonella typhimurium 2635.
Hordeum vulgare, inhibition, Gliocladium roseum, Azotobacter chroococcum, calcium peroxide+lime seed treatments effects on 1145.
Hyphomicrobium vulgare strains, electrons acceptors 12419.
in vitro, selenium effects on, Bacillus isolation, Astragalus crotalariae 11006
inhibition, Brochothrix thermosphacta, palmitic acid 9665.
inhibition, saliva, antibacterial activity, streptococcus mutans, streptococcus sanguis 8854.
inhibitors, Hydrodictyon reticulatum, Aphanothece nidulans, Chlorella vulgaris, antibacterial activity, bacteria 10045
innoculation effects on, Eleusine coracana, Glomus fasciculatus, Bacillus circulans 9453.
intestinal microflora, Amphipoda, Holothuroidea, pressure effects 1128.
Klebsiella aerogenes, nutrient deficencies, thermodynamics, chemostats 3862
Klebsiella pneumoniae, glycerol, carbon sources, glycerol dehydratase 8623.
Kurthia zopfii, strains, morphology, electron microscopy 10954.
lactic acid bacteria, media (culture), use, cabbage juices 4673
Lactobacillus casei, deuterium oxide effects on 3087.
Lactobacillus casei, folic acid effects on 7850.
Legionella micdadei, cell culture, monkeys, chickens, man 20.
Legionella pneumophila, media (culture) 2524.
light, effects on, Mycobacterium smegmatis, phospholipid composition 8445.
light, interspecific relationships, adherence, Flavobacterium, Skeletonema costatum 1376.
Listeria monocytogenes, erythromycin, antibacterial activity, +penicillin, +ampicillin, +gentamicin 9963.
Medicago sativa, nitrogen fixation, nitrogen sources, soil characteristics 12130.
methanogenic bacteria, digestion (anaerobic), manure, media (culture) 8419.
methanogenic bacteria films, substrate preferences effects on 5654.
methanogenic bacteria, nickel requirements, coenzyme F_{430} biosynthesis 2663.
Micrococcus luteus, inhibition, threonine, mechanisms 1464.
microorganisms, U.V. radiation effects on, hydroponics 427.
microorganisms, dissolved organic carbon substrates 10973.
microorganisms, mathematical models 1381.
microorganisms, synchronization, role, immobilization 2651.
microorganisms, water potential effects on, reviews 13506.
milk, Streptococcus agalactiae clinical isolates, biochemical characteristics 7465

Growth, (continued)
mixed culture, Bacillus, Candida parapsilosis, alkanes, nutrient sources, characterization 7443.
Mycobacterium avium, cell division, macromolecules biosynthesis 5659.
Mycobacterium leprae, nutrient requirements, in vitro, in vivo, reviews 7454.
Mycobacterium lepraemurium, cholesterol, lecithin, nucleotides, effects on 4761.
Mycobacterium lepraemurium, hypersensitivity (delayed) effects on, characterization, mice 6106.
Mycobacterium lepraemurium, liquid culture, association, aspartic acid, methodology 12206.
Mycobacterium lepraemurium, macrophages inhibition, in vitro 6068.
Mycobacterium lepraemurium, nutrient requirements, in vitro, factors affecting 1402.
Mycobacterium, photometry, role drug sensitivity testing 8855.
Mycobacterium smegmatis, lipid composition, phospholipid composition, glycine, effects on 1573.
Mycoplasma, Callistephus chinensis extracts, in vitro 3764.
Mycoplasma hominis, cell culture, characterization, embryos lung fibroblasts, man 8443.
Mycoplasma pulmonis, ammonia effects on, respiratory tract infection, rats 11729.
Neisseria gonorrhoeae inhibitors, production, Staphylococcus 9707.
Neisseria gonorrhoeae, tampons composition effects on, man 8027.
Neisseria gonorrhoeae, temperature effects on 12459.
Neisseria meningitidis, binding, immunoglobulins, serum, man, effects on 4283.
Neisseria meningitidis, penicillin G effects on 349.
nerves, muscles, mice, Clostridium botulinum toxins effects on 479.
nitrate reduction, nitrogen sources, Rhodopseudomonas capsulata, Rhodopseudomonas sphaeroides, Ectothiorhodospira mobilis 12410.
nitrifying bacteria, nitrate production 9447.
nitrogen fixation, Medicago truncul ata, Graminae competition, phosphate levels, effects on 4643.
Nocardia asteroides, association, cell walls deficiency 3830.
Nocardia kirovani, isoniazid effects on 8446.
nodulation, actinomycetes, Hippophae rhamnoides subsp.rhamnoides, succession, dunes 4638.
non-fermentative gram-negative bacteria, heat resistance, relationship virulence 8452
nutrient availability, phosphorus, Rhizobium 8403.
nutrient uptake, lakes, heterotrophic bacteria, Brazil 12185.
Oryza sativa, foliar applications, nitrogen-fixing bacteria, effects on 4644.
Oryza sativa, nitrogen fixation, Azotobacter vinelandii, Rhodopseudomonas capsulata, effects on 2429.
oxygen, effects on, Selenomonas ruminantium, continuous culture 9615.
parameters, Acinetobacter calcoaceticus, acetate, ethanol, effects on 7469.
parameters, Desulfovibrio desulfuricans, Desulfovibrio gigas, Desulfovibrio africanus, comparison, calorimetry, metabolism 6539.
Peptococcus, Peptostreptococcus, media (culture) effects on 3769.
Peptococcus saccharolyticus, strains, stimulation, iron, hematin, blood, colonial characteristics 9614.
phage T7, restriction, Escherichia coli mutants RNA polymerase 5853.
Phaseolus lunatus, nodules, Rhizobium, gibberellin biosynthesis, effects on 4625.
Phaseolus vulgaris, nodulation, soils (acid), calcium carbonate, lime, inoculation, effects on 2452.
1-phenyl-4-amino-5-chloro-piridazone-6, 3-cyclohexyl-5,6-trimethyleneuracil, effects on, Azotobacter chroococcum 9640.
phosphorus nutrition, Rhizobium japonicum 8405.
Pisum sativum, association, selection, photosynthesis carbon dioxide gas exchange 8169
plants, Solanum tuberosum, rhizosphere microorganisms, bacteria, powder, effects on 8269
promoters, effects on Lactobacillus, animal isolates 3095.
Propionibacterium acnes, media (culture), lecithin effects on 12389.
Propionibacterium shermanii, ATP, levels, factors affecting 12423.
Pseudomonas aeruginosa, carbon sources, liquid culture, media (culture) 12352.
Pseudomonas aeruginosa, drinking water, relationship, carbon sources 12392.
Pseudomonas aeruginosa, n-hexadecane, surfactants, effects on 5639.
Pseudomonas putida, alkane 1-monooxygenase, activity 7582.
Psophocarpus tetragonolobus, water regimes effects on 5539.
Rhizobia, herbicides effects on, pure culture 1389.
Rhizobium 12464
Rhizobium, association, exopolysaccharides composition 7448.
Rhizobium, fungicides effects on 3089
Rhizobium, interference, culture 3865.
Rhizobium japonicum, anaerobic conditions 2465.
Rhizobium japonicum, phosphate 104.
Rhizobium leguminosarum, synergism, cellulolytic microorganisms, soil 12141.
Rhizobium meliloti, nodulation, Medicago sativa, thiram, effects on 3094.
Rhizobium meliloti, succinate dehydrogenase deficient mutant 12412.
Rhizobium, Oryza sativa straw, decomposition, effects on 2439.
Rhizobium, phosphate, effects on 105.
Rhizobium, sugar industries wastes 1165.
Rhodospirillineae, nutrient requirements, iron effects on 12434.
Rhodospirillum photometricum, light effects 2639.
Rickettsia tsutsugamushi, L cells nuclei, culture 7440.
rumen microoganisms, phelonic acid effects on 11017.
rumen microorganisms, bacteria, buffaloes, relationship, diet 2332.
Ruminococcus albus, phenylpropanoic acid stimulation 7461.
Salmonella enteritidis, Pseudomonas aeruginosa, Escherichia coli, biodegradation, carbon sources, industrial effluents 9628.
seasonal variations, Pseudomonas glycinea, blight, Glycine max 7302.
seeds, germination, inhibition, Lycopersicon esculentum, Pseudomonas tomato, damping-off 3669
selenium dependent, glycine fermentation, Clostridium purinolyticum 12449.
Selenomonas ruminantium, continuous culture, starvation effects on 12455.
Selenomonas ruminatium, viability, continuous culture, glucose limitations 2671.
sheep, juveniles, gnotobiotics, rumen microorganisms, function 6380.
Shigella boydii, Neisseria meningitidis, Staphylococcus aureus, Mueller-Hinton agar, γ radiation sterilization 3762.
soil microorganisms, bacteria, cadmium, pollution effects 1175.
soil microorganisms, nitrogen cycle, time effects on 5527.
soil microorganisms, proteins effects on, clay minerals 8186.
Solanum tuberosum, Raphanus sativus, rhizosphere bacteria effects on 1213.
Sorghum bicolor, Azospirillum brasilense, nitrogen fixation, effects on 5508.
Spiroplasma citri, relationship, morphology, cultural characteristics effects on, electron microscopy 74.

Growth, (continued)
staphylococcus aureus, culture, in vivo, sheep, in vitro 8929.
Staphylococcus aureus, interaction, tampons, in vitro, association, toxic shock syndrome, man 9662.
stimulation, Allium sativum extracts, bacteria 444.
stimulation, Beta vulgaris, rhizoplane microorganisms, Pseudomonas, characterization 7325.
Streptococcus, blood agar, media (enrichment) 1258.
Streptococcus bovis, proteinase, in vitro, rumen 3556
Streptococcus cremoris, nitrogen sources, milk 1387
Streptococcus faecalis, folic acid antagonists inhibition 8462.
Streptococcus faecalis subsp.zymogenes, catalase, hematin, effects on, glycerol media (culture) 1383.
Streptococcus faecium, morphology, cell division, relationship, surface properties, effects on 1333.
Streptococcus group E, antigens production, association, media 8919.
Streptococcus lactis, glucose analogs effects on 12462.
Streptococcus mitior, media (culture), isolation, blood culture 3766
Streptococcus mutans, dental plaque, xylitol+sorbitol, effects on 435.
Streptococcus mutans, saliva+hydroxyapatite 5679
Streptococcus mutans, selenium fluoride, sodium fluoride, selenium chloride, effects on 4755.
Streptococcus mutans, trace elements, metals, effects on, chemostats 3849.
Streptococcus nutrient requirements variants, blood culture 4765.
Streptococcus thermophilus, metabolism, lactose, glucose, galactose 12468.
Streptomyces griseus, relationship, phospholipids fatty acid composition 4080.
Streptomyces olivaceus, morphology, association, lipid biosynthesis 10945.
Streptomyces, wild type, mutants 7493.
sucrose effects on, anaerobic microorganisms, blood culture, man 9622.
SV40 transformed cells, Streptomyces, biosynthesis, diketopiperazines effects on 4158.
temperature, effects on, Bacillus caldotenax, continuous culture 11021.
temperature, iron, concentration, effects on, Thiobacillus ferrooxidans 12469
temperature, pH, sodium chloride, effects on, Edwardsiella tarda, marine environment 12173.
temperature tolerance, food poisoning bacteria, sodium chloride, effects on 3840.
Thiobacillus acidophilus, pyruvate, effects on 111.
Thiobacillus, culture conditions, acetate, thiosulfate, limitations 5561.
Thiobacillus ferrooxidans, kinetics, mathematical models 12433.
Thiobacillus ferrooxidans, metals effects on 4763.
Thiobacillus ferrooxidans, oxidation, sulfur, iron 7474.
Thiomicrospira, deep sea hydrothermal vents, isolation, characterization 5676.
Trifolium repens, Lotus pedunculatus, +Rhizobium, +nitrate, phosphorus effects on 1172
Trifolium subterraneum, nitrogen fixation, nodulation, mycorrhizas, phosphorus uptake 4622.
Triticum aestivum, Panicum miliaceum, Sorghum bicolor, Azospirillum brasilense, nitrogen fixation, effects on 3701.
Ureaplasma urealyticum, media (culture), gases composition, effects on 3838.
Vibrio anguillarum, biochemical characteristics, temperature, effects on 10972.
Vibrio cholerae, temperature, salinity, effects on, estuaries, in vitro 12413.
Vibrio natriegens, abate, effects on 6847.
Vibrio parahaemolyticus, strains, biological properties, pathogenicity 12443
Vigna unguiculata, nodulation, nitrate effects on 7330.
water activity, association, carbohydrates bioaccumulation, Escherichia coli 11224
Xanthomonas campestris, continuous culture, biosynthesis xanthans 4770.
Xanthomonas campestris, fermentation, xanthan production 7624
Zea mays, Azospirillum brasilense, nitrogen fixation, inoculation, effects on 3714.
Zymomonas mobilis, continuous culture 7452
Zymomonas mobilis, ethanol biosynthesis, bioreactors 9637.

Growth conditions,
Alcaligenes eutrophus, electrolysis, media (culture), factors affecting 12452
Bacillus acidocaldarius 12460.
biosynthesis, unsaturated-phospholipid methyltransferase, relationship, fatty acids, Proteus vulgaris 12656.
brain heart infusion, media (culture), Neisseria gonorrhoeae, methodology 12205
Clostridium botulinum, toxins, production, growth 8873.
derepression, hydrogenase, ribulosebiphosphate carboxylase, Alcaligenes eutrophus 5776
effects on Escherichia coli fatty acid composition 228.
effects on, Methylosinus trichosporium, methane mono-oxygenase, distribution, cytoplasm, cytoplasmic membranes 2769.
Escherichia coli, association, cytochromes characterization 12501
factors affecting, bacteria, isolation, ash, soils (volcanic) 13515.
Klebsiella, organic compounds utilization 12457
Methylococcus capsulatus, dimethyl ether carbon sources, effects on methane metabolism 5644.
methylotrophic bacteria, effects on proteins amino acid composition 12571
Peptostreptococcus anaerobius, effects on antibacterial activity, hydrogen peroxide 6843.
phototrophic bacteria, membrane structure, differentiation, electron transport, Rhodospirillales 8469
preparation, Streptomyces rimosus, protoplasts, methodology 12224.
relationship, biosynthesis, polysaccharides, Zoogloea ramigera 12700.
relationship, chlorine dioxide, drug sensitivity testing, Escherichia coli 12939
Streptococcus faecalis cell culture, effects on pyrolysis gas chromatography 9512.
Streptomyces, protoplasts, recombination 12798.
triethylamine oxide, dimethyl sulfoxide, anaerobic respiration, fermentation, Rhodospirillum vubrum, Rhodopseudomonas capsulata 5661.

Growth curves,
Escherichia coli, Pseudomonas aeruginosa, antibacterial activity, ceftazidime 5083.
Mycobacterium bovis, culture 9625.
Protozoa, predator-prey interactions, oil microflora 2423.

Growth factors,
effects on Lactobacillus bulgaricus acid production 12693.
epidermis, association, teleocidin, Streptomyces, tumorigenesis, hepatoma cells, rats 9818.
lactic acid bacteria, detection 1266.

Growth inhibition test,
Streptococcus lactis subsp.diacetylactis, Leuconostoc cremoris, Leuconostoc dextranicum, dairy products, spoilage microorganisms 6846

Growth parameters,
bacteria, simulation, mathematical models 1400.

Growth patterns,
Mycobacterium, liquid culture, comparison, carbon sources 8262.

Growth rate,
Bacillus acidocaldarius growth conditions, media (culture) 12460.
bacteria, cell division, marine environments, mathematical models 3733.
dependent, copB gene expression, Escherichia coli, R factor R1 12781.
effects on, Azotobacter beijerinckii, AMP, ADP, ATP, levels 1411.
Escherichia coli, dependence, ribosomes, biosynthesis, regulation, gene expression 1446.
Escherichia coli, enzymes biosynthesis, continuous culture, kinetics 11195.
Escherichia coli, factors affecting competition 9663.
Escherichia coli, plasmids effects on 9882.
Escherichia coli, relationship, chromosomes replication, envelopes macromolecules biosynthesis 3842.
Escherichia coli, tufA gene, protein biosynthesis 4808.
Haliscomenobacter hydrossis 7471.
Klebsiella aerogenes, citrate, metabolism, citrate permease, chemostats 2822.
Klebsiella aerogenes, effects on, metabolism, biological characteristics 8449.
mathematical models, bacteria 5649.
Micrococcus radiodurans, effects on heat resistance 7444.
Micrococcus radiodurans, effects on heat resistance 7464.
microorganisms, nutrient deficiencies, mathematical models 11013.
microorganisms, relationship, nutrient utilization 1399.
Propionibacterium shermanii, mixed culture, Lactobacillus acidophilus, commensalism, glucose, lactate 10762.
Rhodopseudomonas sphaeroides, cell density, turbidity, measurements 10987.
Salmonella, Arizona, temperature, effects on 8422.
Streptococcus faecalis, association, DNA adherence sites, membranes 12516.
Tetrahymena pyriformis, Escherichia coli, predator-prey interactions 4616.
Thiobacillus, mixotrophy, glucose, formic acid, chemostats 2665.
Vibrio parahaemolyticus, extracellular enzymes, proteinase production, carbon sources effects on, growth rate 12618.

Growth regulators,
Nicotiana hybrids, tumors development, tumor promoting agents effects on 8153.

Growth requirements,
DNA biosynthesis, Pseudomonas 3894.

Growth stage,
Arthrobacter crystallopoietes, effects on cytochrome d 5689.
association Caulobacter crescentus pili production 5628.
Bacillus megaterium, effects on potein biosynthesis 8549.
effects on, Vigna radiata, nitrogen fixation 13484.
Nocardia asteroides, L form, cell walls, chemical composition, morphology 2616.
Staphylococcus aureus, Streptococcus group B, concentration, penicillin, methicillin, bactericidal activity 331.

GTP,
Bacillus subtilis, initiation sporulation 9647.
binding elongation factor Tu, analysis, Escherichia coli 8492.
binding, elongation factor Tu, kirromycin effects on, Escherichia coli 11088.
binding elongation factor Tu, Lactobacillus brevis 11128.
elongation factor Tu valyl-tRNA Val complex, X-ray scattering, Escherichia coli 3899.
hydrolysis, elongation factor Tu, cations role, Escherichia coli 9686.
hydrolysis, elongation factor Tu, tRNA Phe role, Escherichia coli 8496.
hydrolysis, tRNA interaction elongation factor Tu ribosomes complex, aminoglycoside antibiotics effects on, Escherichia coli 3913.
toxins Vibrio cholerae chemical modification membrane proteins regulation 6859.

Guanidine hydrochloride,
effects on enterotoxins tertiary structure, U.V. spectroscopy, Clostridium perfringen 5045.
induction unfolding, tryptophan synthase α-subunit, Escherichia coli 7610.

Guanine,
nucleotides, interaction, Escherichia coli elongation factor G, thermodynamics 4814.

Guanosine 3',5'-bis(diphosphate) synthesizing enzyme,
Thermus thermophilus, characterization, requirements, comparison, Escherichia coli 2693.

Guanosine 5'-diphospate 3'-diphosphate,
inhibition penicillinase synthesis, DNA, plasmid BR322 6749.

Guanosine 3'-diphosphate 5'-diphosphate,
bacteria, metabolism, regulation RNA biosynthesis, protein biosynthesis 9648.
regulation RNA polymerase binding, tRNA Tyr genes promoters 9680.
relaxation, Bacillus subtilis mutants, characterization 8685.
rRNA, tRNA, biosynthesis regulation, Escherichia coli 12546.
synthesis, U.V. radiation induction, role 5-methylaminomethyl-2-thiouracil residues, anticodon loop, tRNA, Escherichia coli 3915.

Guanosine 5'-diphosphate 3'-diphosphate,
Bacillus subtilis, biodegradation, role spot gene products 11124.

Guanosine 3'-diphosphate 5'-triphosphate synthesizing enzyme,
Thermus thermophilus, characterization, requirements, comparison, Escherichia coli 2693.

Guanosine nucleotides,
amino acids regulation, correlation RNA biosynthesis, mutants, Escherichia coli 3911.

Guanosine phosphates,
biosynthesis, Escherichia coli, growth, characterization 5663.

Guanosine tetraphosphate,
levels, Salmonella typhimurium, hisU gene, mutation 8682.

Guanylate cyclase,
activity, Escherichia coli adenylate cyclase defective mutant 256.

Guatemala,
nocardiosis, Nocardia asteroides, new records, case reports, man 11734.

Gulf Stream,
bacterioplankton, ATP uptake, organic compounds 2481.

Gut,
cattle, isolation, hydrogen peroxide production lactobacillus lactis 8648.
epithelium, Pieris rapae, Lymantria dispar, Ephestia cautella, histopathology, Bacillus thuringiensis δ-endotoxin 10096.
man, Escherichia coli, population dynamics, reviews 3264.
microflora, aerobes, mutualism, bacteria, Orthoporus ornatus, Comanchelus 10733.
microflora, bacteria, Charybdis cruciata, Podophthalmus vigil, Scylla serrata, Portunus pelagicus, Portunus sanguinolentus 6385.
microflora, putrescine biosynthesis, hemolymph 8127.
Reticulitermes flavipes, bacteria, uric acid recycling 5488.

Gynecology,
bacteria infection, netilmicin, gentamicin, treatment comparison, man 11793
hospitals, incidence, nosocomial infection, man 9291
surgery, associaton, postoperative infection, antibiotics prophylaxis, man 9267.
surgery, postoperative infection, metronidazole prophylaxis, man 11804.
Gypsophila paniculata,
Agrobacterium gypsophilae, pathogenicity, taxonomic revision 3663

Habekacin,
treatment, Pseudomonas aeruginosa, experimental infection, keratitis, mice 3593.
treatment, Pseudomonas aeruginosa keratitis, animal models, man 13318.
Haemaphysalis leporispalustris,
infection, Spiroplasma, isolation, media (isolation), cell-free system 6384.
Haemobartonella muris,
experimental infection, transmission (transplacental), case reports, rats 10684.
Haemolysins,
assays, diagnosis, Staphylococcus infection, man 7399.
Haemophilus,
antibacterial activity, cefodizime 6809
antibacterial activity, cefoperazone 9970
antibacterial activity, thiolactomycin 11421.
antibiotic sensitivity testing, antibiotic resistance, rosaramicin, erythromycin 4182
association, arthritis, reviews 6305
cefoperazone, antibacterial activity, antibiotic sensitivity testing 7786
characterization, Minitek differentiation test 3798.
clinical isolates, antibacterial activity, rocephin 5060.
clinical isolates, antibacterial activity, temocillin 11408.
clinical isolates, phenotypes identification, nutrient requirements, indole production 8314.
conjunctivitis, etiology, children 2295
DNA uptake specificity, plasmids transformation 11324.
gastrointestinal tract infection, cefotaxime treatment, man 6207.
incidence, intestinal tract, association, sprue, man 4354.
incidence, sinusitis, children 773
infection, children, antibacterial activity, cefotaxime 8076.
infection, immune response, pneumonia, bronchitis, man 599
infection, treatment, antibiotic 6059-S, children 2316.
infection, treatment, antibiotic 6059-S, children 2320
isolation, culture, identification, serological tests, clinical aspects 10893
meningitis, treatment, cefotaxime, children 895
postoperative infection, man, surgery, antibiotics treatment 10580
postoperative infection, penicillin prophylaxis, association, lung surgery, man 10451
preservation, gelatin disc drying method, media (transport) 6454
respiratory tract infection, sisomicin treatment, man 10351
respiratory tract isolates, indole test characterization, man 3797
taxonomy 5593.
taxonomy 8307
thiolactomycin antibacterial activity 7810
Haemophilus aegyptius,
characterization, relationship, Haemophilus influenzae 10881.
Haemophilus aphrophilus,
endocarditis, association, dental plaque, man, case reports 1958.
endocarditis, man, case reports 3453.
fatty acid composition, protein composition, clinical isolates 6678.
identification, API test 1303
Haemophilus avium,
biochemical characteristics 12261
hemagglutin, characterization, role pathogenicity, chickens 9346.
Haemophilus ducreyi,
ampicillin antibiotic resistance, association, plasmids 11331
antibiotic resistance, plasmids, ampicillin, transfer, Escherichia coli 7697.
chancroid, treatment, cotrimoxazole, man 5349
chancroid, treatment, doxycycline, co-trimoxazole 932
chancroid, treatment, man 11857.
chancroid, treatment, thiamphenicol, man, case surveys 9190
clinical isolates, antibiotic sensitivity testing, antibiotic resistance 11377
isolation, chancroid, man, New Zealand 10442
plasmid pJB1, penicillinase, characterization, comparison, Haemophilus parainfluenzae, Neisseria gonorrhoeae 2946.
plasmids, ampicillin resistance, characterization 7701
plasmids characterization, epidemiology, transmission (sexual), man 917
sexually-transmitted diseases, isolation, identification, characterization 11854
susceptibility, clavulanic acid, amoxicillin, antibiotic synergism, antibacterial activity 333.
Haemophilus equigenitalis,
animal isolates, characterization 3816
biochemical analysis, antisera agglutination, identification, horses, contagious equine metritis 7257.
contagious equine metritis, epidemiology, clinical aspects, horses 7239
contagious equine metritis, experimental infection, antibody response, horses 584.
contagious equine metritis, experimental infection, treatment, abortion induction, horses 9351.
contagious equine metritis, immune response, diagnosis, serological tests comparison, horses 11619.
horses, contagious equine metritis, epidemiology, diagnosis, Japan 7250.
Haemophilus influenzae,
adherence, mouth epithelium, association, pathogenesis, man 10322.
amoxicillin, clavulanic acid, antibiotic synergism, in vivo, in vitro 321
ampicillin antibiotic resistance, role plasmids, clinical isolates 5949
ampicillin bactericidal activity, chloramphenicol effects on 6802
ampicillin drug resistance, man, incidence 8798
antibacterial activity, β-lactam antibiotics 9942.
antibacterial activity, ampicillin, erythromycin 12907.
antibacterial activity, antibiotic BRL 17421, in vitro, in vivo, man 348.
antibacterial activity, cefaclor, comparison, cephalosporins 6790.
antibacterial activity, cefmenoximine 6810.
antibacterial activity, cefoperazone, cefotiam 347.
antibacterial activity, ceftazidime 5074.
antibacterial activity, ceftazidime comparison β-lactam antibiotics 5073.
antibacterial activity, cephalosporins 1727.
antibacterial activity, Chloramphenicol, thiamphenicol 12915.

Haemophilus influenzae, (continued)
antibacterial activity, rosaramicin 368.
antibiotic resistance, ampicillin, epidemiology, children 379.
antibiotic resistance, ampicillin, screening, carriers, man 6829.
antibiotic Ro 13-9904, antibacterial activity 344.
antibiotic Ro 13-9904, antibiotic GR 20263, antibacterial activity 364.
antibiotic sensitivity testing, chloramphenicol, β-lactam antibiotics, antibacterial activity, susceptibility, role, penicillinase 3009.
antibiotic sensitivity testing, in vitro 9924.
antibiotic 6059-S antibacterial activity 1743.
antigens, cross-reactivity Escherichia coli, antibody response, man 8934.
antigens, detection, latex agglutination, comparison, immunoelectrophoresis 5183.
arthritis, clinical aspects, reviews, man 9240.
arthritis, diagnosis, treatment, man, case reports 3533.
arthritis, treatment, man, reviews 4528
bacteremia, association, vertebrae puncture, relationship, meningitis, children 6234.
bacteremia, children, case reports 7154.
bacteremia, diagnosis, BACTEC test, plate counts, children 3449.
bacteremia, meningitis, infection source, serotyping, man 2283.
bacteremia, treatment, cefamandole, children, case reports 11937.
biotypes, infection, children, man, case reports 3490.
biotyping, outer membranes, characterization 5597.
bronchitis, bacampicillin treatment, man 13125.
bronchitis, treatment, penicillins, bacampicillin, man 13119.
bronchopulmonary infection, antibiotics treatment, man, reviews 13155.
capsules, polysaccharides, structure 5797.
cefoperazone, association, penicillanic acid,1,1-dioxide, antibacterial activity 332.
cefotaxime, antibacterial activity 5915.
cell surface proteins, identification, antibodies, radioactive labelling+immunoprecipitation 525.
cellulitis, treatment, ampicillin, chloramphenicol, man, case reports 689.
cephalosporins, antibacterial activity 5911.
cephalosporins, antibacterial activity 12901.
characterization, relationship, Haemophilus aegyptius 10881.
clinical isolates, antibacterial activity, ceftazidime comparison cephalosporin antibiotics 5068
clinical isolates, antibiotic resistance, agar dilution test 7832.
clinical isolates, identification, Minitek test 2558.
clinical isolates, moxalactam, antibacterial activity 7787.
competence defficient mutant, DNA binding vesicles 12415.
complement Cl_q binding assays, otitis media isolates 607.
cytotoxicity, immunoglobulin G, activation, complement, alternative pathway 10195
detection, antibiotic resistance, chloramphenicol, screening, methodology 394.
development rifampicin resistant mutant 5953.
differential diagnosis, Haemophilus parainfluenzae, identification, media (culture), methodology 12242.
disseminated infection, risk factors, man 11871.
electron transport chain, quinones specificity 9666.
endodeoxyribonuclease HineI, purification, substrate specificity 6665.
epiglottitis, cellulitis, treatment, man 13127.
erythromycin antibacterial activity, respiratory tract isolates 3031.
etiology, otitis media, children 1999.
etiology, persistent infection, pneumonia, man 2017.
etiology, pneumonia, man 789.
eye diseases, drug sensitivity testing, case surveys 7111.
R factor, phage HP1, DNA, insertion, lysogency 2898.
R factor RSF0885, transformation, recombination 2953.
R factors, antibiotic resistance, ampicillin, tetracycline, chloramphenicol, genetic relationship 1677.
growth, cefotetan, antibacterial activity 5926.
immunoglobulin A proteinase, characterization, role, infection, man 9728.
infection, ampicillin antibiotic resistance, children 10474.
infection, association, multiple myeloma, man 10454.
infection, cefaclor, rifampacin, prophylaxis, association, saliva, serum levels, man 11990
infection, children, antibiotics treatment 10578.
infection, children, meningitis, treatment, chloramphenicol 10424.
infection, clinical aspects, pathology, man, reviews 5378.
infection, fever, children 7123.
infection, foot pathology, children 6294.
infection, guinea-pigs, effects on lung β-adrenergic receptors 13366.
infection, kinetics, vaccination, inoculation route, effects on, animal models 965
infection, man, antibacterial activity, ceftriaxone 9216.
infection, man, identification, counter immunoelectrophoresis 11966.
infection, man, meningitis, moxalactam treatment 9168.
infection, man, otitis media, bacteriology, reviews 10333.
infection, man, otitis media, treatment, antibacterial agents 10337.
infection, relationship, meningitis, exposure, man 4467.
infection, treatment, antibiotic 6059-S, children 1752.
infection, treatment, cefamandole, children, infants 2217.
infection, treatment, cefamandole, meningitis complications, children 2216.
infection, treatment, cefotiam, children 2248.
infection, treatment, cefotiam, children 2306.
infection, treatment, Chloramphenicol, man 3463.
infection, treatment, moxalactam, man 7188.
infectious diseases, diagnosis, counter immunoelectrophoresis, latex agglutination, man 8908.
influenza A virus, nasal infection, experimental infection, synergism, neonates, rats 2346.
isolation, sputum, man 4356.
lipopolysaccharides, effects on, trachea, cilia, rabbits, animal models 11751.
membrane composition, subtypes, biotyping 4694.
meningitis, acetaminophen treatment, man 10588.
meningitis, ampicillin+chloramphenicol, cefuroxime, treatment comparison, man 13218.
meningitis, association, cerebrospinal fluid ceftriaxone levels, bactericidal activity, man 11845.
meningitis, association, nystagmus, pathology, man, case reports 889.
meningitis, association, opsoclunus, case reports, man 11844.
meningitis, association, viruses, nasopharynx isolates, children 5336.
meningitis, cefotaxime treatment, children 6238.
meningitis, children, case reports 7062.

Haemophilus influenzae, (continued)
meningitis, clinical aspects, children 10417.
meningitis complications, relationship, cerebrospinal fluid levels, man 11850.
meningitis, computed tomography, children, clinical aspects 6237.
meningitis, diagnosis, Gram stain, man 3409.
meningitis, diagnosis, latex agglutination, cerebrospinal fluid, man 11838.
meningitis, diagnosis, latex agglutination, counter immunoelectrophoresis, man 903
meningitis, diagnosis, treatment, man 9171.
meningitis, etiology, infants, reviews 2131.
meningitis, immune response, leukocytes (neutrophilic), macrophages, phagocytosis, neonates, rats 8955.
meningitis, incidence, children, USA 7071.
meningitis, incidence, pathology, clinical aspects, man, France 891
meningitis, latex agglutination, , Streptococcus pneumoniae 2110.
meningitis, lipopolysaccharides, antibody response, serum levels, man 6911.
meningitis, penicillinase detection, neonates, man 886.
meningitis, predisposing factors, diagnosis, man, case surveys 9174.
meningitis, prognosis, children 9173.
meningitis, treatment, β-lactam antibiotics, animal models 7073.
meningitis, treatment, antibiotic 6059-S, children 2134.
meningitis, treatment, antibiotic 6059-S, man 2020.
meningitis, treatment, cefoperazone, comparison, penicillins, gentamicin, animal models 11847.
meningitis, treatment, ceftazidime, pharmacokinetics, rats 5344.
meningitis, treatment, chloramphenicol, children 7060.
meningitis, treatment, man 2114.
meningitis, treatment, pharmacokinetics, chloramphenicol, intravenous administration, oral administration, infants, man 2133.
meningoencephalitis, septicemia, association, multiple myeloma, man, case reports 3416
moxalactam± penicillins, antibacterial activity 5922.
Norflaxacin, antibacterial activity, comparison, chemotherapeutics, oral administration 9982
nose carriers, man, Papua New Guinea 11945.
nose isolation, association, otitis media, man 7971.
novobiocin antibiotic resistance markers, association, plasmids gene expression 12770.
osteomyelitis, diagnosis, treatment, electrophoresis, man 13350.
otitis, diagnosis, treatment, antibiotics, man 766.
otitis media, animal models 6182.
otitis media, antibiotic resistance, association, ampicillin treatment, children 10324.
otitis media, association, effusion, etiology, children 11745.
otitis media, children 738.
otitis media, etiology, methodology, Gram stain, counter immunoelectrophoresis, man 775.
otitis media, treatment, cefaclor, children 13153.
penicillinase, detection, use, indirect fluorescent antibody test 1518.
penicillinase, detection, use, pyridinium-2-azo-p-dimethylaniline chromophore 8268
penicillins, chloramphenicol, leukocytes (polymorphonuclear), transport, antibacterial activity, infection 6792.
pericarditis, diagnosis, clinical aspects, infants, man 8065.
plasmid RSF0885, recombination, structure 8726.
plasmids, penicillinase, transient survival, transfer, Neisseria gonorrhoeae 2912.
pneumonia, amoxicillin treatment, man 11739.
pneumonia, association, myeloma, man, case reports 788.
pneumonia, complications, measles, man 3330.
pneumonia, treatment, cefonicid, cefamandole, man 7001
pneumonia, treatment, ceforanide, man 3311
pneumonia, treatment, cefotaxime, man 7002.
polysaccharides, antigenic characteristics, structure, immunostimulation, lymphocytes B, mice 6883.
polysaccharides, carbohydrate composition, antigenic characteristics 4261.
proteins, role, DNA uptake 1365.
psoralen+U.V. radiation, DNA repair, role, gene products 3893.
recombination defective mutant, plasmids cloning 12769.
recurrent infection, association, outer membranes proteins, man 11999.
respiratory tract bacteria, antibacterial activity, β-lactam antibiotics, erythromycin, man 805.
respiratory tract infection, cefoperazone, clinical trials, man 7970
respiratory tract infection, cefoperazone treatment, man 10349.
respiratory tract infection, cefotaxime treatment, man 6176.
respiratory tract infection, treatment, bacampicillin, amoxicillin, man 13121.
respiratory tract infection, treatment, cefaclor, man 6991.
rifampicin, antibiotic resistance, mutation 9986.
rifampicin resistance, association antibiotics treatment 8795.
RSF0885, transformation, frequency 2954.
serotypes, meningitis, treatment, man, case reports 4444.
serotyping, counter immunoelectrophoresis, agglutination 3794.
serotyping, meningitis, man 9167.
sinusitis, diagnosis, man 13133.
sinusitis, man 764.
sputum isolation, pneumonia, bronchitis, man 763.
transformation, R factor RSF 0885 DNA 5883
typing, agglutination 2557.
U.V. radiation damage DNA, photoreactivation induction DNA repair 11047.
U.V. radiation, effects on, DNA, composition 11060
vaccination, antibody response, Hodgkin's disease, man 650.
vaccination, clinical trials, relationship, age, children 11649
vaccination, immunoglobulin A, immunoglobulin G, serum levels, man 10246.
virulence, correlation, susceptibility, complement, animal models 5197.
Waterhouse-Friderichsen syndrome, clinical aspects, case reports, man 13294.

Haemophilus influenzae type b,
antibiotic resistance, soft tissue infection, treatment, infants 2179
arthritis, children, case reports 5399.
cellulitis, clinical aspects, treatment, children 679.
infection, disease transmission, institutions, children 4524.
man, meningitis, ampicillin resistance, association, penicillinase biosynthesis 8816.
meningitis, children, disease transmission, prophylaxis, rifampicin drug resistance, case reports 8856.
polysaccharides+proteins complex, association, antibody response, lymphocytes stimulation, rabbits, neonates 3195.

Haemophilus influenzae type b, (continued)
polysaccharides+proteins complex, vaccination, antibody response, man 3243.
recurrent infection, treatment, infants, man 3547.

Haemophilus influenzae type c,
meningitis, treatment, neonates, man, case reports 2121.
septicemia, neonates, man, case reports 8062.

Haemophilus ovis,
isolation, vagina discharges, sheep, Canada 7234.

Haemophilus paragallinarum,
biochemical characteristics 12261.
hemagglutinins, characterization, serotypes 511.
hemagglutinins, inhibition, lipopolysaccharides 518.
hemagglutinins, preparation, media 4253.
polysaccharides, detection, latex agglutination assays, chickens 6032.

Haemophilus parahaemolyricus,
vaccination, pleuropneumonia, pigs 665.

Haemophilus parahaemolyticus,
effects on macrophages, monocytes, testis cells, lavage cells, pigs 1812.
infection, diagnosis, latex agglutination, pigs 5188.
pleuropneumonia, pathogenesis, clinical aspects, pigs 10645.
serotyping, detection, indirect fluorescent antibody test 47.
vaccines, field trials, pigs 10255.

Haemophilus parahemolyticus,
animal isolates, domestic animals, antibiotic sensitivity testing, Netherlands 3000

Haemophilus parainfluenzae,
antibacterial activity, β-lactam antibiotics 9942.
antibiotic resistance, ampicillin, plasmids, transfer, penicillinase, role 7839.
arthritis, man, case reports 2311.
bronchitis, bacampicillin treatment, man 13125.
chorioamnionitis, man, case reports 5414.
differential diagnosis, Haemophilus influenzae, identification, media (culture), methodology 12242.
DNA (adenosine-6-)-methyltransferase, purification, physicochemical properties, substrate specificity 12509.
electron transport chain, quinones specificity 9666.
endocarditis, ECG, man 5368.
meningitis, clinical aspects, man, case reports 8012.
microflora, maxillary sinus, man 673.
paronychia, etiology, children 2211.
plasmid pJB1, penicillinase, characterization, comparison, Haemophilus ducreyi, Neisseria gonorrhoeae 2946.
pneumonia, complications, measles, man 3330.

Haemophilus paraphrophilus,
abscesses, brain, children, case reports 3417.
pneumonitis, ampicillin, antibiotic resistance, new records, case reports, man 6993.

Haemophilus parasuis,
pneumonia, differential diagnosis, gnotobiotics (specific pathogen free), pigs 3589.
vaccination, immunity, pigs 13054.

Haemophilus pleuropneumoniae,
animal isolates, antibiotic resistance 8797.
infection, diagnosis, pathology, clinical aspects, treatment, pigs 1079.
infection, pigs, diagnosis, association, complement fixation, evaluation 8277.
pleuropneumonia, epidemiology, pigs 9362.
pneumonia, animal isolates, pigs, antibacterial agents, susceptibility 5904.
pneumonia, differential diagnosis, gnotobiotics (specific pathogen free), pigs 3589.

Haemophilus segnis,
infection, man, clinical aspects, pancreas abscesses, association septicemia 8053.

Haemophilus somnus,
effects on cattle endothelium cell culture 9659.
genital microflora, cattle 9326.
genitourinary tract infection, cattle 9353.
growth, nutrient requirements, thiamine pyrophosphate, media (culture) 1390.
infection, cattle, immunity (humoral), antibody response 8993.
isolation, cattle semen, epizootiology 9355.
serum bactericidal activity, assays 5214.
ultrastructure, electron microscopy 91.

Haemophilus vaginalis,
genital tract infection, treatment, diagnosis, females, man 2093.
identification, methodology 2542.
infection, diagnosis, clinical aspects, vagina, man 4494.
media (isolation), 2511.
morphology, metronidazole, tinidazole, effects on 9609.
sexually-transmitted diseases, isolation, identification, characterization 11854.

Hafnia,
moxalactam, antibacterial activity, in vitro 351.

Hafnia alvei,
infection, Costelytra zealandica 8126.

Hair,
biodegradation, soil Streptomyces 8424.

Hairy cell leukemia,
association, Mycobacterium kansasii, Mycobacterium intracellulare, infection, man, case reports 2194.
association, tuberculosis, man, case reports 9281.

Hairy root,
Agrobacterium rhizogenes, host range, reviews 4609
Agrobacterium rhizogenes, pathogenicity, role, plasmids, tissue culture, Nicotiana tabacum 4612.

Haiti,
immigrants, USA, incidence, tuberculosis, drug resistance 13293.

Half-life,
PCB, Bacillus 8369.

Haliscomenobacter hydrossis,
growth rate 7471.

Haloacetate dehalogenase,
purification, characterization, Pseudomonas 3996

Halobacterium,
bacteriorhodopsin, +phosphatidylcholine vesicles, lipid bilayers, characterization, freeze-fracture, conferences 2690.
growth, ecology, water potential effects on, reviews 13506.
halocins, biosynthesis, antibacterial activity 9975
membrane structure, isolation, salt lakes,

Halobacterium, (continued)
2-O-sesterterpanyl-3-O-phytanyl-sn-glycerol 8643.
purple membranes, bacteriorhodopsin, characterization retinylidene chromophores lysine attachment sites 4776
purple membranes, bacteriorhodopsin, orientation retinal chromophores, fluorescence 4789
Halobacterium cutirubrum,
antibiotic sensitivity testing 312
membrane glycoproteins, thermal stability 9724.
pyruvate kinase, purification, characterization 12612.
ribosomal protein L12, amino acid sequence, comparison ribosomal proteins Micrococcus luteus 2712.
Halobacterium halobium,
bacteriorhodopsin, arginine, role, protons pumps 4785
bacteriorhodopsin, interaction retinal analogs 3873.
bacteriorhodopsin, photocycles, kinetics 1424
bacteriorhodopsin photocycles pathway 12500
bacteriorhodopsin, photoelectric properties, reconstitution, models membranes 7479.
bacteriorhodopsin, photons, photochemistry, ratio, purple membranes 3887.
bacteriorhodopsin, purple membranes, protons pumps, pH effects, photochemistry 2675.
bacteriorhodopsin, retinol binding, purple membranes, amino acid sequence 2674
bacteriorhodopsin, retinol proteins interaction 3872.
bacteriorhodopsin, structure, electric currents effects on 5691
bacteriorhodopsin, structure, reviews 4783.
chemotaxis, membrane proteins methylation, calcium regulation 8370.
chromatophores orientation, membranes 5692
electric fields effects on polarization membranes, role membrane proteins, Rhodospirillum rubrum 12297
glycoproteins, carbohydrate composition, structure 5805
growth, morphology, ions, thermodynamics 2604.
halocins, biosynthesis, antibacterial activity 9975.
I.R. spectroscopy, bacteriorhodopsin protonation 9668.
light induction protons binding purple membranes, pH, temperature, ionic strength effects on 3881
magnesium role cell membranes permeability 7400.
membrane vesicles photophosphorylation 11026.
membranes, gradients, potassium, sodium, role, ATP biosynthesis 10946.
membranes, halorhodopsin, photoinduction 4787
methylation, calcium ions, role, phototaxis 10949
methylation, role, chemotaxis, phototaxis 12330.
mutants, cytochrome b, isolation, characterization 2679.
phage ΦH, characterization 5859
phototaxis, role, calcium, methylation 8393
phototaxis, role, protons detection 1343.
pigments identification, photocycles 12498
protein biosynthesis, growth, temperature effects, salinity tolerance, Mexico 2655
protons pumps, bacteriorhodopsin, purple membranes, C.D. 2676.
purple membranes, bacteriorhodopsin, chemical modification, linkage regions 5695
purple membranes, bacteriorhodopsin, fluorescamine chemical modification, C.D. 6560
purple membranes, bacteriorhodopsin, identification retinal attachment sites, role lysine 4838.
purple membranes, bacteriorhodopsin, interaction lipids, membranes, reconstitution 7404
purple membranes, bacteriorhodopsin, light induction 6556.
purple membranes, bacteriorhodopsin, lipid membranes reconstitution, protons pumps kinetics 7408.
purple membranes, bacteriorhodopsin, protons pumps, mechanisms, reviews 12284
purple membranes, bacteriorhodopsin, protons pumps, role C-terminus regions 7409.
purple membranes, bacteriorhodopsin, retinylidene chromophores, I.R. spectroscopy, mechanisms protons pumps 6555
purple membranes, brown holo-membranes, phase transition, X-ray diffraction, C.D., absorption spectroscopy 4784.
purple membranes, enthalpy, spectroscopy, bacteriorhodopsin intermediates 6565.
purple membranes, freeze-fracture, morphology, characterization 5690.
purple membranes, temperature effects, pH effects 145.
purple membranes, ultrastructure, electron microscopy 6550.
purple membranes, vesicles, urease, reconstitution, temperature effects on 6623.
Raman spectroscopy, β-carotene, membrane potential, rhodopsin, reconstitution, vesicles 6546.
Raman spectroscopy, rhodopsin, purple membranes 6547
role halorhodopsin, energetics, membrane potential 7487.
Halobacterium salinarium,
growth, morphology, ions, thermodynamics 2604.
mutants, gas vacuoles, morphology, proteins, characterization 2626.
Halobacterium volcanii,
growth, morphology, ions, thermodynamics 2604.
Halocins,
biosynthesis, antibacterial activity, Halobacterium 9975.
Halococcus,
membrane structure, isolation, salt lakes, 2-O-sesterterpanyl-3-O-phytanyl-sn-glycerol 8643.
Halodule wrightii,
rhizoplane bacteria isolates, heavy metals sensitivity, estuaries, USA, North Carolina 7344.
Halophiles,
bacteria, fatty acid composition, evolution, thin-layer chromatography 1557.
Halophilic bacteria,
isolation, Scomber japonicus, histamine formation 7640.
isolation, USA, California, Mexico, morphology, cell shape 12327.
Pseudomonas, Acinetobacter, Flavobacterium, Caulobacter 5546.
salinity tolerance, sea water 6441.
Haloquinone,
biosynthesis, isolation, mycelia, Streptomyces venezuelae, antibacterial activity, association, DNA biosynthesis 9918.
structure, derivatives, Streptomyces venezuelae 9919.
Halorhodopsin,
photoinduction, membranes, Halobacterium halobium 4787.
role, energetics, membrane potential, Halobacterium halobium 7487.
Halosporobacterium patis gen.nov. sp.nov.,
cultural characteristics, spores, isolation fermented food 5576.
Ham,
botulism, source 823.
Hand,
Klebsiella aerogenes survival, relationship, outbreaks, hospitals, man 3517.
Nocardia asteroides infection, treatment, complications, man, case reports 687.
personnel, hospitals, Acinetobacter, Klebsiella, Enterobacter, nosocomial infection, man 3515.
skin microflora, man 11653.
skin, microflora, man, characterization 6141.
Haptens,
Yersinia enterocolitica, comparison, Brucella, antigenic determinants 13002.
Haptoglobin,
dapsone effects on, leprosy treatment 6145.
effects on Escherichia coli experimental infection, rats 4515.
types, effects on, infection, Streptococcus pyogenes, man 1897.
Harvesting,
shoots, Lotus corniculatus, association, nodules characterization, activity 8191.
Hatch-Slack pathway,
dicarboxylate transport defective mutant, Rhizobium trifolii, association, nodulation, Trifolium repens 5538.
Haute-Volta,
Salmonella, isolation, characterization 2535.
Hay,
acidic, effects on coliforms population levels, feces, juveniles, cattle 9325.
contamination, role, salmonellosis, Salmonella anatum, cattle 1116.
spoilage, Actinomycetes, ammonia, antibacterial activity 6835.
Hazards,
contamination, airborne microorganisms, open heart surgery, association, laminar air flow, air filtration 12189.
Head and neck,
carcinoma, Streptococcus pneumoniae vaccination antibody response, 658.
fascia, infection, diagnosis, computed tomography, man 8041.
infection, anaerobic bacteria, man 13260.
infection, complications, man, case reports 3509.
surgery, postoperative infection, prophylaxis, carbenicillin, man 937.
surgery, postoperative infection, prophylaxis, use, povidone-iodine, man 2260.
Healing,
tubers, Erwinia carotovora, bactericidal activity, dichlorophen, effects on, Solanum tuberosum 2406.
Health,
association, risk factors, toxic shock syndrome, man 10125.
Hearing loss,
association, bacteria meningitis, children, infants, man 7065.
Heart,
artery lesions, association, tuberculosis, man, case reports 7202.
association, binding proteins, isolation, Streptococcus pyogenes 11111.
bacteria, endocarditis, treatment, surgery, man 4460.
bacteria, postoperative infection, treatment, man 3475.
brain infusion, media (culture), Neisseria gonorrhoeae, growth conditions, methodology 12205.
calcium overload, association, endotoxemia, Escherichia coli, endotoxins, rats 1814.
catheterization, association, Peptostreptococcus endocarditis, treatment, clinical aspects, man, case reports 2266.
catheterization, neonates, man, association, necrotizing enterocolitis 10360.
cells, man, Streptococcus pyogenes lipoteichoic acid glycolipids cytotoxicity 12696.
coupling factor B, immunoassays, cattle 4250.
cytochrome c oxidase, structure, reaction mechanisms, cattle 185.
dogs, glycolysis, Escherichia coli, endotoxins, effects on 3133.
endothelium, animals, adherence, gram-negative bacteria, gram-positive bacteria, tissue culture 2621.
function, association, leprosy, man 11666.
histamine sensitization factors effects on, Bordetella pertussis, toxicity, rats 6092
man, infection, Streptococcus group A, antibodies detection, association, immune serum 9015.
man, postoperative infection, bacteria, iodopyron treatment 11865.
p-nitrophenylphosphatase, endotoxins effects on, dogs 495.
pathology, Corynebacterium pseudotuberculosis infection, sheep 5466.
pathology, diphtheria, children, case reports 3327.
pathology, endocarditis, Actinobacillus actinomycetemcomitans, man, case reports 2183.
pathology, rheumatic fever, children 5389.
pathology, typhoid fever, man 2034.
pigs, juveniles, Escherichia coli endotoxins effects on 483.
surgery, cephalosporins, prophylaxis, bacteria, postoperative infection, man 2252.
surgery, nosocomial infection, Pseudomonas maltophilia bacteremia, children 960.
surgery, postoperative infection, endocarditis, gram-negative bacteria, man 5420.
surgery, postoperative infection, prophylaxis, ampicillin, cefazoline, timing, man 3513
surgery, rupture bacteria brain aneurysm association, man 6242.
transplantation, association, legionnaire's disease, treatment, man, case reports 796
valves abscesses, association, endocarditis, echocardiography, man 10452.
valves replacement, antibiotics sterilization, prophylaxis, graft-versus-host reaction, man 1006.
valves replacement, association, bacteria endocarditis, man 10448.
Heart diseases,
relationship, Streptococcus viridans, endocarditis, man, Streptococcus viridans, case reports 2257.
valves, association, endocarditis, bacteria, treatment, antibiotics, man 1043.
Heartwater,
goats, Cowdria ruminantium infection, plasma pigmentation 9345.
Heartwater fever,
immunity, dithiosemicarbazone effects on, sheep 8953.
Heat,
activation, Bacillus subtilis, spores, formaldehyde disinfection 11447.
Bacillus cereus cysts resistance 11473.
Bacillus subtilis, induction DNA injuries, association, spore germination, DNA repair 7500.
dry, disinfection, contamination, bacteria, fungi, swelling agents 426.
effects on Staphylococcus aureus γ-toxin 3123.
fixation, Mycobacterium tuberculosis, survival, sputum, slides, role infection man 4674.
induction DNA injuries, Bacillus subtilis spores 7499.
resistance, bacteria, dairy products sterilization, conferences 10842.

- **Heat, (continued)**
  - resistance, mesophilic bacteria, milk sterilization 9658.
  - resistance, psychrophilic bacteria, milk sterilization 9656.
- **Heat inactivation,**
  - antigenicity, Vibrio cholerae, enzyme-linked immunosorbent assay 10166.
  - antigens, Legionella pneumophila, use, diagnosis, infection 8898.
  - Clostridium botulinum, toxins, beef, mushrooms 5160.
  - Clostridium perfringens, enterotoxins 7883.
- **Heat resistance,**
  - Bacillus stearothermophilus spores, bioassays, sterilization 7414.
  - Bacillus subtilis spores, freeze drying effects on 1764.
  - bacteria, spores 8390.
  - Campylobacter fetus subsp.jejuni, survival, poultry 8832.
  - Clostridium botulinum, phosphate buffers, meat, crabs 2652.
  - Escherichia coli, incubation temperature effects on, association, fatty acid composition 5989.
  - lipase, Pseudomonas, characterization 5764.
  - Micrococcus radiodurans, growth rate effects on 7444
  - Micrococcus radiodurans, growth rate effects on 7464.
  - non-fermentative gram-negative bacteria, growth, relationship virulence 8452.
  - Pseudomonas, lipase, activity, ultrahigh temperature pasteurization, dairy products 8596
  - Salmonella senftenberg, association, sucrose concentration 8392.
  - spores, viability, Bacillus subtilis, Bacillus megaterium, ethidium bromide, acriflavin, daunomycin, effects on 3093.
- **Heat shock,**
  - activation, gene expression, Escherichia coli, books 13537.
  - cell membranes, fluorescent probe, 1-anilino-8-napthalensulfonic acid, Escherichia coli 8365
- **Heat tolerance,**
  - Sporolactobacillus inulinus spores, media components effects on 4717.
  - Thermoactinomyces vulgaris, phosphatase, enzymatic activity, role, cations 2763.
- **Heat treatments,**
  - Bacillus spores, isolation, soil 12137
  - phage λ prophages induction, Escherichia coli rRNA degradation 5860.
  - thermal injury, viability, bacteria 1332.
- **Heavy chains,**
  - antibodies, Neisseria meningitidis, antisera, identification, horses, in vitro 4273.
- **Heavy metals,**
  - air pollution, effects on, bacteria, microflora, leaves, Pinus nigra 6410.
  - drug resistance, bacteria, pollution effects, sediments, lakes, USA, Vermont 2462
  - drug resistance, Escherichia coli, surface water isolates 11443.
  - drug resistance, Pseudomonas aeruginosa, Escherichia coli, marine environment 459
  - environmental impact, aquatic ecosystems, sediments, microcosms 9489.
  - inhibition, Escherichia coli, growth 11464.
  - resistance, Streptomyces relationship pigments production, soil pollution, copper 7871.
  - sensitivity, bacteria isolates, rhizoplane, Zostera marina, Halodule wrightii, sediments, estuaries, USA, North Carolina 7344
- **Hedysarum boreale,**
  - growth, Rhizobium, interaction, Glomus fasciculatus, effects on 5516.
- **HeLa cells,**
  - association, tissue culture, function, enterotoxins effects on, Clostridium difficile 7899.
  - bacteria adherence, estrogens effects on 3829.
  - cell culture, Escherichia coli enterotoxins effects on 1826.
  - Chlamydia trachomatis, chronic infection 19.
  - growth, inhibition, Actinomyces, Streptococcus, oral cavity isolates 8895.
  - interaction, Escherichia coli, Staphylococcus aureus, cell density, chlamydia trachomatis, effects on 22
  - interaction, Salmonella typhimurium, chemotaxis, glycine 8375.
  - interaction, Yersinia enterocolitica, penetration, infectivity 10143.
  - membrane proteins, antibodies, neutralization, infectivity, Chlamydia trachomatis 13036
  - membranes, ATP, Clostridium difficile cytotoxicity effects on 6021.
  - Yersinia enterocolitica serotypes infectivity, association, virulence, antigenic characteristics 4263.
- **Helianthus,**
  - Agrobacterium tumefaciens, crown gall, iron assimilation, relationship, virulence, plasmids 2413.
- **Helianthus annuus,**
  - crown gall, Agrobacterium tumefaciens, tumorigenesis, temperature, effects on 4608
  - crown gall, isolates, Agrobacterium tumefaciens, plasmid pTi DNA transcription, RNA characterization 4136.
  - crown gall, octopine synthase genes, location Ti plasmid, gene expression, Agrobacterium tumefaciens 7689.
  - wilt, Erwinia carotovora subsp.carotovora, Xanthomonas campestris 9397.
- **Helianthus giganteus,**
  - cotyledons, Agrobacterium tumefaciens, crown gall tumors 9413.
- **Helianthus tuberosus,**
  - antibiotics, antibacterial activity 307.
- **Helicase,**
  - Escherichia coli, complex, association, ATP, DNA, characterization 9711
- **Helicase II,**
  - stimulation DNA biosynthesis, replication forks unwinding, Escherichia coli 11057.
- **Heliomycin,**
  - Actinomycetes, biosynthesis 11372.
- **Heliothis,**
  - contaminants, diets, larvae 1130.
- **Heliothis armigera,**
  - larvae, susceptibility, Bacillus thuringiensis 9382
- **Heliothis zea,**
  - putrescine, hemolymph, physiology, gut microflora biosynthesis 8127
- **Helium,**
  - pressure, effects on mutagenesis, growth, Salmonella typhimurium 2635.
- **Helix,**
  - proteins, structure, pili, spikes, bacteria, viruses 1375
- **Helminthosporium,**
  - spore germination, Azotobacter effects on 13457
- **Helper cells,**
  - immune response, Mycobacterium kansasii infection, mice 4298.
- **Helper cells, (continued)**
  - interaction, histocompatibility antigen HLA DR determinants, role, resistance, dental caries, man 7951.
- **Helper factor,**
  - lymphocytes blastogenesis, mitogens, man 5212.
- **Hemadsorption,**
  - identification, Mycoplasma pulmonis, Mycoplasma neurolyticum, Mycoplasma arthritidis, isolates, mice 3799.
- **Hemagglutin,**
  - Haemophilus avium, characterization, role pathogenicity, chickens 9346.
- **Hemagglutination,**
  - activity, Escherichia coli, hydrophobicity, enterotoxins association, comparison, colonization factors antigens 7923.
  - association, serum temperature, syphilis, diagnosis, man 4248.
  - colonization factor, Escherichia coli, clinical isolates, enterotoxins, pigs 1835.
  - diagnosis, neurosyphilis, man 3160.
  - Escherichia coli, pili formation, adherence, association, antigens 10156.
  - Escherichia coli, relationship, enterotoxins, diarrhea, infants, man 3142.
  - Escherichia coli, trimethoprim, sulphonamides, effects on 8827.
  - glycolipids antigens, detection, tuberculosis, man 1974.
  - Pseudomonas aeruginosa, lectins, Escherichia coli, blood groups determinants, sugars, interaction 1857.
  - Salmonella antibodies, antigen O erythrocytes attachment, immunosuppression, aminoglycoside antibiotics, polymyxin B 7921.
  - tests, specificity, Treponema pallidum, antibodies detection, syphilis 6025.
- **Hemagglutinin,**
  - influenza A virus, antigenic determinants, Escherichia coli, gene expression 6720.
- **Hemagglutinins,**
  - association, epithelium cells protection, Vibrio cholerae infection 11612.
  - Chlamydia tissues infection, isolation, characterization 4260.
  - Escherichia coli, pili, antigenic characteristics 6885.
  - Haemophilus paragallinarum, characterization, serotypes 511.
  - Haemophilus paragallinarum, inhibition, lipopolysaccharides 518.
  - Haemophilus paragallinarum, preparation, media 4253.
  - influenza virus, antigenic determinants, expression, Escherichia coli 1624.
  - influenza virus, gene expression, cloning, Escherichia coli, mammalian cells 9827.
  - isolation, characterization, Fusobacterium nucleatum cell walls 12558.
  - Myxococcus xanthus, localization, periplasmic space, cell surface, association, developmental stages 5194.
  - Myxococcus xanthus, purification, characterization 5191.
  - Myxococcus xanthus receptors, binding 3827.
  - pili, Serratia, characterization 10165.
  - resistance, mannose, Escherichia coli, serological surveys 3238.
  - serum levels, blood groups, man, Streptococcus group B vaccines effects on 10256.
  - typing, association, Escherichieae identification 2570.
- **Hematin,**
  - effects on Streptococcus faecalis subsp.zymogenes growth, glycerol media (culture) 1383.
  - stimulation, growth, Peptococcus saccharolyticus, strains, colonial characteristics 9614.
- **Hematological diseases,**
  - Pseudomonas infection, antibiotic sensitivity testing, amikacin treatment 6784.
- **Hematology,**
  - use diagnosis, infection, neonates, man 10539.
- **Hematopoiesis,**
  - mice, post-irradiation Propionibacterium granulosum treatment effects on 9024.
- **Hematopoietic cells,**
  - precursors, bacteria cell walls components effects on, mice 12736.
- **Hematuria,**
  - Escherichia coli, incidence, kidney abscesses, association, carcinoma, kidney, man, case reports 4429.
- **Heme,**
  - characterization, hydroxylamine reductase, E.S.R., Nitrosomonas europaea 11182.
  - cytochrome P-450 reconstitution, E.S.R., Pseudomonas putida 3885.
  - environments, cytochrome cd1, Raman spectroscopy, Pseudomonas aeruginosa, Paracoccus denitrificans 6610.
  - enzymes, Salmonella minnesota endotoxins effects on, liver, mice 11513.
  - interactions, cytochrome c, cytochrome b, Raman spectroscopy, Paracoccus denitrificans 10966
  - Pseudomonas aeruginosa cytochrome oxidase, Raman spectroscopy 11157.
  - Rhizobium japonicum, biosynthesis, iron nutrient deficiencies effects on 9696.
- **Heme c,**
  - Rhodopseudomonas sphaeroides, protoheme, levels, absorption spectroscopy 2845.
- **Hemicellulose,**
  - biodegradation, bacteria 10975.
  - clostridium acetobutylicum, biodegradation, butanol production 9817.
  - transformation, association, yeasts, bacteria 8420.
- **Hemin,**
  - effects on, gram-negative bacilli, growth, association, colistin 7768.
- **Hemocytes,**
  - Crassostrea virginica, chemotactic factors, Bacillus megaterium, Escherichia coli, glycoproteins, lipoproteins 8634.
- **Hemodialysis,**
  - association, bacteria endocarditis, man 11989.
  - association, peritonitis, bacteria, man, case reports 3458.
  - association, tuberculosis, diagnosis, man 947.
  - association, tuberculosis, ethnic groups, man 13148.
  - endotoxins bacteria removal, ultrafiltration, experimental infection, dogs 1833.
  - +plasmaphoresis, treatment hemolytic uremic syndrome, association Campylobacter colitis, treatment, infants, man 6219.
  - shunts, association, Staphylococcus aureus, bacteremia, man 3442.
  - tuberculosis incidence, diagnosis, man 5413.
- **Hemodynamics,**
  - Escherichia coli, endotoxins, endotoxemia, sheep 3136.
  - horses, Escherichia coli, endotoxin shock, treatment, flunixin meglumine 3139.
- **Hemoglobin,**
  - chemical modification, rats, effects on sepsis tolerance 11876.
  - Neisseria gonorrhoeae, media (isolation) 1262.
- **Hemoglobinuria,**
  - association, necrobacillosis, cattle, juveniles 5456.
- **Hemoglobulinuria,**
  - Clostridium novyi, Clostridium hemolyticum, Fusobacterium necrophorum, cattle, juveniles, case reports 8113.

Hemolymph,
Anthonomus grandis, Staphylococcus aureus infection effects on 8132.
histopathology, Bacillus thuringiensis δ-endotoxin, toxicity, Pieris rapae, Lymantria dispar, Ephestia cautella 10095
immune response, pathogenicity, Bacillus cereus, Galleria mellonella 7948
immunity, effects on ultrastructure, Pseudomonas aeruginosa, Galleria mellonella 10234.
pathogens, biological control, larvae, Bacillus thuringiensis, Achoea janata 4599.
pH, ions, Bacillus thuringiensis effects on, Achoea janata, Spodoptera litura 9384.
putrescine, physiology, Heliothis zea 8127
Hemolysin,
Escherichia coli, effects on viability, leukocytes 6864
Treponema hyodysenteriae, Treponema innocens, characterization, purification 463.
α-Hemolysin,
Escherichia coli, genes, expression, plasmids 9888.
Staphylococcus aureus, purification, amino acid sequence 2729
β-Hemolysin,
activity, Staphylococcus aureus, association Furunculosis 12973
δ-Hemolysin,
mechanisms activity, Staphylococcus aureus 11504
physicochemical properties, fluorescence, gel filtration, Staphylococcus aureus 5151
Hemolysins,
activity, Staphylococcus aureus, association, toxic shock syndrome, characterization 11524
Aeromonas hydrophila, accumulation, media 1804
Aeromonas hydrophila, effects on plasma membranes fibroblasts, man 6024.
Aeromonas hydrophila, induction plasma membranes lesions, fibroblasts, lung, man 11502.
biosynthesis, Escherichia coli plasmid pCW2, association nephrotic syndrome 7699.
biosynthesis, Escherichia coli, relationship, virulence, mice 470.
biosynthesis, Pseudomonas aeruginosa, association, benzalkonium chloride sensitivity, relationship, virulence 11542.
biosynthesis, Pseudomonas aeruginosa, relationship, virulence 11541
biosynthesis, Staphylococcus epidermidis, Staphylococcus haemolyticus, lincomycin effects on 8875
determinants, plasmids, cloning, function, Escherichia coli 12779.
erythrocytes lysis, Aeromonas hydrophila 5158
Escherichia coli, biosynthesis 1800.
Escherichia coli, toxicity, genetic analysis 11479
gastrointestinal tract infection, man, effects on Escherichia coli virulence 7995
Listeria monocytogenes, biosynthesis, role iron 10070
Staphylococcus aureus, coagulase, release, inoculum size, time, effects on 2781.
Streptococcus faecium, characterization 472.
streptococcus, isolation, purification, characterization 5996
Treponema hyodysenteriae, characterization 464
urinary tract clinical isolates, Escherichia coli, biosynthesis, relationship, virulence, animal models 3151
Vibrio parahaemolyticus, biosynthesis, pH effects 467
Yersinia entercolitica, biosynthesis, characterization 1808
α-Hemolysins,
Staphylococcus aureus, antibodies, enzyme immunoassay, milk 499
Hemolysis,
assays, detection, Escherichia coli enterotoxins 4226
association, diagnosis, Clostridium perfringens septicemia, neonates, man, case reports 3466
diagnosis, Brucella abortus brucellosis, cattle 2341
erythrocyes, Vibrio vulnificus strains 7467
Listeria monocytogenes, CAMP test, taxonomic revision 10923.
role, bacteria detection, blood 2530.
Streptococcus pneumoniae, pneumolysin, deficient mutant, isolation, characterization 8706
tests, antigens, Brucella abortus, antibodies, radiometry, characterization 6029
Hemolytic anemia,
man, Mycoplasma pneumoniae, treatment 8069
man, pleural effusion isolates, Salmonella oranienburg, characterization 9214
Hemolytic uremic syndrome,
association Campylobacter colitis, treatment, infants, man 6219
Hemophilia,
complications, Staphylococcus aureus, arthritis, man 2312.
Hemorrhage,
conjunctiva, Rocky Mountain spotted fever, Rickettsia rickettsii, association, diagnosis, treatment, man 9287.
Escherichia coli endotoxins, effects on vascular system permeability, dogs 11500.
Leptospira interrogans var. icterohaemorrhagiae experimental infection, dogs 9367
Hemorrhagic enteritis,
Campylobacter sputorum subsp.mucosalis, isolation, identification, pigs 13386.
Hemorrhagic septicaemia,
Pasteurella multocida, diagnosis, incidence, clinical aspects, cattle, South Africa 3639.
HEp-2 cells,
Yersinia enterocolitica adherence, correlation, plasmids 1693.
Heparin,
binding RNA polymerase, effects on structure, Escherichia coli 8493.
degradation, heparin lyase, mechanisms, Flavobacterium heparinum 8582.
effects on bacteria adsorption, urinary bladder, animal models 1374.
Heparin lyase,
heparin degradation, mechanisms, Flavobacterium heparinum 8582.
Hepatitic coma,
bacteria infection association, man 11883.
Hepatitis,
association, scarlet fever, case reports, man, reviews 11993
association, syphilis, man, case reports 912.
association, syphilis, Treponema pallidum, incidence, case reports, man 6250.
Brucella suis, diagnosis, clinical aspects, man, case reports 4533.
complications, typhoid fever, immunoglobulins, complement, deposits, man 11617.
granuloma, Mycobacterium scrofulaceum, man, case reports 7116.
Mycobacterium bovis infection, mice 536.
Rickettsia conori, diagnosis, man 13286.
Hepatitis A,
association, endotoxemia gram-negative bacteria, Limulus lysate test, man 5163.
Hepatitis A virus,
genomes, cloning, plasmids, bacteria 9870.
infection, risks, association, syphilis, relationship, sexual behavior, man 3427.
Hepatitis B,
association, endotoxemia gram-negative bacteria, Limulus lysate test, man 5163.
Hepatitis B surface antigen,
expression, intestinal microflora, seroepidemiology, man 11658.
gene expression, Escherichia coli plasmids, vaccines, antibody response, rabbits 9867.
gene expression, Escherichia coli, vaccines production, antibody response, mice 9826.
man, leprosy, immune response 8962.
syphilis, seroepidemiology, homosexual behavior, man, Netherlands 2176.
Hepatitis B virus,
antigens, biosynthesis, Escherichia coli, plasmid pBR322, use, diagnosis 9857.
hepatitis B surface antigen, gene expression, Escherichia coli, vaccines production, antibody response, mice 9826.
hepatitis B surface antigen, man, leprosy, immune response 8962
infection, risks, association, syphilis, relationship, sexual behavior, man 3427.
Hepatocytes,
rats, binding, Escherichia coli endotoxins 5999.
rats, Corynebacterium diphtheriae toxins effects on 1827.
Hepatoma,
cell culture, Mycoplasma arginini contamination effects on, toxicity testing 12226.
cells, tumorigenesis, Streptomyces, teleocidin, association, epidermis growth factors, rats 9818.
tissue culture, bacteria endotoxins, localization reticuloendothelial system 11570.
Herbicides,
biodegradation, gram-negative bacteria, screening 11000.
biodegradation, microorganisms, measuring techniques 7439.
effects on, cellulolytic microorganisms, Azotobacter, soils 8171.
effects on disease resistance, Brassica oleracea, Lycopersicon esculentum, bacteria infection 13433.
effects on nitrogen fixation, microorganisms, ecological evaluation 8203.
effects on Rhizobia, growth, nodulation, pure culture 1389.
effects on Rhizobium nodulation 2455.
effects on, Rhizobium, symbiosis, Vigna unguiculata 1203.
effects on soil properties, nitrogen cycle, crop fields, Zea mays 9455.
metamitron, biodegradation, Arthrobacter 8428.
pollution effects, water pollution, Escherichia coli, Pseudomonas fluorescens, Pseudomonas aeruginosa 1208.
soil, effects on phages lysis bacteria 8197.
toxicity, inhibition nitrification, soil microorganisms 6420.
Hernia,
diaphragm, association, Streptococcus group B septicemia, infants, man 966.
Heroin,
addiction, association, endocarditis 10609.
addicts, endocarditis, Staphylococcus aureus, diagnosis, treatment, man, case reports 2205.
drug addiction, respiratory tract infection, Staphylococcus aureus, man 10320.
Herpes genitalis,
diagnosis, sex differences, man 2136.
Herpes simplex virus,
anorectal infection, homosexuality, man 5345.
comparison, Treponema pallidum, keratitis, electron microscopy, pathogenesis, case reports, man 13276.
herpes genitalis, diagnosis, sex differences, man 2136.
infected cells, cleoxycytidine deaminase activity, association Mycoplasma infection 12071
infection, hamsters cell culture, deoxycytidine deaminase, association, Mycoplasma contamination 4682.
role, proctitis, males, homosexuality 5324.
Herpes zoster,
incidence, cancer patients 3455.
Herpesvirus (bovine) 1,
interaction, Pasteurella, shipping fever pneumonia, bovine rhinotracheitis, pathology, etiology, cattle, reviews 10693.
Herxheimer reaction,
pathogenesis, role, complement, syphilis lesions, rabbits 6085.
Heterocysts,
Anabaena, nitrogen fixation, Pseudomonas, Zoogloea, attachment, effects on 4615.
Heteroduplex,
DNA, interaction endodeoxyribonuclease EcoK, Escherichia coli 4802.
Heterorhabditis,
symbiosis, Xenorhabdus, functional morphology, dimorphism 6387.
Heterorhabditis bacteriophora,
association Xenorhabdus luminescens, Pseudomonas aeruginosa, pathology, parasitism, Culex pipiens 8130.
parasitism, mortality, temperature effects, Galleria mellonella 3654.
3-[2'-(Heteroryl)vinyl]-benzoxazinones,
synthesis, antimicrobial activity 11466.
Heterotrophic bacteria,
activity, Finland lakes, books, conferences 12197.
aerobic bacteria, decomposition, animals cadavers, marine environments, Japan 8451.
assimilation, amino acids, seasonal variations, estuaries 10809.
biodegradation, pollutants, marine environment, measurement 8395.
biomass, production, lakes, eutrophic environments, USA, Wisconsin 8244.
carbon dioxide assimilation, respiration, winter, Finland lakes 12182.
carbon uptake, phytoplankton photosynthesis, lakes, Sweden 12167.
competition Thiobacillus, carbon sources metabolism, chemostats 11011.
denitrification, soil chemistry, tropical environments 7317.
enumeration, surveys, estuaries, India 8217.
environmental changes, volcanoes, effects on population levels, lakes, USA, Washington, mountains 12155.
heterotrophy, photosynthesis, rates, estimation, use antibiotics, mixed culture, photosynthesis 12366.
incidence, lakes, USSR 12172.
metabolism, pollution effects, paper mills, industrial effluents, Finland rivers 12184.
nitrification, acetylene effects on 12733.
nutrient uptake, growth, metabolism, lakes, Brazil, Amazonas 12185.
productivity, measuring techniques, radioassays 9522.
rivers, Germany, Fed. Rep., salinity effects on 12169.

Heterotrophic bacteria, (continued)
  solar radiation effects on nutrient cycles, coastal waters 8218.
  species composition, abundance, vertical distribution, marine environment 8246.
Heterotrophic microorganisms,
  bacteria, aquatic environment, power plants industrial effluents effects on 2486.
  bacteria, diurnal variations, genetic analysis, rivers 2491.
  bacteria, enumeration, use, nutrients media (culture), rivers 1278.
  bacteria, saline environments, salinity effects on 9631.
  biodegradation, hydrocarbons, sediments, Canada rivers 8223.
  enumeration, USA, Ohio, water supplies 10811.
  mineralization, sediments, Japan Coast 8230.
Heterotrophs,
  aerobic bacteria, relationship, sulfate-reducing bacteria, metals tolerance, marine environment sediments 12154.
  bacteria, aquatic organisms, adenine nucleotides metabolism 9812.
  bacteria, aquatic organisms, glucose levels 9793.
  bacteria, relationship phytoplankton biomass, physicochemical properties, coastal waters 8234
Heterotrophy,
  growth, association, autotrophy metabolism, enzymes biosynthesis, Alcaligenes eutrophus 8561
  marine microorganisms, bacterioplankton, fresh water effects on, Canada 2482.
  rates, estimation, use antibiotics, mixed culture, algae, heterotrophic bacteria 12366.
  Thiobacillus, chemoautotrophy, nutrient requirements, chemostat culture 1407.
Hexachlorocyclohexane,
  effects on Azotobacter, Azospirillum, nitrogenase activity, Oryza sativa rhizosphere, paddy fields 1216.
Hexadecane,
  biodegradation, Acinetobacter calcoaceticus, pili, role, adherence 12301.
  biodegradation, Flavobacterium, Corynebacterium 9646.
  media (culture), Acinetobacter calcoaceticus, growth, role, adherence 1337.
n-Hexadecane,
  Acinetobacter growth, cytochrome P-450 detection 141.
  Pseudomonas aeruginosa growth, surfactants effects on 5639.
Hexamethylene diamine,
  Bacillus subtilis, biodegradation 108.
  biodegradation, Bacillus subtilis, clays minerals effects on 12376.
Hexamethylphosphoric triamide,
  use, purification, diglyceride kinase, membranes, vesicles. Escherichia coli 4904.
1,6-Hexanediamine,
  biodegradation, Bacillus subtilis 10995.
Hexosaminidase,
  Bacillus cereus, role spore germination 9731.
β-Hexosaminidase,
  Staphylococcus staphylolyticus, production coordination 12683.
Hexose,
  transport, systems, phophoenolpyruvic acid association, role enzymes phosphorylation, bacteria 8355.
Hexoses,
  +pentoses, fermentation, ethanol, L-butanol, biosynthesis, Saccharomyces cerevisiae, Clostridium acetobutylicum 11010.
3-Hexulosephosphate synthase,
  methylotrophic bacteria, reaction mechanisms 203.
3-Hexulosephosphate synthetase,
  methylotrophic bacteria, kinetics 2759.
Hibernation,
  Carassius carassius, intestinal microflora, Pseudomonas, aquaculture 9329.
  Rana pipiens, association, large intestine bacteria 8083.
Hibistat,
  disinfectants, Micrococcus roseus contamination, man, comparison povidone-iodine 5962.
High-performance liquid chromatography,
  cefmetazole, serum levels, man, antibacterial activity 9947
  separation, alcohols Mycobacterium tuberculosis 1577.
  tenaquinones, separation techniques, bacteria 9672.
High-pressure liquid chromatography,
  fractionation, peptidoglycans precursors, bacteria 8516.
  penicillin N, isopenicillin N, separation techniques 11349.
Hip,
  joints, Staphylococcus infection, man 5410.
  surgery, postoperative infection, staphylococcus aureus, staphylococcus epidermidis, man, case reports 6278.
  surgery, Propionibacterium acnes postoperative infection, man, case reports, reviews 7135.
Hippobosca rufipes,
  disease transmission, anaplasmosis, cattle 3594.
Hippophae,
  actinomycetes nodules, incidence, Pakistan 1217.
Hippophae rhamnoides,
  nodulation, Frankia strains, specificity 12117.
  nodules, glyoxylate cycle suppression, Frankia symbiosis 10783.
Hippophae rhamnoides subsp.rhamnoides,
  growth, nodulation, actinomycetes, succession, dunes 4638.
Hippurate,
  hydrolysis, Campylobacter fetus subsp.jejuni, comparison, Campylobacter fetus subsp.intestinalis 3109.
Hirondella gigas,
  microflora, bacteria, isolation, pressure effects, temperature effects, benthic zone, marine environments 3651.
Hirondellea gigas,
  carcasses, Isolation, bacteria, pressure tolerance, deep sea 10805.
Hirschsprung's disease,
  enterocolitis, Clostridium difficile, characterization 11777
Histamine,
  formation, halophilic bacteria, psychrophilic bacteria, isolation, Scomber japonicus 7640.
  release, induction, mast cells, bacteria lipopolysaccharides, role periodontal diseases, rats 7927.
  release, Proteus morganii infection, Thunnus, epidemiology, food poisoning, man 13367
  release, Staphylococcus epidermidis, staphylococcine, blood, rats 4566.
  salivary gland content, association, botulism, diphtheria, rats 1815
  sensitization factors, Bordetella pertussis, effects on heart, toxicity, vaccines, rats 6092
Histamine, (continued)
  sensitization factors, Bordetella pertussis, glycerol release induction, adipocytes, rats 11253.
Histidine,
  analogs, inhibition, histidine decarboxylase activity, Micrococcus 3998.
  auxotrophs, deletion mutant, Escherichia coli 5820.
  elongation factor Tu residues, photooxidation, Escherichia coli 3945.
  regulation, alkaline phosphatase, activity, Vibrio alginolyticus 12663.
  residues, elongation factor Tu complex GTP, Escherichia coli 1472.
  residues, Lysobacter enzymogenes α-lytic proteinase, active sites, N.M.R. 11158.
  role, immunoglobulin G, binding, Staphylococcus aureus, protein A 11555.
  transduction, phage ρ11, role Bacillus subtilis hisA gene, DNA deletion, restriction endonuclease mapping 12815.
  transport operons, promoters, DNA nucleotide sequence, Salmonella typhimurium 11040.
  transport proteins, higJ gene, P protein interaction, Salmonella typhimurium 2861.
Histidine ammonia-lyase,
  derepression, nitrogen, metabolism, Klebsiella pneumoniae 12647.
Histidine decarboxylase,
  activity, inhibition, histidine analogs, Micrococcus 3998.
  N-bromosuccinimide chemical modification tryptophan residues, Micrococcus 12631.
Histidinol dehydrogenase,
  role lysine active sites, Salmonella typhimurium 3962.
Histiocytic medullary reticulosis,
  association, Campylobacter jejuni, bacteremia, opportunist infection, man 13313.
Histochemistry,
  muscles, tetanus, toxins, wound infection, effects on, man, case reports 1822.
Histocompatibility antigen H-2,
  mice, cerebellum, expression, localization 8932.
  role immunity Brucella suis, mice 8985.
Histocompatibility antigen HLA,
  association, tuberculosis, family studies, man 4380.
  B27 determinant, association, Reiter's disease+pseudotuberculosis, Yersinia enterocolitica, case reports, man 7159.
  B12 determinant, A2 determinant, association, mycobacteriosis, Mycobacterium intracellulare, man 6064.
  B27 determinant, lymphocytes, cross-reactivity, Klebsiella pneumoniae, role, uveitis, man 10186.
  B27 determinants, association, arthritis, Yersinia, Salmonella, man, clinical aspects 7941.
  brucellosis, association, arthritis, man 1010.
  cross-reaction, Klebsiella pneumoniae, ankylosing spondylitis, etiology, man 538.
  B determinants, modification, Klebsiella antigens, role, pathology, man 4324.
  DR determinants, interaction, helper cells, role, resistance, dental caries, man 7951.
  role, infection, man 3468.
Histology,
  bacteria, acid-fast stain methodology 8271.
  dental caries, man, in vitro 727.
  gingivitis, experimental infection, rats 6354.
  lymphoma, granuloma, coexistence, bacteria infection, clinical aspects, case reports, man 11951.
  periodontal diseases, Bacteroides experimental infection, animal models, man 13099.
Histones,
  nucleosomes, cleavage, Staphylococcus aureus proteinase 4043.
Histopathology,
  arthritis, Mycoplasma, chickens 10701.
  arthritis, Mycoplasma, domestic animals 10702.
  atrophic rhinitis, Bordetella bronchiseptica, pigs 3585.
  Bacillus thuringiensis δ-endotoxin, gut epithelium, Pieris rapae, Lymantria dispar, Ephestia cautella 10096.
  Bacillus thuringiensis δ-endotoxin, toxicity, hemolymph, Pieris rapae, Lymantria dispar, Ephestia cautella 10095.
  bile duct cholestasis, association, sepsis, man, case reports 11891.
  bronchopulmonary infection, bacteria, man 13038.
  erythema nodosum leprosum, relationship, ethnic groups, man 688.
  Legionella pneumophila infection, man, guinea-pigs 5419.
  Leptospira interrogans ser.pomona, association, abortion, cattle, isolation 12070.
  Mycobacterium infection, clinical aspects, man 13086.
  mycosis fungoides, association, Mycobacterium, man, case reports 10295.
  sarcosporidiosis, association, gram-positive bacteria enteritis, food-borne diseases, man, case reports 5318.
  Staphylococcus aureus, mastitis, experimental infection, cattle 2393.
  Streptococcus infection, Plecoglossus altivelis, organs distribution 6332.
  tonsil infection, Actinomyces, yeasts, molds, man 10318.
Histoplasma capsulatum,
  otolaryngeal infection, man, clinical aspects 11913.
Historical accounts,
  Streptococcus pneumoniae, role, biology, medical importance 7347.
Hodgkin's disease,
  association, Bordetella bronchiseptica, infection, man, case reports 4498.
  children, Streptococcus pneumoniae vaccination antibody response 645.
  diagnosis, case reports, association, bacteria, fungi, lung diseases, man 7969.
  immunocompromised hosts, Nocardia asteroides abscesses, man, case reports 6273.
  Mycobacterium tuberculosis, etiology, man 9244.
  Streptococcus pneumoniae, Haemophilus influenzae, Clostridium tetani, vaccination, antibody response, man 650.
  Streptococcus pneumoniae vaccination antibody response, 658.
Hog cholera,
  prophylaxis, combined vaccines, hog cholera virus+Erysipelothrix rhusiopathiae, pigs, field trials 632.
Hog cholera virus,
  +Erysipelothrix rhusiopathiae, combined vaccines, prophylaxis, hog cholera, swine erysipelas, pigs, field trials 632.
Holothuroidea,
  intestinal microflora, growth, pressure effects 1128.
Homarus americanus,
  gaffkemia, Aerococcus viridans, incidence 13418.
Homeostasis,
  Escherichia coli, pH, intracellular levels, measurement, N.M.R. 2650.
  rabbits, salmonellosis, experimental infection, effects on 11983.

Homology,
  DNA, Bacillus subtilis, transformation 2870
  DNA, plasmids, virulence, Yersinia enterocolitica, Yersinia pestis, characterization 2934
  DNA, Pseudomonas pickettii, Pseudomonas, denitrification, relationship 3890
  DNA, Salmonella, gene vH2⁻, flagella, Escherichia coli, radioactive labelling 2692.
  Pedomicrobium DNA, taxonomy 4708.
  RNA, DNA, Bacillus subtilis, phage Φ3T, phage ρ11, phage SPβ 1645
Homoserine,
  Brevibacterium flavum, production 12374
Homoserine acetyltransferase,
  Brevibacterium flavum, feedback inhibition 3956
Homosexual behavior,
  granuloma inguinale, transmission, man 2175
  man, seroepidemiology, syphilis, hepatitis B surface antigen, Netherlands 2176
Homosexuality,
  association, gastrointestinal tract infection, Protozoa, bacteria, man, British Isles 11760
  females, incidence, sexually-transmitted diseases 921
  males, proctitis, role, microorganisms 5324
  man, intestinal parasites, isolation, Spirochaeta 11756.
  man, isolates, Neisseria gonorrhoeae, outer membranes, permeability, association, mtr loci 8378
  man, lymphocytes T immunodeficiency, mixed infection, cytomegalovirus retinitis, Mycobacterium avium-intracellulare 13266
  man, males, anorectal infection etiology 5345
  man, urethritis, diagnosis, limulus lysate test 6215.
  sexually-transmitted diseases, Neisseria gonorrhoeae, Neisseria meningitidis, gonorrhea, seroepidemiology, man 10435
Homosexuals,
  man, gonorrhea, incidence, serotypes, antibiotic sensitivity testing 2138
  man, proctitis, Chlamydia trachomatis, clinical aspects 2158
Hong Kong,
  gentiourinary tract infection, Escherichia coil, serotypes, clinical isolates, man 9156
Hopsitals,
  Veterinary medicine, dogs, cats, Serratia marcescens nosocomial infection, Epidemiology 4565
Hordeum vulgare,
  crop residues, humic acids, humification, microorganisms 8182
  cryoinjury, association, Pseudomonas, freeze-thawing diseases 5506.
  germination, growth, inhibition, Gliocladium roseum, Azotobacter chroococcum, calcium peroxide+lime seed treatments effects on 1145
  gnotobiotics, rhizosphere, colonization, population growth, Pseudomonas, Mycoplana, Curtobacterium 4629
  leaf blotch, Alternaria alternata, biological control, Streptomyces olivaceus antagonism 5507
  leaves, symptoms, Pseudomonas infection 5502
  nitrogen fixation, nitrogenase enzymatic activity in vitro 3707
  rhizosphere, rhizoplane, bacteria, population changes, salts, osmotic stress, effects on 4634
  soil, Azospirillum, Azotobacter, incidence, relationship, nitrogenase, enzymatic activity 3720
Hormones,
  Arthrobacter, effects on Lactuca sativa acid phosphatase activity 8650
  levels, relationship, leprosy, man 700
  production, bacteria, genetic engineering 2859
Horses,
  abortion, Streptococcus, serotypes, clinical isolates 4547
  animal isolates, Mycoplasma, characterization, comparison, Mycoplasma mycoides 4704
  animal isolates, pseudotuberculosis, Corynebacterium equi, Streptococcus zooepidemicus, Mycobacterium, isoniazid antibacterial activity 8845
  arthritis antibodies maternal transfer failure 1098
  bacteria infection, disease control, conferences 10832
  bites, Actinobacillus lignieresii infection, clinical aspects, man 6274
  Brucella abortus, agglutinins, serum levels, detection, serological surveys 11587
  brucellosis, Brucella abortus 10674
  Clostridium tetani vaccination, factors affecting 1915
  contagious equine metritis, bacteria, diagnosis, carriers, methodology 7242.
  contagious equine metritis, bacteria, energy metabolism, characterization, enzymes detection 5673
  contagious equine metritis, bacteria isolates, morphology 8324
  contagious equine metritis, clinical aspects, epidemiology, etiology 12046.
  contagious equine metritis, epidemiology, clinical aspects 7239.
  contagious equine metritis, experimental infection, treatment, abortion induction 9351.
  contagious equine metritis, Haemophilus equigenitalis, immune response, diagnosis, serological tests comparison 11619
  dermatophilosis, treatment, bipenicillin, dihydrostreptomycin, France 1072.
  detection, incidence, Legionella pneumophila antibodies, relationship, age 3189.
  endometritis, diagnosis, treatment 10712.
  endometritis, treatment, amikacin 10703.
  endometrium, bacteria, culture, methodology 1272
  endotoxemia, treatment, pathology 10126.
  Escherichia coli, endotoxins, inoculation, dose-response effects 1836
  feces, isolation, Acholeplasma 9359.
  fetuses, abortion, association, isolation, Bacillus cereus 6338
  fetuses infection, Streptococcus group D, abortion 10681.
  genital tract infection, Streptococcus zooepidemicus, susceptibility, role sex hormones 10680
  glanders, zoonoses, man, characterization 11905.
  Haemophilus equigenitalis, biochemical analysis, antisera agglutination, identification, contagious equine metritis 7257.
  Haemophilus equigenitalis, contagious equine metritis, epidemiology, diagnosis, Japan 7250.
  Haemophilus equigenitalis contagious equine metritis, experimental infection, antibody response 584.
  hemodynamics, endotoxin shock, Escherichia coli, treatment, flunixin meglumine 3139.
  intestinal absorption, endotoxins, endotoxemia, effects on 1824.
  juveniles, arthritis, septicemia, pathogenesis 10675.
  juveniles, botulism, Clostridium botulinum, case reports 7264
  juveniles, brucellosis, pathology 10704.
Horses, (continued)
  juveniles, Corynebacterium equi pneumonia outbreaks 3646.
  juveniles, cystitis, Proteus mirabilis, experimental infection, treatment, trimethoprim+sulfadiazine 2379.
  juveniles, immunoglobulin G immunodeficiency, association, salmonellosis 572.
  juveniles, Nocardia asteroides infection, case reports 7233.
  liver, comparison, alcohol dehydrogenase, characterization, Leuconostoc mesenteroides 4010
  lymphocytes stimulation, Streptococcus equi, protein M, phytohemagglutinin 11608.
  Neisseria meningitidis, antisera, antibodies, heavy chains, identification, horses 4273
  neonates, bacteria infection 10669
  phage typing, role, Staphylococcus intermedius identification 6467.
  pneumonia, Chlamydia psittaci, etiology, symptoms 3625.
  Pseudomonas aeruginosa, antibody response, immunoglobulin M, immunoglobulin G, detection, enzyme-linked immunosorbent assay 4299
  Pseudomonas aeruginosa infection, penis, treatment, animal breeding 10676
  salmonellosis, treatment, clinical manifestations, prophylaxis, reviews 2353.
  strangles, Streptococcus equi, clinical aspects 6346.
  Streptococcus zooepidemicus, bronchopneumonia, pleuritis, treatment, case reports 4552
Hospitals,
  Australia, Pseudomonas aeruginosa, antibiotic resistance, drug resistance, plasmids identification 3073
  bacteria antibiotic sensitivity testing, association, trimethoprim 11458.
  bacteria infection, incidence, man, Norway 5421.
  bacteria isolation, control programs, nosocomial infection, man 10581.
  baths, effects on colonization, Pseudomonas aeruginosa, Klebsiella pneumoniae, man 7112.
  children, incidence, urinary tract infection 2063
  clinical microbiology, sampling, specimens preservation 12225.
  disease control, tuberculosis, hypersensitivity (delayed), methodology 9227.
  disinfectants, chlorhexidine, contamination, Serratia marcescens, drug resistance 3114.
  epidemiology, Achromobacter xylosoxidans, bacteremia, nuclear medicine 7106.
  Escherichia coli, plasmids, R factors, multiple antibiotic resistance, transfer, urinary tract infection, man 3045
  food, Escherichia coli, isolation 2571
  gentamicin antibiotic resistance Enterobacteriaceae, skin isolation sites, man, environmental studies 3273.
  gram-negative bacteria, antibiotic resistance, amikacin, gentamicin, tobramycin, Canada 1753.
  gram-negative bacteria, clinical isolates, R factors, penicillinase, incidence, man, surveys 2952
  hygiene, nosocomial infection, Enterobacteriaceae 3448.
  incidence, Legionella pneumophila, legionnaire's disease, water supplies, man 6975
  incidence, nosocomial infection, antibiotics treatment 1022.
  incidence, Pseudomonas aeruginosa, Proteus, Klebsiella role nosocomial infection, man 8033
  intensive care units, saline solution, Serratia marcescens, bacteremia, man 3474.
  Klebsiella aerogenes infection, outbreaks, relationship, Klebsiella aerogenes survival, hand, man 3517.
  laboratories, bacteriology, data processing, computer applications 2572.
  leprosy, incidence, Onchocerca volvulus infection, man, Mali 686
  man, bacteremia, nosocomial infection, incidence, USA, South Carolina 2233.
  man, bacteremia, Pseudomonas cepacia, association, povidone-iodine contamination 3553
  man, burn infection prophylaxis, USA 11902.
  man, children, Legionella pneumophila, incidence, pneumonia 4406.
  man, Clostridium tetani, tetanus, immunity, detection, passive hemagglutination 4304
  man, Clostridium tetani, tetanus, prophylaxis 5356.
  man, control programs, surveillance, nosocomial infection, models 10567.
  man, disease control, detection, nosocomial infection 3473.
  man, endocarditis, Streptococcus faecalis, Staphylococcus, etiology, USA, Michigan 4496.
  man, Enterobacteriaceae infection, gentamicin antibiotic resistance plasmids 4134
  man, gas gangrene, Clostridium perfringens, nosocomial infection, epidemiology 2212
  man, incidence, nosocomial infection, Acinetobacter calcoaceticus 2079.
  man, incidence, postoperative infection, Sweden 3519.
  man, infection, Salmonella, clinical aspects, case surveys 9299.
  man, infection, staphylococcus, methicillin resistance, epidemiology 8055.
  man, infection, Streptococcus pneumoniae, incidence, case surveys 9255.
  man, maxillary sinus lavage contamination, Pseudomonas paucimobilis, association, infection 2015.
  man, Morganella morganii, nosocomial infection, epidemics 4482.
  man, neonates, Klebsiella pneumoniae bacteremia, association, breast milk contamination 10538
  man, nosocomial infection, bacteria, viruses, surveillance, control, Scandinavia 10546
  man, nosocomial infection, burn infection, disease control, prophylaxis, association, antibiotic resistance bacteria 10550.
  man, nosocomial infection, disease control, prophylaxis, conferences 10840.
  man, nosocomial infection, epidemiology, Israel 10515.
  man, nosocomial infection, epidemiology, statistical analysis, factors affecting, reviews 10521.
  man, nosocomial infection, incidence, measuring techniques comparison, reviews 10518
  man, nosocomial infection, prophylaxis, control, reviews 10512.
  man, nosocomial infection, prophylaxis, management, control programs 10558.
  man, nosocomial infection, risks, association, intensive care units, medical equipment 10532
  man, nosocomial infection, urinary tract infection, detection, role, catheters monitoring 2078
  man, postoperative infection, incidence, risk factors, prophylaxis 10555.
  man, postoperative infection, risk factors, statistical analysis 10523.
  man, postoperative Legionnaire's disease, association, immunosuppression 9119.
  man, Staphylococcus aureus, infection, antibiotic resistance, gentamicin, tobramycin, incidence 392
  man, Streptococcus pneumoniae diseases, serotypes incidence, USA, Wisconsin 7157.
  man, urinary tract infection, nosocomial infection, Providencia stuartii, serotyping 2082.
  man, wound infection, Pseudomonas aeruginosa, nosocomial infection, association,

Hospitals, (continued)
hydrotherapy 2258.
meningitis, Citrobacter diversus, outbreaks, disease transmission, neonates, man 4443.
neonates, man, Serratia marcescens, infection, antibiotic resistance, chloramphenicol, streptomycin, tetracycline, ampicillin 3069.
nosocomial infection, colonization, Pseudomonas cepacia, epidemiology, man, USA, Virginia 10535.
nosocomial infection, control programs 1021
nosocomial infection, gram-negative bacteria, man 10470.
nosocomial infection, incidence, variation, man, case surveys 2326.
nosocomial infection, man 9254.
nosocomial infection risks, control programs, surveys, man 10590.
nosocomial infection risks, man, surveys 10570.
nosocomial infection, risks, occupational exposure, man 9262.
nosocomial infection, risks, surveys, man 10587.
nosocomial infection, Serrata, epidemiology, man 10564.
nosocomial infection surveys, man 10585.
obstetrics, gynecology, incidence, nosocomial infection, man 9291
occupational exposure, tuberculosis, man 11725
occupational exposure, tuberculosis, man, case reports 7162.
patients, Klebsiella clinical isolates, antibiotic resistance 9998
personnel, hand, Acinetobacter, Klebsiella, Enterobacter, nosocomial infection, man 3515.
personnel, nosocomial infection, control programs 10574.
personnel, occupational exposure, diphtheria, immunity 5221.
pneumonia, gram-negative bacteria, oropharynx colonization, man 9136.
protected environments, effects on, neutropenia, bacteria, infection, man 2313.
Pseudomonas aeruginosa, Proteus, Klebsiella, nosocomial infection, incidence 8031.
respiratory tract infection, epidemiology models, seasonal variations, man 6188.
Serratia marcescens, nosocomial infection, benzalkonium chloride contamination, animals 2351.
shigellosis outbreaks, treatment, children 5316.
treatment pools+U.V. radiation, microflora 13527
tuberculosis surveillance, man 5392.

Host cell reactivation,
Bacillus subtilis phage SPP1, U.V. radiation lesions, role, DNA repair 8720.

Host plants,
nitrogen fixation, symbionts, infection, recognition, books, conferences 9480.
seedlings, microorganisms, oviposition stimuli, Hylemya antiqua 8136.
selection, effects on, structure, nodules, Trifolium pratense, Rhizobium trifolii 3717.
specificity, Trifolium, soil isolates, Rhizobium trifolii 9432.

Host range,
Bdellovibrio, isolation, rivers, comparison, sewage 10930
hairy root, Agrobacterium rhizogenes, reviews 4609.
phage ΦX174, mutants, isolation, characterization, Escherichia coli 1655
plasmid pGD10, incompatibility, Capnocytophaga ochraceus 11306.
Pseudomonas solanacearum, Australia 4711.
Pseudomonas solanacearum, wilt, Musa sapientum, Musa textitis 10740.
Rhizobium, Leguminosae 5540.
Rhizobium leguminosarum, Rhizobium phaseoli, plasmids, transfer, nodulation, Phaseolus vulgaris, Pisum sativum 2923.

Host response,
circulation, metabolism, association, sepsis, man 7156.

Host specificity,
DNA, Escherichia coli, association, trimethoprim R factors 11061.
Leguminosae, Rhizobium 1178.
lipopolysaccharides, toxicity, Neisseria gonorrhoeae, association, oviduct mucosa, man 10124.
relationship, extracellular polymers, polysaccharides, Rhizobium 215.
Rhizobium phaseoli nodulation, Phaseolus lunatus, Phaseolus vulgaris 10785
Rhizobium trifolii, isolation, nitrogen fixation 1169.
Streptomyces venezuelae, phage SV1, phage SV2 12823.

Host-parasite interactions,
Bdellovibrio, lysis Escherichia coli, gram-negative bacteria, waste water 9423
legumes, nodulation, Rhizobium, effects on nitrogen fixation 9471

Host-pathogen interactions,
Bacillus thuringiensis, isolation, characterization, Culicidae 9377.
bacteria cell surface, role, infection, immune response, reviews 8964.
children, Clostridium difficile infection 8063
Erwinia carotovora subsp.carotovaora, soft rot, post-harvest decay, latent infection, Lycopersicon esculentum 3658.
fermentation, intestinal microflora, comparison rumen man 6142.
livestock diseases, relationship, environmental conditions 12056.
plant diseases, nutrition, review 5496.
Pyricularia oryzae, Oryza sativa, biosynthesis, antifungal agents, antibacterial activity 4207
survival, bacteria, plants pathogens 9418.
tuberculosis, man, human biology 6977

Hosts,
cells, U.V. radiation effects on phages DNA injection 8717.
chromosomes degradation defects, association, tar gene mutants, phage T1 4124.
lymphocyte transformation, Mycoplasma arthritidis, mitogens, antigenic characteristics, specificity 6887.
Mammalia, Rocky Mountain spotted fever, Rickettsia, USA, California 1031.
phage λ, lysis, lysogeny, genetic control, environmental effects 7676
response, diseases, man, Staphylococcus aureus 7105.

Hot springs,
ecological distribution, Sulfobacillus thermosulfidooxidans 13517.
films, Methanobacterium thermoautotrophicum, methanogenesis, decomposition, temperature 13521.
isolates, thermophilic bacteria, hydrogenase thermal stability 12573.
Pacific Ocean, bacteria, benthos 2497
USSR, isolation, Rhodopseudomonas sphaeroides, characterization 13518.

Houses,
animals, microorganisms distribution, pour-plate method 6462.

Housing,
straw, hygiene, coliforms, role mastitis, cattle 10666.
urinary tract infection, cattle 3578

Humic acids,
biodegradation, Streptomyces, association acid production 12384.
crop residues, Hordeum vulgare, humification, microorganisms 8182
soil, Acer saccharum, Picea mariana, Serratia marcescens, nitrogen, effects on 3724

Humidity,
effects on Alcaligenes faecalis infection, turkeys 6343.

Humidity preferences,
Mycobacterium tuberculosis, survival 12414.

Humification,
crop residues, Hordeum vulgare, humic acids, microorganisms 8182.

Humulus,
beer brewing, antimicrobial activity, bacteria, fungi 7860.

Humus,
like, pigments, biosynthesis, Actinomycetes 12497.

Hungary,
buildings, airborne microorganisms, bacteria, vertical distribution 10819.
cattle, Chlamydia antibodies incidence 5464.
lakes, bacterioplankton, population dynamics 7341.
Shigella sonnei clinical isolates, incidence antibiotic resistance R factors, Col plasmid 10017.

Hyaline membrane disease,
comparison, pneumonia, diagnosis, pathology, infants, man 5296.

Hyalophora cecropia,
Galleria mellonella, Lepidoptera, immunity (humoral), proteins, antibacterial activity, gram-negative bacteria 3227.
immune response, Escherichia coli 543.

Hyalophora cecropis,
cecropins, antibacterial activity 8853.

Hyaluronidase,
activity, Streptococcus pyogenes, association, phages, characterization 5855.
biosynthesis, Streptococcus group A, penicillin effects on 8597.
Streptococcus group B, animal isolates, cattle, pathogenicity, identification, phage typing 3805.
Streptomyces hyalurolyticus, purification 8576.

Hybridization,
Agrobacterium rhizogenes Ri plasmid, tumors DNA, Nicotiana glauca 7686.
analysis, DNA cloning, enterotoxins genes, Vibrio cholerae 11258.
analysis, nitrogenase genes operons organization, Rhizobium leguminosarum, Azotobacter vinelandii 7664.
analysis, me gene, DNA genomes, Escherichia coli 12504.
analysis, rRNA genes, Mycoplasma capricolum 7665.
Bacillus subtilis, RNA biosynthesis, Kinetics 8501.
Bacteroides oralis DNA 8490.
DNA, corn stunt spiroplasma, Spiroplasma citri 157.
DNA homology, plasmids, Rhizobium, Agrobacterium tumefaciens, restriction endonuclease mapping 5868.
DNA, phage γ-tsr-1, Corynebacterium diphtheriae, transduction, excision, genetic analysis 1661.
DNA, Pseudomonas fluorescens, strains, evolutionary genetics, taxonomy (numerical), complement fixation 2876.
DNA, Rhizobium japonicum, Rhizobium, Agrobacterium, genetic relationship, taxonomic significance 1441.
DNA, Yersinia pestis, Yersinia pseudotuberculosis, characterization, species 156.
lac plasmid, transposons, transposon Tn951, genes 1674.
Lycopersicon esculentum× Lycopersicon chilense× Lycopersicon peruvianum var.humifusum, disease resistance, Corynebacterium michiganense 3673.
nucleic acids, comparison, Agromyces, Arthrobacter, Curtobacterium, Brevibacterium, Corynebacterium, Microbacterium 12523.

Hybridoma,
monoclonal antibodies, reactivity, Streptococcus group A, protein M, immunization (passive), mice 11560.

Hydration,
effects on electron transport, chromatophores, Rhodospirillum rubrum 12475.

Hydrazinoaroylthiazoles,
antimicrobial activity, bacteria 8838.

Hydridization,
Mycobacterium simiae, synonymy, Mycobacterium habana, taxonomy, serotyping 9569.

Hydrocarbon-degrading bacteria,
activity, soil horizons association oil 11014.
incidence, soil, USSR, association oil 13492.

Hydrocarbons,
biodegradation, aquatic microorganisms, coastal environments, France 129.
biodegradation, bacteria, marine environment isolates, role plasmids 8412.
biodegradation, heterotrophic microorganisms, sediments, Canada rivers 8223.
biodegradation, marine environment 10983.
biodegradation, microorganisms, reviews 3855.
biodegradation, mixed culture, Cyanophyta, Mycobacterium 11007.
biodegradation, oil sand, bacteria, Canada, Alberta 8360.
lubricants, biodegradation, Bacillus, Pseudomonas 4744.
oxidation, methane monooxygenase, Methylobacterium 12590.
oxidation, surfactants, effects on, bacteria 1100S.
pollution effects, water pollution, Escherichia coli, Pseudomonas fluorescens, Pseudomonas aeruginosa 1208.
seawater, metabolism, marine microorganisms, measuring techniques 2478.

Hydrocephalus,
experimental infection, Mycoplasma pulmonis, rats 890.
shunts, silicone, antibacterial activity, Staphylococcus aureus 441.
treatment, cerebrospinal fluid shunts, postoperative infection, bacteria, children 2261.

Hydrocortisone,
effects on, endotoxin shock, lesions formation, dogs 10091.

Hydrodictyon reticulatum,
growth inhibitors, antibacterial activity, bacteria 10045.

Hydrodynamics,
ribosomal protein L29, ribosomal protein L30, ultracentrifugation, Escherichia coli 11113.
ribosomal proteins, Bacillus subtilis, Micrococcus lysodeikticus 12550.
shape, rRNA 16S, ribosomal subunit 30S, bacteria 4806.

Hydrogen,
Alcaligenes eutrophus, uptake, plasmids, mutants 9889.
atmosphere, association, Campylobacter fetus subsp.jejuni respiration 12451.
autotrophy, phenotypes, transfer, Nocardia opaca, Rhodococcus erythropolis, Corynebacterium hydrocarboclastus 6715.
biosynthesis, Clostridium butyricum, immobilized cells 4088.
+carbon dioxide, metabolism media (culture) nutrient requirements, Eubacterium limosum 115.
Clostridium butyricum, biosynthesis 4092.
efflux, tyrosine, phenylalanine effects on, association, peptides, Pseudomonas aeruginosa 12320.
+fumarate, Citrobacter freundii continuous culture, ATP production 12454.

Hydrogen, (continued)
  gas production, anaerobic bacteria, intestinal microflora, man 12735
  growth, Desulfovibrio vulgaris, Desulfovibrio desulfuricans, Desulfovibrio gigas 5651.
  metabolism, relationship, nitrogen fixation, nodules, Rhizobium leguminosarum+Pisum sativum 2450
  oxidation, Rhizobium japonicum bacteroids, electron transport chain 6549
  oxidation, sulfate-reducing bacteria, sulfate reduction, sediments, salt marshes 3739
  production, Anabaena cylindrica, phototrophic bacteria, reviews 2843
  production, Azotobacter chroococcum, nitrogenase, continuous culture 2666
  production, Chlorobium limicola, photosynthesis, membrane vesicles 8471
  production, nitrogen fixation, mixed culture, bacteria, fungi 12726.
  production, Rhodospirillum rubrum, mixed culture, Klebsiella pneumoniae, immobilized cells 236
  Rhodopseudomonas, production 2846
  transfer, Eubacterium limosum, Lachnospira multiparus, mixed culture, metabolism, pectin 2637
  uptake, Anabaena cylindrica nitrogen metabolism, association 3860
  uptake, positive, Rhizobium japonicum, effects on nitrogen fixation, respiration, nodules, Glycine max 1181
  utilization, sulfate-reducing bacteria, sediments, eutrophic environment 137
  utilization, sulfate-reducing bacteria, sediments, marine environment 112.
Hydrogen bacteria,
  contamination, Cyanophyta culture 12216
  substrate specificity, soil, rocks 12456
Hydrogen bonds,
  mechanisms, Lactobacillus leichmannii, ribonucleoside triphosphate reductase 8602
Hydrogen cyanide,
  Pseudomonas aeruginosa, biosynthesis, hydrogen cyanide synthase, batch culture, aeration, effects on 2844
Hydrogen cyanide synthase,
  Pseudomonas aeruginosa, hydrogen cyanide, biosynthesis, batch culture, aeration, effects on 2844
Hydrogen dehydrogenase,
  activity, Azospirillum brosilenso 12654
  activity, dicoumarol, inhibition, Alcaligenes eutrophus 7565
  hydrogen-deuterium exchange, Alcaligenes eutrophus 7563.
Hydrogen peroxide,
  antibacterial activity, L-cysteine potentiation, Escherichia coli 12947.
  antibacterial activity, Peptostreptococcus anaerobius, metabolism, growth conditions, effects on 6843
  antibacterial activity, peroxidase, thiocyanic acid effects on, Escherichia coli, Streptococcus 11206
  +ascorbic acid, +copper(II), water disinfection, methodology, bacteria 12157
  detection, Neisseria gonorrhoeae media (culture) 2522
  inactivation, endotoxins, bacteria, use, prophylaxis, periodontal diseases, man 4238
  lactobacillus lactis, production, isolation, cattle gut 8648
  macrophages, release, immune response (cell-mediated), Mycobacterium tuberculosis, experimental infection, guinea-pigs 10180
  man, topical application, postoperative infection, appendicitis, clinical trials, man 3457
  oxygen, free radicals, effects on, Bacteroides fragilis, survival 3088
Hydrogen sulfide,
  biosynthesis, Bacteroides melaninogenicus var.melaninogenicus, Bacteroides melaninogenicus var.asaccharolyticus 4085
  effects on alveoli macrophages, alveoli, lung 1738
  growth inhibitors, Clostridium sporogenes, anotox absorption, anaerobic environments 10864
  oxidation, sulfur bacteria, identification, methodology 12270
  production, Escherichia coli, clinical isolates, urine 8656
  sulfate-reducing bacteria, chromium reduction, marine environment 2495
Hydrogen-deuterium exchange,
  hydrogen dehydrogenase, Alcaligenes eutrophus 7563
  hydrogenase, kinetics, mechanisms, Desulfovibrio gigas 8587
Hydrogen-oxidizing bacteria,
  phosphatidylcholine composition 4081
Hydrogenase,
  activity, Chromatium vinosum, comparison, Rhodopseudomonas capsulata, Oscillatoria tenuis, cladophora fracta 12594.
  activity, Clostridium thermoaceticum extracts, cell-free system 5774
  activity, relationship, nickel, Alcaligenes eutrophus 12641
  activity, Rhodopseudomonas capsulata, nickel effects on 4919
  Alcaligenes eutrophus, derepression, growth conditions 5776
  association, nickel, purification, Methanobacterium thermoautotrophicum 4871
  biosynthesis, Alcaligenes eutrophus, autotrophy metabolism, association, heterotrophy growth 8561
  Chromatium vinosum, active sites, E.S.R. 11171
  Clostridium butyricum, activity 4092
  Escherichia coli, association, membranes, characterization, crossed immunoelectrophoresis 2589.
  hydrogen-deuterium exchange, kinetics, mechanisms, Desulfovibrio gigas 8587
  Hyphomicrobium, enzymes activity, association, growth 6641
  kinetics, stability, membranes, Rhodopseudomonas capsulata 4897
  nickel E.S.R. properties, Methanobacterium thermoautotrophicum 9747.
  Pseudomonas pseudoflava, cultural characteristics, physiology 5658.
  purification, characterization, Desulfovibrio gigas 9740.
  Rhizobium japonicum, Glycine max nodulation, effects on seeds nitrogen content, yield 2454.
  Rhodopseudomonas capsulata, activity, nitrogen fixation 11212.
  thermophilic bacteria, thermal stability, hot springs isolates 12573
Hydrogenation,
  Clostridium, allyl alcohol, role, enolase, alcohol dehydrogenase 4941.
  steroids, bacteria, gastrointestinal tract, man 1401.
Hydrolase,
  purification, characterization, Mycobacterium smegmatis 5749
Hydrolases,
  anaerobic bacteria, clinical isolates 1543
Hydrolysis,
  acids, antigens isolation, Leptospira interrogans ser.kremastos 10161.
  activity, cyclic AMP, Escherichia coli, association, polyamines 9697.
  Bacillus subtilis, alkaline protease, esters 4873.
  Bacillus subtilis var.niger, Mycobacterium smegmatis, carboxylic acids esters 3851.
Hydrolysis, (continued)
  bagasse, methodology, Trichoderma reesei, cellulase 7463.
  bile acids, Clostridium bifermentans, characterization 7455
  casein, Bacillus subtilis, role proteinase 12569
  chitin, chitinase, Serratia marcescens 5745.
  cinnamyl esters, Cinnamomum sieboldii, Escherichia coli 5674.
  cortex, role, spore germination, Bacillus megaterium 8352.
  DL-erythro-N-palmitoyl-sphingosylphosphocholine, DL-erythro-N-stearoyl-sphingosylphosphocholine, DL-erythro-N-lignoceryl-sphingosylphosphocholine films, surfaces pressure effects on, sphingomyelinase, Staphylococcus aureus 9632.
  esculin, anaerobic bacteria, measuring techniques 2568.
  hippurate, Campylobacter fetus subsp.jejuni, comparison, Campylobacter fetus subsp.intestinalis 3109.
  immobilized enzymes, sphingomyelin phosphodiesterase, phosphatidylcholine, phospholipase C, phospholipase D 5767.
  β-lactam antibiotics, penicillinase, detection methodology, use, Escherichia coli 2788
  Mycoplasma gallisepticum membranes lysophospholipids, role, lysophospholipase 12689
  NAD$^+$ nucleosidase, kinetics, catalysis, enterotoxins, Staphylococcus aureus 4231
  penicillinase, cefuroxime, cefotaxime, immunological aspects, Proteus vulgaris, Pseudomonas cepacia 1514.
  sphingomyelin, phospholipase C effects on, bacteria 12652.
  urine, microflora effects on, man 13073
4-Hydroperoxicyclophosphamide,
  effects on, tRNA aminoacylation, RNA biosynthesis, protein biosynthesis, Escherichia coli 5709
Hydrophobic,
  vibrio cholerae, Clostridium tetani, toxins 1810.
Hydrophobicity,
  Escherichia coli, hemagglutination activity, enterotoxins association, comparison, colonization factors antigens 7923.
Hydroponics,
  microorganisms growth, U.V. radiation effects on 427.
  nitrogen fixation assays, Glycine max 5536.
Hydroquinone monosulfonate,
  bacteria, biodegradation 8417.
Hydrothermal vents,
  Galapagos, marine environment, isolation, anaerobic bacteria, Spirochaeta 8245.
Hydroxamic acid,
  Pseudomonas mildenbergii, biosynthesis, isolation, characterization 11223.
Hydroxocobalamine,
  biosynthesis, 4,5-dioxovalerate, role, clostridium tetanomorphum 9671.
2-Hydroxy-3-bromopropyldextran,
  immobilization, asparaginase, Escherichia coli 2813.
4-Hydroxy-3-nitrosobenzaldehyde,
  antibacterial activity, Streptomyces viridans 1696.
2-Hydroxy-4,5-dimethoxyphenylacetic acid,
  papaverine biodegradation pathway, Nocardia mutants 12377.
8-Hydroxy-5-deazaflavin,
  analogs, substrate specificity, NADP$^+$ reductase, Methanococcus vannielii 8574.
2-Hydroxyaclacinomycin A,
  antibacterial agents, Streptomyces galilaeus, characterization 2957.
Hydroxyapatite,
  Actinomyces viscosus, Actinomyces naeslundii, adherence, role, pili 67.
  adherence, Streptococcus mutans, immunoglobulin A, saliva, inhibition 9014.
  bacteria cell adhesion, association saliva, tetracycline effects on 8401
  cell adhesion, Streptococcus sanguis 8398
  +saliva, Streptococcus mutans growth 5679.
  Streptococcus sanguis adherence, chemostats, environmental effects 5634.
1-Hydroxyauramycin,
  Streptomyces melanogenes biosynthesis, structure, N.M.R., antibacterial activity 12914
3-Hydroxybenzoate 2- monooxygenase,
  induction, benzoate, Pseudomonas testosteroni, mutants 5769.
4-Hydroxybenzoate 3-monooxygenase,
  amino acid sequence, Pseudomonas fluorescens 7545.
β-Hydroxybutyrate,
  spore crystals, Bacillus thuringiensis, chemical composition 4955.
3-Hydroxybutyrate dehydrogenase,
  dimethoxyphosphinylacetic acid, methyl 2-methoxyphosphyinylacetic acid competition inhibition, Pseudomonas lemoignei 6657.
  purification, methodology, Rhodopseudomonas sphaeroides 9754.
Hydroxybutyrate-dimer hydrolase,
  purification, characterization, Zoogloea ramigera 3958.
β-Hydroxydecanoyl thioester dehydrase,
  genes, cloning, methodology gene amplification, Escherichia coli 4969.
5-Hydroxydeoxyvasicinone,
  isolation, Klebsiella oxytoca 212.
Hydroxyl,
  radicals, effects on irradiated bacteria 5983.
Hydroxylamine,
  denitrification, Alcaligenes, nitric-oxide reductase, nitrate reductase, soil 12421
  nitrification, intestinal microflora, rats, guinea-pigs, man, characterization 7468
  tolerance, Alcaligenes, Nitrobacter agilis 7873.
Hydroxylamine oxidase,
  E.S.R., Nitrosomonas europaea 4865.
  reaction mechanisms, Nitrosomonas europaea 184.
  resolution, Mossbauer spectroscopy, Nitrosomonas europaea 11189.
Hydroxylamine reductase,
  heme characterization, E.S.R., Nitrosomonas europaea 11182.
Hydroxylation,
  fatty acids, role, cytochrome P-450, Bacillus megaterium 4788.
  steroids, temperature effects on 6520.
10'-Hydroxyleurosine,
  Streptomyces griseus, leurosine conversion 8514.
3-Hydroxyonthranilic acid,
  isolation, Klebsiella oxytoca 212.
4-Hydroxyphenylacetate,
  degradation, Pseudomonas putida, regulation 235.
4-Hydroxyphenylpyruvate dioxygenase,
  inhibition, enol-4-hydroxyphenylpyruvate, kinetics, Pseudomonas 9742.

4-Hydroxyphenylpyruvate dioxygenase, (continued)
- kinetics, mechanisms, Pseudomonas 8578.

Hydroxyproline,
- amino acid composition, Staphylococcus aureus, capsules, proteins 2740.

8-Hydroxyquinoline,
- antibacterial activity, soft rot, Erwinia carotovora, Solanum tuberosum 3657.

3-Hydroxyrifamycin S,
- Nocardia mediterranei, recombinants, biosynthesis, structure, spectroscopy 2981.

2-Hydroxysagamicin,
- Micromonospora sagamiensis antibacterial activity biosynthesis, antibacterial activity 7732.

Hydroxystearates,
- competition inhibition alkane 1-monooxygenase, characterization active sites, Bacillus megaterium 6656.

β-Hydroxysteroid dehydrogenase,
- purification, characterization, Streptoverticillium cholesterolicum sp.nov. 7596.

20β-Hydroxysteroid dehydrogenase,
- interaction, steroids, Streptomyces hydrogenans 181.
- interaction, steroids, Streptomyces hydrogenans 182.
- NAD$^+$ binding, Streptomyces hydrogenans 7604.

7β-Hydroxysteroid dehydrogenase,
- Eubacterium aerofaciens, ursodeoxycholic acid, formation, association, mixed culture, Escherichia coli, Bacteroides fragilis 12611

1-Hydroxysulfamycin,
- Streptomyces melanogenes biosynthesis, structure, N.M.R., antibacterial activity 12914.

7-Hydroxytropolon,
- Pseudomonas, structure, antibiotics activity 6773.

5-Hydroxytryptamine,
- levels, Escherichia coli endotoxins effects on, colibacillosis, pigs 11494.
- salivary gland content, association, botulism, diphtheria, rats 1815.
- uptake, platelets, leprosy, man 692.

Hygiene,
- association, risk factors, toxic shock syndrome, man 10125.
- eggs, effects on maternal behavior, Labidura riparia 2390.
- food processing, food poisoning, food contamination, bacteria 13158.
- food, relationship, Shigella sonnei, Shigella flexneri, survival, factors affecting 3864
- hospitals, nosocomial infection, Enterobacteriaceae 3448.
- mastitis, cattle, conferences 10826.
- Mycoplasma bovis, infection, males, cattle 3579.
- prophylaxis, Staphylococcus aureus, dermatitis, mastitis, cattle 7279.
- skin, antiseptics, antimicrobial activity, in vivo, in vitro 408.
- straw, coliforms, role mastitis, cattle 10666.

Hygromycin B,
- antibiotic resistance, biosynthesis, Streptomyces hygroscopicus 11435.
- Streptomyces hygroscopicus, enzymes modification, association, antibiotic resistance 7719

Hylemya antiqua,
- oviposition, Allium, stimulation, bacteria 1248.
- oviposition stimuli, host plants seedlings microorganisms effects on 8136.

Hymenoptera,
- stings, association, toxic shock syndrome, man, Staphylococcus aureus 11495.

Hyperbaric oxygen therapy,
- gas gangrene, man, anaerobic bacteria 2303.

Hyperferremia,
- association, muramyl dipeptide effects on Klebsiella infection, mice 11965.

Hyperimmunization,
- Salmonella typhosa, vaccination, immune response, dogs, rabbits 9025.

Hyperinsulinemia,
- Bordetella pertussis, animal models 993

Hyperpigmentation,
- incidence, man, Ethiopia 6940.

Hypersensitive response,
- defense mechanisms, bacteria pathogens, plants 13420.
- leaves, induction, antibacterial agents, Xanthomonas vesicatoria infection, Piper nigrum, 1701.

Hypersensitivity,
- association, tuberculosis, , treatment, kidney 2106.
- disease resistance, Glycine max, Pseudomonas glycinea, temperature effects 3672.
- farmer's lung, Micropolyspora faeni, diagnosis, skin tests, characterization, man 7938.
- Glycine max, Pseudomonas syringae, blasticidin S, streptomycin, temperature 5504.
- Gossypium hirsutum, Xanthomonas oryzae, polysaccharides, role 3667.
- methicillin, treatment, Staphylococcus, nephritis, man, case reports 3382.
- Methylophilus methylotrophus proteins occupational exposure, man 13035.
- Micropolyspora faeni, pneumonia, role, complement, rabbits 593.
- Mycobacterium bovis infection, mice 536.
- Nicotina, Pseudomonas solanacearum, cytochemistry, phenolics 2407.
- relationship, infection effects on lung, man 13021.
- Saccharomonospora viridis, wood contamination, occupational exposure, man, case reports 5213.
- skin tests, Mycobacterium tuberculosis antigens, man 591.

Hypersensitivity (delayed),
- BCG vaccination, association, nutritional status, children 9029.
- effects on growth, Mycobacterium lepraemurium, characterization, mice 6106.
- inflammation, macrophages phagocytosis, Treponema pallidum, orchitis, rabbits 11613.
- inflammation, Mycobacterium tuberculosis, mycolic acid+peptidoglycans, granuloma, lung, rabbits 4281.
- Listeria monocytogenes, lymphocytes T, Rodentia 585.
- man, Mycobacterium intracellulare infection, treatment, dialyzers leukocytes extracts 6972.
- mice, Staphylococcus aureus, glycoprotein composition, cell membranes, antigens, mitogenicity 5219.
- Mycobacterium lepraemurium infection, mice 1875.
- Mycobacterium sensitins, identification, guinea-pigs, reviews 5584.
- Mycobacterium tuberculosis, tuberculosis, man, children, South Africa Rep. 5291.
- Pseudomonas aeruginosa infection, mice 10220.
- rats, cobra venom factor, complement C5 deficient mutant mice, immune response, 5206.
- relationship, chemotherapy, tuberculosis, mice 11584.
- relationship, disease resistance, antibacterial activity, Listeria monocytogenes infection, mice 5237.
- relationship, mice immune response, Listeria monocytogenes infection 11588.
- Rickettsia tsutsugamushi, experimental infection, mice 5215.

Hypersensitivity (delayed), (continued)
- role lymphocytes T subpopulations, immunity, Listeria monocytogenes 9004.
- role, Mycobacterium tuberculosis antigen L, association, BCG sensitization, guinea-pigs 8920.
- Salmonella typhimurium, experimental infection, immunity (cell-mediated), mice 4271.
- skin tests, use, detection, immune response, Salmonella infection, cattle 8906.
- Staphylococcus aureus, lymphocytes subpopulations levels, guinea-pigs 6087.
- tetanus toxoids, vaccination, case surveys, man 5259.
- tuberculosis, disease control, methodology, hospitals 9227.
- vaccines, Salmonella gallinarum, Salmonella enteriditis, Freund's adjuvant, fowl typhoid, chickens 4325.
- Yersinia enterocolitica, cross-protection, Yersinia pestis, association, temperature, mice 10215.
- Yersinia pestis, mice, immunization, immunoregulatory factors, resistance 5249.

Hypersensitivity (immediate),
- Lactobacillus fermentum, lipoteichoic acids, antigen-antibody complexes, rabbits 4278.
- Staphylococcus aureus, lymphocytes subpopulations levels, guinea-pigs 6087.

Hypersplenism,
- Streptococcus pneumoniae infection, rats susceptibility 11955.

Hypertension,
- steroids, role, intestinal microflora, bacteria, animal models 9072.

Hyperthermia,
- relationship, anesthetics, bacteria, survival, in vitro 12953.

Hypertrophy,
- outer membranes, ultrastructure, Rhizobium 12314.

Hypervitaminosis,
- retinol, effects on, Salmonella typhimurium, experimental infection, mice 3627.

Hyphae,
- Phytophthora cinnamomi, bacteria colonization, lysis, soil leachates media (culture) 3678.

Hyphomicrobium,
- alcohol dehydrogenase (acceptor) prosthetic groups, characterization 3959.
- denitrification, dimethylamine dehydrogenase, dimethylamine mono-oxgenase, nitrate reductase, kinetics, oxygen tension, effects on 2776.
- formaldehyde oxidation 12429.
- hydrogenase, activity, association, growth 6641.
- production, nitrous oxide, nitric oxide 11252.

Hyphomicrobium vulgare,
- strains, growth, electrons acceptors 12419.

Hypocalcemia,
- association, Staphylococcus aureus, toxic shock syndrome, transmission, man, case reports 2067.

Hypochlorous acid,
- myeloperoxidase activity, microbicidal activity, Escherichia coli, phagocytosis leukocytes 6926.

Hypogammaglobulinemia,
- association, bacteremia, case reports, man, Neisseria meningitidis 940.
- man, association, biliary tract infection, bacteria 10490.

Hypoglycemia,
- association, sepsis, dogs, case reports 9356.
- Escherichia coli, endotoxins, rats 3137.

Hyponatremia,
- association, Legionnaire's disease, Legionella pneumophila, clinical aspects, man 10329.

Hypoplasia,
- association, endocarditis, Neisseria gonorrhoeae, diagnosis, echocardiography, case reports, man 7098.

Hypotension,
- Escherichia coli endotoxins, complement activation, prostaglandin F1α levels, rabbits 493.
- serum neutralization gram-negative bacilli endotoxins induction, rabbits 10263.

Hypothermia,
- association, Mycobacterium tuberculosis meningitis, man, case reports 5341.

Hypothiocyanite,
- anions, antibacterial activity, Escherichia coli, Streptococcus lactis 1779.
- saliva, effects on dental plaque acid production, man 722.

Hypothyroidism,
- association, Campylobacter fetus subsp.intestinalis pericarditis, man, case reports 5367.

Hysterectomy,
- postoperative infection, prophylaxis, tinidazole, metronidazole, man 5374.
- vagina, ceforanide, comparison, cephalothin, prophylaxis, infection association, man 11987.

I.R. Radiation,
- spectroscopy, Staphylococcus, teichoic acid, cell walls, cytoplasm, DNA, peptidoglycans, protein A 12296.

I.R. Spectroscopy,
- bacteriorhodopsin protonation, purple membranes, Halobacterium halobium 9668.
- cell walls peptidoglycans, analysis, bacteria 10960.
- chromatophores, photosynthetic apparatus, Rhodospirillum rubrum 12489.
- cytochrome o, oxygen, carbon monoxide binding, Vitreoscilla 5688.
- detection, relationship, Vibrio biotypes 1301.
- lipids phase transition, membranes, Acholeplasma laidlawii 8380.
- retinylidene chromophores, bacteriorhodopsin, purple membranes, Halobacterium halobium 6555.

Ianthellabasta,
- bastadin, antibacterial activity, gram-positive bacteria 1778.

Iatrogenic diseases,
- bacteria, infants, man, characterization, reviews 7158.

Ice,
- abundance, bacteria, Arctic Ocean 12162.
- particles, bacteria, airborne microorganisms, polar environments 10818.

Ice cream,
- contamination, Salmonella, food poisoning, man 9098.

Ictalurus punctatus,
- Edwardsiella tarda infection, disease resistance, role, ascorbic acid 10218.
- immunoglobulin M, effects on, immunoglobulin M exotoxins 3141

Identification,
- Acidaminococcus fermentans, isolation cow's milk, triacylglycerol lipase characterization 6471
- Actinomyces israelii, gallbladder man, infection 6475.

Identification, (continued)
  Actinomycetes, pathogens, aerobic bacteria, clinical aspects 11956
  Aeromonas hydrophila, media (selective) 3756
  Aeromonas, methodology 2195
  Aeromonas salmonicida, morphology, phage typing 2565
  Agrobacterium, isolation, bryophyta 4698
  alkaline phosphatase peptides, role, secretion, Escherichia coli 2814
  althiomycin, Cystobacter fuscus 7713
  Ames test Salmonella typhimurium strains, methodology 1328
  anaerobic bacteria, antibiotic sensitivity testing 8286
  anaerobic bacteria, association, antibiotic sensitivity testing, methodology 9557.
  anaerobic bacteria clinical isolates, isolation, clinical microbiology, man 12231
  anaerobic bacteria, clinical microbiology 5580
  anaerobic bacteria, culture, isolation 10916
  anaerobic bacteria, gas chromatography 9560
  anaerobic bacteria, gas chromatography 9573
  anaerobic bacteria, gram-positive cocci, clinical microbiology 12229
  anaerobic bacteria, isolation, dental infection, diagnosis, man 13106
  antigenic determinants, methanogenic bacteria, characterization 6042
  API test, oral microflora 1303
  aquatic microorganisms, data acquisition, computer applications 7389
  association, DNA, packaging, bacteria, circular intensity differential scattering 12244.
  Bacillus cereus, Bacillus anthracis, spores morphology 5589.
  Bacillus cereus, Bacillus, liquid chromatography 3802.
  Bacillus, clinical aspects, isolation, characterization 10909
  bacteria, acridine orange, immunofluorescence 12239
  bacteria clinical isolates, clinical microbiology 12228
  bacteria clinical isolates, counter immunoelectrophoresis, fluorescent antibody test, clinical microbiology 12230
  bacteria, clinical microbiology, serological tests, infection, methodology, man, books 12192
  bacteria, clinical microbiology, veterinary medicine, methodology 4688
  bacteria, computer applications 3783
  bacteria, disease control, antibiotic sensitivity testing, methodology, man 11944
  bacteria, distribution, association, pollution, marine environment, sediments, USA, Virginia 12158
  bacteria, filtration, electron microscopy, ecological distribution, sea water 13514
  bacteria, L form, protoplasts, culture, clinical aspects 10927.
  bacteria, Micro-ID test, temperature effects 1306
  bacteria, microorganisms, methodology, reviews 2562
  bacteria, milk ring test 9550
  bacteria, nosocomial infection, clinical microbiology, man 9567
  bacteria, role antibiotics treatment, spondylodiscitis, man 5403.
  bacteria, toxins biodegradation 9641.
  Bacteroides fragilis, Bacteroides eggerthii, fluorescent antibody test 1287
  Bacteroides fragilis, Bacteroides melaninogenicus, diagnosis, infection, immunofluorescence, man 4523
  Bacteroides fragilis, Bacteroides melaninogenicus, immunofluorescence 2577
  Bacteroides fragilis, media (isolation) 2504
  Bacteroides gingivalis, dental plaque isolates 3778
  Bacteroides, intestinal microflora, Pisces 6476
  Bacteroids, Capnocytophaga, Treponema, oral cavity isolates, methodology, API ZYM test 2543.
  Beneckea, isolation, sediments, marine environments 3740
  blood culture, subculture, man 6458
  Bordetella, culture, isolation, clinical aspects 10892
  Brucella canis, Brucella suis, fatty acid composition 6677
  Brucella, isolation, clinical aspects 10894
  Campylobacter, clinical aspects, isolation 10899.
  Campylobacter, fatty acid composition, biochemical characteristics, taxonomy 1302
  Campylobacter sputorum subsp mucosalis, hemorrhagic enteritis, isolation, pigs 13386
  Capnocytophaga, taxonomy, keys, computer programs 12264.
  chemoautotrophic bacteria, growth, nitrogen fixation 5656
  Chlamydia, animal isolates 12273.
  Chlamydia clinical isolates, culture, clinical microbiology 12233.
  Chlamydia psittaci, animal isolates 12279.
  Chlamydia, Psittaciformes 7397
  Chlamydia, taxonomy, culture, isolation, clinical aspects 10920
  Citrobacter diversus, clinical isolates, media (selective), kanamycin antibiotic resistance 1261.
  Clostridium difficile, association, U.V. radiation, media (culture), toxins production 8255.
  Clostridium difficile, gas-liquid chromatography 12257.
  Clostridium difficile, mannitol fermentation 5592.
  Clostridium difficile, media (selective) 1321.
  Clostridium, isolation, culture, characterization 10922
  Clostridium perfringens, methodology 2547.
  coagulase positive Staphylococcus intermedius, Staphylococcus hyicus subsp.hyicus, methodology, domestic animals isolates 2569
  colicin A, colicin K, Escherichia coli 5897
  coliforms, computer applications, methodology 9554.
  coliforms, computer applications, methodology 9561
  computer applications, beef, contamination, Streptococcus, Lactobacillus 6477.
  Corynebacterium, clinical aspects, characterization 10902.
  Corynebacterium diphtheriae, association, carbohydrates utilization 8282.
  Corynebacterium equi 4700.
  Corynebacterium equi, methodology 12255.
  Corynebacterium equi, serotypes 1320.
  culture specimens, diagnosis, clinical microbiology 13255.
  diagnosis, specimens staining, observation methods, microscopy, clinical microbiology 13254.
  2,3-diamino-2,3-dideoxy-D-glucuronic acid, Pseudomonas aeruginosa, lipopolysaccharides association 9800.
  DNA fragments, phage-β, association, genes, Corynebacterium diphtheriae toxins 1640.
  Enterobacteriaceae, ,
  Enterobacteriaceae, API test, Micro-ID test 4693.
  Enterobacteriaceae, API test, Micro-ID test 12254.
  Enterobacteriaceae, Automicrobic test 3786.

Identification, (continued)
  Enterobacteriaceae, AutoMicrobic test 3801
  Enterobacteriaceae, clinical isolates, automated methods 1305.
  Enterobacteriaceae, Enterotube test, API test 1329.
  Enterobacteriaceae, isolation, serological tests, clinical aspects 10911.
  Enterobacteriaceae, keys 10889.
  Enterobacteriaceae, mathematical models 2567
  Enterobacteriaceae, methodology, Enteric-Tek 2538.
  Enterobacteriaceae, methodology, Microbact test 2546.
  Enterobacteriaceae, reagents quality control, cost-benefit analysis 6465.
  Enterobacteriaceae, urine, Gram stain, Micro-ID test 9559
  Enterobacteriaceae, urine, Micro-ID test, Autobac test, drug resistance 1307.
  enterotoxins, Staphylococcus aureus, detection, immunodiffusion 11475.
  Erysipelothrix rhusiopathiae, isolation, characterization 10904.
  Escherichia coli, biochemical characteristics, lakes isolates 7390
  Escherichia coli, methodology 4691.
  Escherichia coli, spheroplasts, indirect fluorescent antibody test 1309.
  Escherichia coli uvrC gene gene products 6604.
  Escherichieae, association, hemagglutinins typing 2570.
  eye microflora, man, methodology 4676.
  false-positives, Mycobacterium tuberculosis, Mycobacterium gordonae 6469.
  Gardnerella vaginalis, man blood culture 4690.
  gram-negative bacilli, fermentation, computer applications, methodology 9555.
  gram-negative bacteria, animal isolates, methodology 9562
  gram-negative bacteria, biochemical characteristics, API test, blood culture 12256
  gram-negative bacteria, clinical microbiology 5579.
  gram-negative bacteria, cultural characteristics, taxonomy 6474.
  gram-negative bacteria, fermentation, clinical aspects, isolation 10897.
  gram-negative bacteria, Voges-Proskauer test, fumarate reagents 10888.
  gram-positive bacilli, anaerobic bacteria, isolation, culture 10915.
  gram-positive bacteria, clinical microbiology 5578.
  Haemophilus, clinical isolates, phenotypes, nutrient requirements, indole production 8314.
  Haemophilus equigenitalis, biochemical analysis, antisera agglutination, contagious equine metritis, horses 7257.
  Haemophilus influenzae, clinical isolates, Minitek test 2558.
  Haemophilus influenzae, differential diagnosis, Haemophilus parainfluenzae, media (culture), methodology 12242.
  Haemophilus influenzae infection, man, counter immunoelectrophoresis 11966.
  Haemophilus, isolation, culture, serological tests, clinical aspects 10893.
  Haemophilus vaginalis, methodology 2542.
  heavy chains, antibodies, antisera, Neisseria meningitidis, horses, in vitro 4273.
  isolation, methodology, clinical microbiology, books 13534.
  keys, Bacillus, food 1312.
  lactic acid bacteria, fermentation, Lactobacillus, bibliographies 8247.
  lactic acid bacteria, meat products, association, vacuum packaging 9552.
  Lactobacillus, isolation, stomach, milk, sheep, cheese 9549.
  Legionella, isolation, biochemical characteristics, clinical aspects 10895.
  Legionella pneumophila antigens, use, immunoferritin electron microscopy, association, Legionnaire's disease, man 9002.
  Leptospira antigens, experimental infection guinea-pigs, counter immunoelectrophoresis 6878.
  Leptospira, serological tests, cultural characteristics, clinical aspects 10926.
  lesions, echocardiography, association bacteria endocarditis, man 6315.
  Listeria monocytogenes, clinical aspects, isolation, characterization 10906.
  mastitis pathogens, methodology 7363.
  methodology, Aeromonas, plesiomonas, clinical aspects 10910.
  methodology, bacteria, pathogens, saprophytes, plants 10891.
  methodology, bacteria, veterinary medicine 10878
  methodology, Bacteroides fragilis, bile resistance 12238.
  methodology, Neisseria gonorrhoeae, clinical isolates, immunofluorescence, comparison, agglutination 8913.
  methylotrophic bacteria, immunofluorescence, taxonomy 12271.
  Micrococcaceae, Staphylococcus, micromethods galleries 7386.
  Micrococcus, Staphylococcus, cultural characteristics 1314.
  microflora, enumeration, dental plaque, children 13075.
  microflora, respiratory tract, chickens 7225.
  Mycobacteria, smears, Ziehl-Neelsen stain 4714.
  Mycobacterium, clinical isolates, man, Sweden 6262.
  Mycobacterium, conferences 6449.
  Mycobacterium intracellulare, Mycobacterium gordonae, thin-layer chromatography 5591
  Mycobacterium intracellulare, Mycobacterium scrofulaceum, pigments, catalase 5595
  Mycobacterium, isolation, cultural characteristics, microscopy, methodology 10883.
  Mycobacterium leprae, leprosy, clinical isolates 5585.
  Mycobacterium lepraemurium, in vitro culture, animal models 5577.
  Mycobacterium, lipids, thin-layer chromatography 5581.
  Mycobacterium, mass spectroscopy, pyrolysis products 5583.
  Mycobacterium, methodology 12236.
  Mycobacterium, photochromogenicity 1308.
  Mycobacterium, sensitins hypersensitivity (delayed), guinea-pigs, reviews 5584.
  Mycobacterium, taxonomy, statistical analysis 5587.
  Mycobacterium, tests, reviews 5588.
  Mycobacterium tuberculosis, Mycobacterium bovis, pyrolysis products 2555.
  Mycoplasma clinical isolates, clinical microbiology 12234.
  Mycoplasma, culture, diagnosis, infection, reviews 9568.
  Mycoplasma, isolation, culture, taxonomy, diagnosis 10921.
  Mycoplasma, isolation, liquid culture, cultural characteristics 10857.
  Mycoplasma pneumoniae antigens, use, electrophoresis 7919.
  Mycoplasma pulmonis, Mycoplasma neurolyticum, Mycoplasma arthritidis, hemadsorption, isolates, mice 3799.
  Neisseria, agglutination 2552.
  Neisseria, Branhamella, clinical aspects, diagnosis, methodology 10905.
  Neisseria, carbohydrates biodegradation 2553.
  Neisseria, clinical isolates, carbohydrates utilization tests 1304.
  Neisseria gonorrhoeae clinical isolates, laboratories 3782.
  Neisseria gonorrhoeae, clinical isolates, Phadebact test 3785.
  Neisseria gonorrhoeae, Neisseria meningitidis, carbon sources utilization, comparison, fluorescent antibody test, agglutination 3787.
  Neisseria gonorrhoeae, penicillinase interference fluorescent antibody test 11531.
  Neisseria gonorrhoeae, Phadebact test 3429.

Identification, (continued)
  Neisseria gonorrhoeae, tests comparison, fermentation methodology, Phadebact test 7387.
  Neisseria, media (culture), Phadebact test 7383.
  Neisseria, strains, animal isolates 8348.
  nitrogen-fixing bacteria, soil isolates, computer applications 8298.
  Nocardia, Mycobacterium, clinical isolates, clinical microbiology 12232.
  non-fermentative gram-negative bacteria, association, microtube test detection, carbohydrates oxidation 2556.
  non-fermentative gram-negative bacteria, clinical aspects, isolation, characterization 10900.
  non-fermentative gram-negative bacteria, oxidasepositive gram-negative bacteria, AutoMicrobic test 2539.
  Pasteurella pseudotuberculosis, Actinobacillus lignieresii, lymphangitis, cattle 12260.
  Pasteurella, serotypes, indirect hemagglutination 3780.
  Pasturella multocida clinical isolates, penicillin G, nafcillin 3777.
  phage ΦSF1, plasmid pUC1, plasmid pUC13, Streptomyces fradiae, characterization 6747.
  phage typing, Streptococcus group B, animal isolates, cattle, hyaluronidase, pathogenicity 3805.
  pigments, photocycles, Halobacterium halobium 12498.
  Pityrosporum, isolation, media (selective), skin, man 5557
  plasmids, antibiotic resistance, drug resistance, Pseudomonas aeruginosa, hospitals, Australia 3073.
  protection antigens, detection methodology, Erysipelothrix rhusiopathiae 11562.
  proteins, ribosomal subunit 30S, interface, ribosomal subunit 50S, Escherichia coli 8507.
  Proteus mirabilis, clinical isolates, bacteriocin typing 8347.
  Pseudomonas, Actinobacillus, Pasteurella, API test, animals isolates 1296.
  Pseudomonas, isolation, methodology, clinical aspects 10882.
  Pseudomonas phaseolicola, leafspot, Pachyrrhizus erosus 1293.
  Pseudomonas, Pseudomonas aeruginosa, Pseudomonas maltophilia, fibrinolysis 2566.
  Pseudomonas serotypes, role, typing, flagella, bacteriophages 2549.
  Pseudomonas solanacearum, Pelargonium hortorum, wilt, new records 9389.
  Pseudomonas syringae infection, dieback, Pinus radiata seedlings 9417.
  Pseudomonas syringae pv.pisi, isolation, blight, Pisum sativum, symptoms 10742.
  Pseudomonas syringae, Pseudomonas mors-prunorum, Prunus armeniaca 2405
  Pseudomonas, taxonomy (numerical), meat spoilage isolates 9556.
  pyrolysis products, gas chromatography, bacteria 12240.
  Rhizobium meliloti strains, antibiotic sensitivity testing 10886.
  rhizosphere microorganisms, pathogenicity, Beta vulgaris crops, characterization 6431.
  Rhodococcus, Mycobacterium, Nocardia, chromomycin A3, use, susceptibility 5935.
  Rhodococcus, Nocardia, Mycobacterium, 5-fluorouracil susceptibility 1786.
  Rickettsia, clinical aspects, isolation, serological tests, man 10914.
  tRNA Thr, gene mapping, Escherichia coli 12763
  Salmonella, culture, chickens 2.
  Salmonella serotypes, use, β-glucuronidase activity 1522.
  Salmonella typhi strains, phage typing, use, epidemiology 3800.
  sexually-transmitted diseases, Haemophilus ducreyi, Haemophilus vaginalis, Calymmatobacterium granulomatis, isolation, characterization 11854.
  Shigella, drug resistance, R factors 12835.
  Shigella flexneri, mutants, culture, morphology, virulence 11285
  Shigella, strains, colicins, bacteriocinogeny 12876.
  Spiroplasma, infection, yellows, Cocos 3659.
  Staphylococcus aureus, clinical isolates, latex agglutination 3789.
  Staphylococcus aureus, coagulase assays 3781.
  Staphylococcus aureus, thermonuclease tests evaluation 8283.
  Staphylococcus intermedius, horses, role, phage typing 6467.
  Staphylococcus, isolates, meat, cheese 7391.
  staphylococcus, phage typing 8297
  Staphylococcus, role, infection, man, characterization 11961.
  Staphylococcus staphylolyticus, association, Staphylococcus simulans 8338.
  Streptococcus, Aerococcus, serotyping, methodology 10907.
  Streptococcus, blood culture, Phadebact test, Streptex test 3791.
  Streptococcus group B antigens, neonates man, body fluids, latex agglutination 6874.
  Streptococcus group B, CAMP test 2534.
  Streptococcus group D, litmus milk 1310.
  Streptococcus group D, methodology, SeroSTAT 2540.
  Streptococcus group G, reviews 10879.
  Streptococcus, media (selective) 5594
  Streptococcus mitis, blood culture, media (culture) 1259.
  Streptococcus mutans, bacteria, gas chromatography 2548.
  Streptococcus pneumoniae, fluorescent antibody test 4252.
  Streptomyces, mycelia color 7396.
  sulfur bacteria, oxidation, hydrogen sulfide, methodology 12270.
  taurine, Bacillus subtilis, isolation 9809
  taxonomy, bacteria 7393.
  Thiobacillus acidophilus, Thiobacillus ferrooxidans, cell density 4689.
  Treponema hyodysenteriae, swine dysentery, gnotobiotics (specific pathogen free), pigs 6339.
  Treponema, isolation, culture, clinical aspects 10925.
  Treponema pallidum antigens, association, pathogenesis 11554.
  Ureaplasma urealyticum, enzyme-linked immunosorbent assay 7910.
  urinary tract pathogens, AutoMicrobic test, cost-benefit analysis 4696.
  use, mitomycin C, Rhodococcus, Nocardia, Mycobacterium fortuitum, Mycobacterium chelonei 5967
  use, susceptibility, sodium dodecylbenzene, bacteria 12272.
  Vibrio, Aeromonas, DNA base composition, antigenic characteristics 6470.
  Vibrio, biodegradation, fucoidan, Nemacystus decipiens, coastal environments, Japan 42.
  Vibrio cholerae, enzymes assays, visual perception 3803.
  Vibrio cholerae, fluorescent antibody test 12259.
  Vibrio cholerae, phage FK, phage typing 1322.
  Vibrio, clinical aspects, pathogenesis 11976.
  Vibrio, Kovac's test, media (culture), carbohydrate composition 12246.
  Vibrio, methodology, evaluation 8302.
  Vibrio parahaemolyticus, Bolation, seasonal variations, coastal waters, Mexico 12175.
  Xanthomonas campestris var.graminis, isolation, grasses, wilt, Belgium 8145.
  Xanthomonas malvacearum, biotypes, distribution, India 7394.
  Yersinia enterocolitica, biochemical characteristics, API test, media (isolation), antibiotics 2516
  Yersinia enterocolitica, biochemical characteristics, drinking water contamination 7392.
  Yersinia enterocolitica, feces, children, Spain 2029.
  Yersinia enterocolitica, isolates, Enterotube test, animals 2533.
  Yersinia enterocolitica, motility, temperature effects, media (culture) 1348.
Idiotypes,
  monoclonal antibodies, specificity, gram-negative bacteria lipopolysaccharides 10159.
  phosphocholine antibodies, mice, Proteus morganii 10225.
Ileitis,
  Yersinia enterocolitica, pathology, man, case reports 9139.
  Yersinia pseudotuberculosis, association liver abscesses, man 7009.
Ileovesical diversion,
  dogs, urinary tract infection risks 5463.
Ileum,
  contractility, guinea-pigs, bacteria cell walls effects on 4950.
  pathology, dysbacteriosis, Crohn's disease, man 5264.
  perforation, typhoid fever, children 13169.
Imacidin C,
  amino acid sequence, biosynthesis, Streptomyces olivaceus 4151.
Imidazole,
  effects on, Clostridium perfringens enterotoxins biosynthesis, in vitro 11369.
Imidocarb,
  disease control, anaplasmosis, cattle 10670.
Immigrants,
  Asia, tuberculosis epidemiology, British Isles 11971.
  Haiti, USA, incidence, tuberculosis, drug resistance 13293.
  tuberculosis incidence, man, Germany, Fed. Rep. 11919.
Immobilization,
  asparaginase, Citrobacter 206.
  asparaginase, 2-hydroxy-3-bromopropyldextran, Escherichia coli 2813.
  bacteria, use, carrageenins gels 179.
  Brevibacterium flavum, production, glutamic acid 200.
  filamentous microorganisms, Escherichia coli, Salmonella typhimurium, Bacillus 72.
  β-D-glucosidase, bacteria, fungi 7576.
  microorganisms, role, growth synchronization 2651.
  role, glycine max disease resistance, Pseudomonas syringae pv.glycinea infection 10749.
Immobilized cells,
  Acetobacter, acetic acid biosynthesis 12692.
  Acetobacter, acetic acid production, oxygen transfer 9815.
  Brevibacterium fuscum, 12-ketochenodeoxycholic acid biosynthesis 213.
  Clostridium butyricum, hydrogen biosynthesis 4088.
  Gluconobacter oxydans, glycerol transformation, dihydroxyacetone 232.
  Mycobacterium phlei, cholesterol derivatives side chains cleavage 7457.
  Nitrosomonas europoea, metabolism, characterization 7449.
  Propionibacterium shermanii, nucleotides biosynthesis 12524.
  Rhodospirillum rubrum, mixed culture, Klebsiella pneumoniae, hydrogen production 236
  Streptomyces fradiae, proteinases, batch culture 2779.
Immobilized enzymes,
  alcohol dehydrogenase, Thermoanaerobium brockii 4888.
  amidase properties, Escherichia coli 4045.
  caldolysin, biological properties 12603.
  clay, Myxococcus virescens, lytic enzymes, activity 12582.
  β-D-galactosidase, Lactobacillus bulgaricus, characterization 196.
  hydrolysis, sphingomyelin phosphodiesterase, phosphatidylcholine, phospholipase C, phospholipase D 5767.
  micrococcal endonuclease, kinetics, Staphylococcus aureus 4894.
  Neisseria gonorrhoeae, lactaldehyde reductase (NADPH), detection, antibodies, U.V. radiation fluorescence 9805.
Immune clearance,
  Listeria monocytogenes, macrophage activating factor production, mice, strontium-89 treatment effects on 7954.
  lung bacteria, cattle, mixed infection, parainfluenza virus 3+Pasteurella haemolytica, Corynebacterium parvum effects on 13034.
  lymphatic system, role, bacteria, soft tissues infection, rabbits 10235.
  Mycoplasma bovis, bovine diarrhea-mucosal disease virus, Pasteurella haemolytica, effects on, lung, cattle 10236.
  Pseudomonas aeruginosa infection, pigs, sepsis, role lung 13024.
Immune complex diseases,
  obesity, treatment, association, glomerulonephritis, vasculitis, antigen-antibody complexes, Klebsiella pneumoniae, man 7942.
Immune response,
  acne, man, reviews 4360.
  Actinomyces viscosus, oral infection, animal models, mice 6083.
  aerodin treatment effects on, experimental infection Klebsiella pneumoniae, mice guinea-pigs 6180.
  aerodin treatment effects on, experimental infection rabbits guinea-pigs, Francisella tularensis, Pseudomonas aeruginosa 6181.
  agglutinin, Aeromonas hydrophila red sore disease, seasonal variations, Micropterus salmoides 6895.
  agglutinins levels, Vibrio anguillarum, infection, Macrobrachium rosenbergii 610.
  antibiotics effects on, association, Brucella vaccination, rabbits 10254.
  antibiotics treatment effects on, Enterobacter cloacae experimental infection, mice 13370.
  antigen-antibody complexes, leprosy, man 3213.
  antigens, Rickettsia, aorta, etiology, arteritis, man 578.
  antitumor activity, tumors regression, Salmonella minnesota endotoxins, BCG, effects on, guinea-pigs 10109.
  association, monoclonal antibodies, mice, gram-negative bacteria outer membranes extracts 11594.
  bacteria antigens, skin, Langerhans cells, guinea-pigs 10190.
  bacteria bronchopulmonary infection, pathophysiology 11581.
  bacteria diseases, pathogenesis 9381.
  bacteria infection presentation intestine sarcoma, man, case reports 827.
  bacteria joints infection, diagnosis, clinical aspects, man, conferences 5550.
  bacteria, lipopolysaccharides, mice, characterization 8967.
  bacteria sepsis, children 10205.
  bacteriuria, pregnancy, man 1893.
  bacteriuria, ureter, Escherichia coli, Proteus mirabilis, persistent infection, antibody-coated bacteria, man, case reports 3378.
  Bordetella bronchiseptica, atrophic rhinitis, pigs 1061.
  Brucella abortus, cattle, immunodiffusion 502.
  Brucella, immunoglobulin E, vaccination, man 10257.

Immune response, (continued)
Campylobacteriosis, Campylobacter fetus subsp.fetus, immunization, cattle, reviews 6923
cattle, Brucella abortus antigens characterization 6097
chickens, Salmonella paratyphi, spleen cell culture 10217
Chlamydia psittaci infection, mice 3226
Chlamydia trachomatis infection, association, endometritis, man, case reports 2071.
Clostridium hemolyticum vaccination, redwater, cattle 628.
contagious equine metritis, Haemophilus equigenitalis, diagnosis, serological tests comparison, horses 11619
Cornyebacterium renale, passage, urinary bladder, kidney, mice 8952
Corynebacterium diphtheriae, Clostridium tetani, toxoids, man 634
defense mechanisms, bacteria infection, man 6905
Erysipelothrix rhusiopathiae vaccination+medicine feed additives, swine erysipelas prophylaxis, pigs 5255
Escherichia coli, diarrhea, man 833
Escherichia coli, Hyalophora cecropia 543
Escherichia coli, lipopolysaccharides, lymphocytes B, association, dietary restrictions, mice 10232.
Escherichia coli, Staphylococcus aureus, marcrophages, cytotoxicity, opsonization 9000.
experimental infection, Mycobacterium marinum, mice 565
experimental infection, toxoids, Clostridium haemolyticum, cattle 1831.
gastrointestinal tract infection, bacteria, fungi, association, immunodeficiency, man 11577
gram-negative bacteria superinfection, man 6900.
granuloma inguinale, Calmmatobacterium granulomatis, man 2172.
granuloma, Mycobacterium leprae, BCG, Mycobacterium kansasii, lymph nodes, animal models 548
Haemophilus influenzae meningitis, leukocytes (neutrophilic), macrophages, neonates, rats 8955
hemolymph, pathogenicity, Bacillus cereus, Galleria mellonella 7948
host-pathogen interactions, role, bacteria cell surface, reviews 8964
hypersensitivity (delayed), Listeria monocytogenes, effects on, rats, cobra venom factor, complement C5 deficient mutant mice 5206
immunoglobulin A, immunoglobulin G, prostatitis, Escherichia coli 590.
immunoglobulin G, antigens, Treponema pallidum, experimental infection, rabbits 1874
induction, inactivation bacteria, topical application, treatment, skin infection, animal models 7934
infectious diseases effects on man, reviews 13032.
Klebsiella, Streptococcus pneumoniae, polysaccharides, mice, cross-reactivity, immunodiffusion, vaccines 3184.
L Cells, infection, Rickettsia prowazekii survival, interaction, phospholipase A 11596.
Lactobacillus plantarum, adjuvanticity, activation, natural killer cells, mice 10221
legionnaire's disease, Legionella pneumophila, association, Salmonella typhi, antigen O, case reports, man, Norway 6907
Leptospira serotypes vaccines, comparison, hamsters, dogs 9044
leukocytes (neutrophilic). bacteria infection, dialysis, man 7939.
leukocytes (polymorphonuclear), Pseudomonas aeruginosa pneumonia, immunocompromised hosts, guinea-pigs 8961.
leukocytes (polymorphonuclear), urinary bladder epithelium, Escherichia coli experimental infection, rats 5239
Listeria monocytogenes, association, pregnancy, mice 7931
Listeria monocytogenes infection, mice, ampicillin, effects on, lymphocytes T 1900
Listeria monocytogenes, lauroyltetrapeptide, muramyl dipeptide, immunostimulation, mice 10198
Listeria monocytogenes, lymphocytes T, function, in vitro, in vivo 11599
lung tuberculosis, man 547
lymph nodes, sheep, Staphylococcus aureus, vaccines 3252.
lymphocytes, levamisole immunostimulation, Brucella abortus vaccination, cattle 6128
lymphocytes stimulation, Streptococcus equi, protein M, phytohemagglutinin, horses 11608
lymphocytes T subpopulations, syphilis, man 10188.
macrophages activation, periodontitis, man 5244.
man, bronchopneumonia, leukocytes (granulocytic) 13041.
man, hepatitis B surface antigen, association leprosy 8962.
man, insulin, association, Escherichia coli polypeptides, immunogenetics 8905
man, Neisseria meningitidis vaccines, capsules polysaccharides 6129.
memory cells, Vibrio cholerae toxins immunization, mucosa, rats 7960.
mice, lymphocytes B, Streptococcus mutans cell walls carbohydrates antigens 6114
mice, Neisseria meningitidis 1902.
mice, relationship, hypersensitivity (delayed), Listeria monocytogenes infection 11588
mice, spleen, Staphylococcus aureus protein A effects on 8974.
middle ear, man, otitis media, bacteria pathogenesis 8999
mycobacteriosis, conferences 6449.
Mycobacterium bovis infection, role Bcg gene, mice 6903.
Mycobacterium kansasii infection, suppressor cells, helper cells, mice 4298.
Mycobacterium tuberculosis, antigens, lymphocytes T, cytotoxicity 11627
Mycoplasma, cell surface, complement lysis, phagocytosis 10240.
Mycoplasma gallisepticum infection, chickens 603.
Mycoplasma mycoides subsp.mycoides, infection, cattle, antibodies detection, passive hemagglutination 11628.
Mycoplasma pneumoniae, infection, hamsters 6894.
Mycoplasma pneumoniae, infection, neurological complications, immune response, diagnosis, man 2236.
Mycoplasma synoviae, Marek's disease, infection, chickens, effects on 1887.
Neisseria meningitidis, vaccination, children, man 4326.
nitric oxide effects on Pasteurella multocida infection, mice 6075.
Nocardia asteroides, lymphocytes B, role, mice 6078.
Pasteurella multocida infection, lung, mice, radioactive labelling 7930.
Pasteurella multocida vaccination, rabbits 3248.
periodontitis, man, reviews 5220.
pertussis vaccination, children 7957.
phagocytes, phagocytosis bacteria, defense mechanisms 6898.
pneumonia, bronchitis, infection, Streptococcus pneumoniae, Staphylococcus, Haemophilus, man 599.
pneumonitis, Chlamydia trachomatis, role, immunoglobulin G, immunoglobulin A, nude mouse 6108.
Pseudomonas aeruginosa infection, immunodeficiency, man, reviews 11568.

Immune response, (continued)
Pseudomonas aeruginosa nasal infection, leukocytes (neutrophilic), role, mice 6086
Pseudomonas aeruginosa toxoids, immunoglobulin E, mice, characterization 7933.
Pseudomonas aeruginosa, vinblastine, effects on, lymphocytes T, role, mice 11575.
rabbits, Escherichia coli, enterotoxins, antigens synergism 10192.
recurrent infection, bacteria, leukocytes (polymorphonuclear), monocytes, clinical aspects, infants, man 6069.
role, lymphocytes T memory cells, Listeria monocytogenes infection, immunological memory, Rodentia 4311.
saliva immunoglobulins, Klebsiella, urinary tract infection, association, ankylosing spondylitis, man 4289.
Salmonella infection, detection, use, hypersensitivity (delayed) skin tests, cattle 8906
Salmonella minnesota, R form, S form, specificity, mice 570.
Salmonella typhimurium, experimental infection, antigen O, juveniles, cattle 9021.
Salmonella typhimurium experimental infection, RNA effects on, rats 4292.
Salmonella typhimurium experimental infection, role, antibodies, macrophages, mice 1903.
Salmonella typhosa, vaccination, hyperimmunization, dogs, rabbits 9025.
salpingitis, isolation Chlamydia trachomatis, fallopian tube 923.
sepsis, Escherichia coli, role, lung edema, dogs, Papio cynocephalus 1970.
septicemia, Erwinia herbicola, children, case reports 3516.
Staphylococcus aureus, immunoglobulin G, complement, activation, monocytes 11591.
Streptococcus group B, proteins, characterization 10193.
Streptococcus pneumoniae diseases, conferences 7350.
Streptococcus pneumoniae infection 6918.
Streptococcus pneumoniae polysaccharides antigens, animal models 6912.
Streptococcus pneumoniae vaccination, association, kidney diseases, man 5256.
Streptococcus pneumoniae vaccination, kidney transplantation, man 6133.
Streptococcus tonsillitis, man 779.
suppressor cells, Mycobacterium antigens, tuberculosis, leprosy, man 4315.
swine dysentery, Treponema hyodysenteriae, pigs 6098.
syphilis, animal models 5347.
syphilis, man 6893.
Treponema pallidum, virulence, rabbits 6040.
tuberculosis, lymphocytes, macrophages, man 11600.
tuberculosis, Mycobacterium tuberculosis, immunological aspects, man, animals, reviews 6110.
tuberculosis, Mycobacterium tuberculosis, pathogenesis, diagnosis, man, reviews 13042
tumor-bearing mice, Listeria monocytogenes tolerance, Corynebacterium parvum effects on 5208.
ultrastructure, neuritis, Mycobacterium leprae, man 11603.
vaccination, Maraxella bovis, keratoconjunctivitis, juveniles, cattle 9050.
Vibrio cholerae, immunoglobulin A, immunoglobulin G, rats 592.

Immune response (cell-mediated),
Anaplasma marginale experimental infection, cattle 3228.
bacteria, association, macrophages, lymphocytes T, interaction 11567.
Bacteroides fragilis, capsules, polysaccharides, mice 11574.
Brucella melitensis, endocarditis, antibiotics treatment, man, case reports 9238.
cattle, pathogenicity, paratuberculosis, juveniles, Mycobacterium 6062.
Chlamydia trachomatis genital tract infection, man 6100.
endocarditis, Streptococcus intermedius, experimental infection, mustine, immunosuppression, rabbits 6077.
experimental infection, Mycobacterium tuberculosis, macrophages, release, hydrogen peroxide, guinea-pigs 10180.
Francisella tularensis infection, man 553.
leprosy, man 6891
leprosy, pathogenesis, characterization, man 11609.
levamisole treatment effects on, Staphylococcus infection, skin diseases, man 9075.
Listeria monocytogenes infection, lymphocytes T 3209.
lymphocyte transformation, Pseudomonas maltophilia, Mycobacterium kansasii, association, Crohn's disease, man 3234
man, schistosomiasis, treatment, niridazole, inhibition 3237.
Mycoplasma hyopneumoniae, infection, vaccination, pigs 1892.
rabbits, Mycobacterium, Nocardia asteroides 1889.
sheep, lung experimental infection, Pasteurella haemolytica, phagocytosis 10199.
suppressor cells, experimental infection, Mycobacterium habana, Mycobacterium simiae, gnotobiotics (specific pathogen free), mice 6063.
Treponema pallidum, experimental infection, rabbits, treatment, cortisone, effects on 3198
typhoid fever, man 8948.
Whipple's disease, bowel, man 2048.

Immune response (humoral),
antibody-coated bacteria, immunodiagnosis, urinary tract infection, bacteria, man 4302.
bacteria, periodontitis, enzyme-linked immunosorbent assay, immunoglobulin A, immunoglobulin G, man 10178.
Brucella melitensis, endocarditis, antibiotics treatment, man, case reports 9238.
Chlamydia trachomatis, antibody response, infants, children, man 8986.
gonorrhea, man 545.
immunocompromised hosts, kidney transplantation, vaccination, Streptococcus pneumoniae, effects on, man 627.
man, Streptococcus glomerulonephritis 11589.
Mycoplasma hyopneumoniae, infection, vaccination, pigs 1892.
Mycoplasma meleagridis, immunosuppression, turkeys, characterization 6081.
Newcastle disease virus vaccination, suppression, Mycoplasma meleagridis infection, turkeys 4303.
Pasteurella multocida, infection, enzyme-linked immunosorbent assay, turkeys 6031.
salmonellosis, immunostimulation, phenylalanine, deficiency, lactalbumin, diets, mice 3212.
stimulation, fever, Salmonella enteritidis infection, rats 11563.
Treponema pallidum, experimental infection, rabbits, treatment, cortisone, effects on 3198
typhoid fever, man 8948.

Immune RNA,
spleen, rabbits, Corynebacterium diphtheriae, toxoids, antibody response, mice 11620.

Immune serum,
antibodies, precipitatim, antigens, Treponema pallidum, purification 10171.
association, antibodies detection, Streptococcus group A, infection, man, heart 9015.

Immune serum, (continued)
Brucella abortus, agglutinins, calcium, cations, association, agglutination 11572.
immunization (passive), Pseudomonas aeruginosa, M form, slimes, experimental infection, mice 9065.
methanotrophic bacteria, mixed culture, species composition, control 10.
opsonization, immunotherapy, Streptococcus group B, infection, neonates, rats 4341.
production, Pseudomonas aeruginosa, vaccination, sheep 8917.
treatment, inflammation, Escherichia coli endotoxins, rabbits 6865
Immune system,
association, Bordetella pertussis vaccination, thymectomy, mice 6119
association, postoperative infection, risk factors, man 13258
association, tetanus, man 13028
synergism penicillins, defense mechanisms, man 13029
tumors, carcinoma, fats dietary intake, bacteria, viruses, fungi, animal models, man, reviews, conferences 13265.
Immunity,
animals, infection, Pseudomonas aeruginosa, animals, flagella antigens 10177.
bacteria, assays, pollutants immunosuppression, animal models 13026.
bacteria, exotoxins, Eisenia fetida andrei 6066
bacteria infection, man 6901.
bacteria infection, role leukocytes (polymorphonuclear), man 6105.
bronchopulmonary infection, bacteria, man 13038
Brucella suis, role histocompatibility antigen H-2, mice 8985.
Campylobacter fetus subsp.venerealis, vaccination, cattle 11646.
cattle, Pasteurella haemolytica, Pasteurella multocida, vaccination, bovine rhinotracheitis virus infection effects on 9039.
Chlamydia psittaci pneumonitis, vaccines, cats 13063.
Chlamydia trachomatis, genital tract, experimental infection, marmosets, animal models 6218
Clostridium tetani, tetanus, children, man 4290.
Clostridium tetani, tetanus, detection, passive hemagglutination, man, hospitals 4304.
Clostridium tetani, tetanus, metals, workers, man 4310
Clostridium tetani, tetanus, methodology, man 4287.
Clostridium tetani, tetanus, urban environments, rural environments, man 4307.
Clostridium tetani, tetanus, vaccination, dosage, man 4352.
Clostridium tetani, tetanus, vaccination, man 5205.
Clostridium tetani vaccination, association, antibody response, immunoglobulin G, man, reviews 4353
colicins, Escherichia coli, plasmids, gene mapping, gene products, proteins, membranes 3071
defense mechanisms, cholera, man 6897
diarrhea, Escherichia coli, antibacterial activity, colostrum, pigs, neonates 4580
diarrhea, Vibrio, man, reviews 11776.
diphtheria, children, New Zealand 11590
diphtheria, occupational exposure, hospitals personnel 5221
Galleria mellonella, infection, Pseudomonas aeruginosa, Proteus mirabilis, Naja naja atra cobra venom factor effects on 3192.
genitourinary tract infection, bacteria, pregnancy, man, reviews 2061
heartwater fever, dithiosemicarbazone effects on, sheep 8953.
hemolymph, effects on ultrastructure, Pseudomonas aeruginosa, Galleria mellonella 10234.
induction, killed Salmonella dublin injection, salmonellosis, 9040.
infection, role, Escherichia coli antisera 3203
keratitis, vaccination, Pseudomonas aeruginosa, M form, slimes, rabbits 9062
killed Listeria monocytogenes vaccination, mice 6116.
Legionella pneumophila, antibody response, man 7946.
Leptospira infection, role, antibodies, Leptospira lipopolysaccharides antigens, mice 8996
Leptospirosis, vaccination, hamsters 9053.
Listeria monocytogenes, association, trehalose dimycolate, mice 10208
Listeria monocytogenes, experimental infection, senescence, effects on, mice 11605.
Listeria monocytogenes, lymphocytes T, mice, aging effects on 6095.
Listeria monocytogenes, macrophages 6925
Listeria monocytogenes, role lymphocytes T subpopulations, hypersensitivity (delayed) 9004
man, animal models, Staphylococcus aureus infection, immunosuppression, opsonization fibronectin 10183.
Mycobacterium, antigens, pathogenicity, mice, comparison, man 10211.
Mycobacterium lepraemurium infection, mice 1875.
Mycoplasma pneumoniae vaccines, challenge assays, hamsters 10273
Mycoplasma pneumoniae, vaccines, polysaccharides antigens, animal models 10272.
Neisseria gonorrhoeae, vaccination, pili, guinea-pigs 10267
Neisseria meningitidis sepsis, endophthalmitis association, man, case reports 11586.
Neoaplectana carpocapsae, effects on Xenorhabdus nematophilus symbionts 4598.
oral diseases, man 3750
otitis, Streptococcus pneumoniae, recurrent infection, animal models 787.
pasteurellosis, role, Pasteurella multocida vaccination, rabbits 6127.
Pseudomonas aeruginosa, temperature-sensitive mutant, vaccination, mice 10264
rats, Escherichia coli enterotoxins rats 4237
role, Cowdria ruminantium strains, antigenic relationship 1851
role, macrophages, Salmonella typhimurium infection, mice 8991.
role papovavirus, warts, tumorigenesis, Mycobacterium scrofulaceum concurrent infection, man 6311.
role, reticulo-hemopoietic tissue, Bacillus thuringiensis, Locusta migratoria 6076.
Salmonella typhimurium salmonellosis, vaccines, cattle 13060
Staphylococcus aureus, nose secretions, man, space flight effects on 8972.
Streptococcus group B infection, role, macrophages, neonates, rats 5211.
Streptococcus pneumoniae, C-reactive protein, role, mice 11606
Streptococcus pneumoniae polysaccharides vaccination, maternal transfer, man, mice 6932
tetanus, man, India 5223.
tetanus, vaccination, children, man 4351
toxic shock syndrome, antibody response 10243
Treponema, dysentery, pigs 10172.
Treponema pallidum, syphilis, man, reviews 3426
turkeys offspring, parents coryza immunization (passive) 4330
vaccination, Haemophilus parasuis, pigs 13054
vaccination, Neisseria gonorrhoeae ribosomes, guinea-pigs 10248
Yersinia enterocolitica infection, BCG immunostimulation, mice 7959
Immunity (cell mediated),
monocytes, Schistosoma mansoni, larval, infection, association, tuberculosis, man 3225.
Immunity (cell-mediated),
Achromobacter xylosoxidans experimental infection, immunocompromised hosts, mice 8963
bacteria, infection, animal models, reviews 9017.
Coxiella burnetii antigens, vaccination, lysozyme effects on, guinea-pigs 575.
effects on, Mycobacterium leprae, Mycobacterium marinum, infection, mice 3202.
immunodeficiency, association, acne, treatment, levamisole, children, case reports 1926.
immunostimulation, ubiquinones, Listeria monocytogenes experimental infection, mice 3583.
leprosy, clinical manifestations, man 8997.
leprosy, Mycobacterium leprae, man 6080.
Listeria monocytogenes infection, mediators, lymphocytes T, characterization 3211.
Listeria monocytogenes infection, role, effector cells 3210.
Listeria monocytogenes, macrophages, inflammation, genetic factors, mice 5231.
Listeria monocytogenes, proteins, dietary intake, effects on, mice 9020.
macrophages, vaccination, live Listeria monocytogenes, mice 4343.
man, meningitis, Mycobacterium tuberculosis, cerebrospinal fluid adenosine deaminase 4318.
mice, Mycobacterium leprae experimental infection, brain, disease spread 13413.
milk lymphocytes, assays, brucellosis, cattle 10137.
Mycobacterium avium-intracellulare lymphadenitis, man, case reports 7122.
periodontal diseases, Veillonella alcalescens, role, lymphocytes T, man 1872.
Pseudomonas aeruginosa infection, mice 10220.
role, Salmonella typhimurium elimination, infection, chickens 5230.
Salmonella typhimurium, experimental infection, hypersensitivity (delayed), mice 4271.
Salmonella vaccination, mice 9059.
vaccination, Salmonella dublin, cattle 624.
Immunity (humoral),
antibacterial activity, proteins, gram-negative bacteria, Galleria mellonella, Hyalophora cecropia, Lepidoptera 3227.
biliary tract diseases, association, bacteremia, Staphylococcus, man 2196.
cattle, infection, Haemophilus somnus, antibody response 8993.
leprosy, Mycobacterium leprae, man 6080.
phagocytes, burn patients, man, characterization 10237.
Plasmodium berghei, mice, killed Corynebacterium parvum, Mycobacterium bovis experimental infection, effects on 4282.
role, vaccination, Salmonella typhimurium, mice 10261.
small intestine ablation, pathogenicity, Escherichia coli, endotoxins, rats 12981.
Immunity (passive),
Escherichia coli, vaccination, pregnancy, antibody response, maternal transfer, juveniles, pigs 5257.
Immunization,
Australia, disease control, reviews 9056.
BCG, association, proliferation, macrophages, lymphocytes, guinea-pigs 9028.
Campylobacteriosis, Campylobacter fetus subsp.fetus, immune response, cattle, reviews 6923.
diphtheria, toxins, peptides, adjuvanticity 11641.
glucosyltransferase, Streptococcus mutans, hamsters 9064.
irradiated tumor cells, Clostridium parvum effects on, mice 10210.
man, pneumonia, Streptococcus pneumoniae infection, antibody response, association paraproteinemia 8949.
methodology, BCG vaccines, children 9060
mucosa, Vibrio cholerae toxins, memory cells immune response, rats 7960.
sheep, foot rot, Bacteroides nodosus vaccines, antigens, association, pili 10247.
tetanus, side effects, pericarditis, man 10245.
travellers, bacteria infection 13053.
treatment, Staphylococcus burn infection, man 11991.
Yersinia pestis, mice, hypersensitivity (delayed), resistance 5249.
Immunization (passive),
association, Escherichia coli clearance, turkeys 9051.
bacteria endotoxins antibodies, endotoxin shock, cats 664.
Bordetella pertussis, man 613.
coryza, parents, association, offspring immunity, turkeys 4330.
Escherichia coli, neonates, cattle 9063.
Escherichia coli+rotavirus, maternal transfer, antibody response, juveniles, cattle 9054
immunoglobulin G, Mycoplasma pulmonis, experimental infection, mice 4332.
immunoglobulin G, Streptococcus pneumoniae polysaccharides antigens, mice 6931.
mice, evaluation, vaccination, pigs, Erysipelothrix rhusiopathiae 13059.
mice, rabbits immunoglobulins, Pseudomonas septicemia 11648.
Pseudomonas aeruginosa, M form, slimes, experimental infection, immune serum, mice 9065
Streptococcus group A, protein M, reactivity, hybridoma, monoclonal antibodies, mice 11560.
Immunoassays,
antimicrobial agents, antimicrobial activity, characterization 11384.
coupling factor B, methodology, Escherichia coli, Paracoccus denitrificans, chloroplasts, heart cattle 4250.
detection, Leptospira interrogans ser.hardjo, antigens 11536.
detection, proteins antigens, association Escherichia coli DNA clones 7902.
epidemiology, tuberculosis, zoological gardens animals 7913.
fluorescence, Treponema pallidum antibodies 5190.
immunoglobulin M detection, syphilis, man 10134.
plaques, complement serum, antibacterial activity, Neisseria gonorrhoeae 11533.
Rhizobium trifolii, lipopolysaccharides, binding, lectins, Medicago sativa, immunoassays, roots, infection 2630.
Immunochemistry,
Clostridium difficile, toxins 5155.
conformational analysis thermolysin C-terminus fragments, Bacillus thermoproteolyticus 4892.
Escherichia coli enterotoxins, subunit structure 12971.
lipopolysaccharides, antigen O, association, N-acetyl-D-glucosamine, Proteus mirabilis 8655
Micrococcus luteus, adenosinetriphosphatase subunits, antigenicity 5766.
ribosomal proteins, comparison, Escherichia coli, Bacillus stearothermophilus 4826.
Immunocompromised hosts,
association, respiratory tract diseases, man 10174.
association, septicemia, Yersinia enterocolitica, case reports, man 7207

Immunocompromised hosts, (continued)
- bacteremia, Aeromonas hydrophila, incidence, antibiotic resistance, man 2241
- bacteremia, Capnocytophaga ochracea, clinical aspects, man 8035
- cancer patients, chemotherapy, bacteria opportunist infection 11922
- cotrimoxazole prophylaxis, septicemia, Enterobacteriaceae, drug resistance 8863
- diabetes mellitus, antibiotic CGP 9,000, clinical trials, urinary tract infection, man 6227.
- dialysis, tuberculosis, Mycobacterium, case surveys, man 7186
- endophthalmitis, Moraxella nonliquefaciens, case reports, man 7167
- guinea-pigs, Pseudomonas aeruginosa pneumonia, immune response leukocytes (polymorphonuclear) 8961.
- Hodgkin's disease, Nocardia asteroides abscesses, man, case reports 6273
- immunity (cell-mediated), Achromobacter xylosoxidans experimental infection, mice 8963
- incidence, infection, bacteria, fungi, prophylaxis, man, reviews 5372
- infection, Nocardia, Actinomyces, reviews 6253
- kidney transplantation, antibody response, Streptococcus pneumoniae kidney transplantation, man 11640
- kidney transplantation, vaccination, Streptococcus pneumoniae, effects on immune response (humoral), man 627
- Legionella pneumophila pneumonia, case reports, Belgium 6174
- Legionnaire's disease, diagnosis, children, case reports 1984
- leukemia, gram-negative bacteria infection, treatment, cefotaxime+amikacin, man 6277
- lymphoma chemotherapy, association, infection, Staphylococcus aureus, Pseudomonas aeruginosa, man 6307
- man, abdomen abscesses diagnosis, computerized tomography 5380
- man, association, pneumonia, empyema, Staphylococcus 5306
- man, bacteremia, case reports, Neisseria sicca 948
- nocardiosis, Nocardia asteroides, immunological aspects, epidemiology, man 6196
- nosocomial infection, antibiotic resistance, Corynebacterium, new records, man 10635
- nosocomial infection, bacteria, disease control, incidence, diagnosis, man 10513
- nosocomial infection, disease control, isolation units, man 11915
- nosocomial infection, nosocomial environments, disease control, antimicrobial resistance, bacteria, man, conferences, books 10835
- peritonitis, characterization, bacteria, man 10173
- Pittsburgh pneumonia agent, pneumonia, pathogenesis 10339
- pneumonia, Nocardia asteroides, Mycobacterium tuberculosis, diagnosis, bronchoscopy, man 6998
- Pseudomonas aeruginosa infection, treatment, ticarcillin, mice 3201
- renal failure, association, Staphylococcus aureus infection 6948

Immunodeficiency,
- association, bacteria infection, joints, bones, man 5391
- association, gastrointestinal tract infection, bacteria, fungi, immune response, man 11577
- association, Mycobacterium fortuitum lung infection, man, case reports 799
- association, Neisseria meningitidis infection, leukocytes (neutrophilic) stimulation, role, antibodies, complement, children 3206
- complement C6, association, Neisseria meningitidis meningitis, recurrent infection, man, case reports 906
- complement C9, association, killing Neisseria, man, case reports 5225
- immune response, Pseudomonas aeruginosa, infection, man, reviews 11568
- immunity (cell-mediated), association, acne, treatment, levamisole, children, case reports 1926
- immunoglobulin A, children, +recurrent infection bacteria, effects on leukocytes (neutrophilic) chemotaxis 10631
- immunoglobulin A, complement C8, association, Neisseria meningitidis recurrent infection, man, case reports 3405
- immunoglobulin A, immunoglobulin G, association, meningitis, children 1896.
- immunoglobulin G, association, salmonellosis, horses, juveniles 572
- leukocytes (neutrophilic), phagocytosis Staphylococcus aureus, recurrent infection, man 10207
- leukocytes (polymorphonuclear) migration, Pseudomonas aeruginosa, otitis, man 9127
- lymphocytes T, mixed infection, Mycobacterium avium-intracellulare, cytomegalovirus retinitis, homosexuality, man 13266
- suppressor cells, brucellosis, colchicine effects on, man 1873

Immunodiagnosis,
- Acholeplasma laidlawii, Acholeplasma granularum infection, pigs 8116
- brucellosis, Alces alces 10662
- Chlamydia infection, complement fixation, indirect hemagglutination, man 12992
- complement, Chlamydia infection, cattle, assays 1850
- complement fixation, Tyzzer's disease, laboratory animals, rats 3575
- epididymitis, Brucella ovis, enzyme-linked immunosorbent assay, immunofluorescence, complement fixation, sheep 13409
- gonorrhea, radioimmunoassay, enzyme-linked immunosorbent assay, man 11527
- Legionella pneumonia, indirect fluorescent antibody test, man 10139
- legionnaire's disease, books, conferences 10830
- Legionnaire's disease, man 11715
- leptospirosis, man 12998
- Mycoplasma infection, cattle 10706
- pertussis, children 11705.
- pneumonia, cattle, infection, Mycoplasma, Ureaplasma 10707
- Rickettsia infection, man 11528
- syphilis, serological tests, man 3422.
- urinary tract infection, bacteria, immune response (humoral), antibody-coated bacteria, man 4302.

Immunodiffusion,
- antigenic characteristics, Nocardia, Actinomadura, Nocardiopsis, taxonomic significance 1294
- Brucella abortus, immune response, cattle 502
- Clostridium botulinum type A, toxins, detection 3122
- detection, Legionella pneumophila antibodies, man 4246.
- enterotoxins, Staphylococcus aureus, detection, identification 11475.
- Mycobacterium, Mycobacterium leprae, antigenic relationship, role, diagnosis, leprosy 3177.
- polysaccharides, Klebsiella, Streptococcus pneumoniae, cross-reactivity, immune response, mice 3184.
- use Brucella melitensis polysaccharides, purification 8907.

Immunoelectron microscopy,
- labelling, Actinomyces viscosus, methodology, characterization 11532
- Streptococcus agalactiae, cell walls, polysaccharides, antigens 4256.

Immunoelectrophoresis,
- antigenic characteristics, antigenic relationship, Spiroplasma citri, Spiroplasma 1859

Immunoelectrophoresis, (continued)
- antigenic characteristics, Mycobacterium bovis 3171
- BCG antigens, skin tests, sensitization guinea-pigs, guinea-pigs 3173.
- detection, Haemophilus influenzae antigens, comparison, latex agglutination 5183.
- diagnosis, Neisseria meningitidis meningitis, man 7381
- differentiation, Xanthamonas translucens f.sp.oryzicola leaf streak, Xanthomonas oryzae blight, Oryza sativa 8941
- Mycobacterium, antigenic relationship 6041
- Rhodococcus antigens characterization 10142.
- sialic acid, Neisseria meningitidis, Escherichia coli 5792

Immunoelectrophoresis (crossed),
- fibronectin-binding protein, isolation, Staphylococcus aureus 8539

Immunofluorescence,
- acridine orange, identification, bacteria 12239
- agglutination, complement fixation, comparison, Campylobacter fetus subsp.jejuni infection, antibodies serum levels, man 8912
- antibody-coated bacteria, diagnosis, urinary tract infection, children 855.
- antigens, Bacteroides fragilis, characterization 8923
- Chlamydia trachomatis, Chlamydia psittaci, antigens, localization, outer membranes, McCoy cells, cell culture 3178.
- comparison, agglutination, identification methodology, Neisseria gonorrhoeae, clinical isolates 8913.
- detection, bacteria, Whipple's disease, man 1029
- identification, Bacteroides fragilis, Bacteroides melaninogenicus 2577.
- identification, diagnosis, Bacteroides fragilis, Bacteroides melaninogenicus, infection, man 4523
- identification, methylotrophic bacteria, taxonomy 12271.
- immunodiagnosis, Brucella ovis, epididymitis, sheep 13409
- legionnaire's disease, diagnosis, man 740.
- melioidosis diagnosis, man 5243
- perihepatitis, Chlamydia trachomatis, laparoscopy, case reports, man 12013.
- serotyping, Bacteroides fragilis, man isolates 1295.
- Ureaplasma urealyticum, serotyping, antigenic determinants 3788.

Immunogenetics,
- Escherichia coli polypeptides, association insulin 8905.
- susceptibility, meningitis, man, family studies 10185.

Immunogenicity,
- Brucella suis L form, lymphoid tissue, mice 11595.
- Escherichia coli cell surface antigens, rabbits 10200.
- gonorrhea pili, clinical trials, man, characterization 6058.
- killed Bordetella bronchiseptica vaccines, mice 9041.
- Leptospira serotypes vaccines, comparison, hamsters, dogs 9044.
- Leptospira vaccines, preparation, association, protein-free media, dogs 9046
- Mycobacterium-intracellulare-scrofulaceum glycoproteins antigens, antibody response, rabbits 6890
- Salmonella typhi ribonucleoproteins, vaccination, mice 9034.
- Shigella sonnei lipopolysaccharides, animal models 13008.
- Streptococcus pneumoniae, vaccines, polysaccharides, man 11639.

Immunoglobulin A,
- antibody response, Chlamydia trachomatis, breast milk, colostrum, man 8965.
- association, Streptococcus mutans agglutinins, saliva, man 552.
- bacteriostasis, Escherichia coli, Pseudomonas aeruginosa, association, lactoferrin, transferrin 6099
- binding, Salmonella typhimurium, effects on cell surface physicochemical properties, interaction, phagocytes 1330.
- breast milk immunological aspects, man, lactation time effects on 8959.
- detection, lymphogranuloma venerum, Chlamydia trachomatis, radioimmunoassay, man 10196
- enzyme-linked immunosorbent assay, periodontitis, immune response (humoral), bacteria, man 10178.
- immune response, prostatitis, Escherichia coli 590.
- immunodeficiency, association, meningitis, children 1896.
- immunodeficiency, association, Neisseria meningitidis recurrent infection, man, case reports 3405
- immunodeficiency, children, +recurrent infection bacteria, effects on leukocytes (neutrophilic) chemotaxis 10631
- immunological memory, Shigella flexneri antigens vaccination, rabbits 6906.
- inactivation, Bacteroides melaninogenicus, Capnocytophaga, Bacteroides asaccharolyticus, periodontal diseases, characterization 6043.
- inhibition, Escherichia coli, attachment, mucosa, urinary tract, man 3194.
- levels, association, glomerulonephritis, comparison, rheumatic fever, Streptococcus, man 12015.
- levels, dental plaque, Streptococcus mutans infection, cancer patients 718.
- levels, urine, urinary tract infection, man 3193
- man, levels, Yersinia enterocolitica, enzyme-linked immunosorbent assay, use, lipopolysaccharides 7911.
- nose secretions, Staphylococcus aureus immunity, man, space flight effects on 8972
- proteinase, bacteria, characterization, role infection man 9728.
- role, immune response, pneumonitis, Chlamydia trachomatis, nude mouse 6108.
- role, immunological enhancement, peroxidase antibacterial activity, Streptococcus mutans, mice 8982.
- saliva, antibody response, Streptococcus mutans, dental caries, children 13045.
- saliva, inhibition, Streptococcus mutans, adherence, hydroxyapatite 9014.
- saliva, levels, Streptococcus antigens, oral microflora 573.
- secretions, cervix, infection, Chlamydia trachomatis, man 3392.
- serum levels, vaccination, live Escherichia coli, pregnancy, pigs 4339.
- serum levels, vaccination, Streptococcus pneumoniae, Neisseria meningitidis, Haemophilus influenzae, man 10246.
- Vibrio cholerae, immune response, rats 592

Immunoglobulin E,
- antibodies, production, Pseudomonas aeruginosa toxoids, mice 1891
- Brucella, vaccination, immune response, man 10257
- Clostridium tetani, tetanus, characterization, man 4286.
- immune response, Pseudomonas aeruginosa toxoids, mice, characterization 7933.
- man, atopy, association, otitis media etiology 10331.

Immunoglobulin G,
- activation, complement, alternative pathway, cytotoxicity, Haemophilus influenzae 10195.
- activation, monocytes, immune response, Staphylococcus aureus 11591.
- antibodies, anaerobic bacteria, detection, blood donors, man 571.
- antibodies production, Treponema pallidum, neurosyphilis, serological tests, man 6084
- antibody response, association, Clostridium tetani vaccination immunity, man, reviews 4353.
- antibody response, peptidoglycans, Staphylococcus aureus, infection, man 3199

Immunoglobulin G, (continued)
antibody response, periodontal diseases, man 6917.
antibody response, Pseudomonas aeruginosa, detection, enzyme-linked immunosorbent assay, horses 4299.
antibody response, Streptococcus group A, antigens, characterization 11543.
antibody response, tears, Chlamydia psittaci, conjunctivitis, guinea-pigs 13048.
association, complement activation, antibacterial activity, Mycoplasma bovis infection, cattle 9012.
binding, Escherichia coli, opsonization, antibacterial activity, enzyme-linked immunosorbent assay 3156.
binding, Fc receptors, gram-positive bacteria 11559.
binding, Staphylococcus aureus, protein A, histidine, role 11555.
cell surface glycoproteins, antigen-antibody interactions, rabbits cold agglutinins Streptococcus group C 6113.
Chlamydia trachomatis antibodies, detection, use, enzyme-linked immunosorbent assay, salpingitis, man 7906.
detection, lymphogranuloma venerum, Chlamydia trachomatis, radioimmunoassay, man 10196.
effects on leukocytes phagocytosis Serratia marcescens, antigen O 10194.
enzyme-linked immunosorbent assay, detection, Neisseria meningitidis, polysaccharides 12993.
enzyme-linked immunosorbent assay, periodontitis, immune response (humoral), bacteria, man 10178.
exposure, oral microflora, mice, organ culture 580.
Fab, effects on Streptococcus group A Fc receptors, rabbits 4270.
Fc receptors, incidence, streptococcus group A 8937.
immune response, antigens, Treponema pallidum, experimental infection, rabbits 1874.
immune response, prostatitis, Escherichia coli 590.
immunization (passive), Mycoplasma pulmonis, experimental infection, mice 4332.
immunization (passive), Streptococcus pneumoniae polysaccharides antigens, mice 6931.
immunodeficiency, association, meningitis, children 1896.
immunodeficiency, association, salmonellosis, horses, juveniles 572.
interaction, Staphylococcus protein A, complement C1 activity, immunoglobulins preparation 11127
levels, brucellosis card test, use, dithiothreitol 7908.
levels, saliva, dental caries enzymatic activity, role, dental caries disease resistance, man 729.
man, antibodies production, association, rabbits vaccination, Streptococcus 9066.
man, levels, Yersinia enterocolitica, enzyme-linked immunosorbent assay, use, lipopolysaccharides 7911.
man, Serratia marcescens antigen O agglutination, association, antibacterial activity 8995
Mycoplasma agalactiae subsp.bovis, detection, enzyme-linked immunosorbent assay, cattle 1843
pepsin, antibiotics, treatment, septicemia, pneumonia, man 1016.
protein A binding, Staphylococcus aureus, encapsulation effects on 609.
reactivity, Streptococcus, rabbits, man 6038.
role, immune response, pneumonitis, Chlamydia trachomatis, nude mouse 6108.
seroepidemiology, Legionella pneumophila, indirect fluorescent antibody test, Norway, man 11607
serum levels, vaccination, Streptococcus pneumoniae, Neisseria meningitidis, Haemophilus influenzae, man 10246
tuberculin antibodies, detection, enzyme-linked immunosorbent assay, radioimmunoassay, man, tuberculosis 3154
Vibrio cholerae, antitoxins, enzyme-linked immunosorbent assay, experimental infection, man 1849
Vibrio cholerae, immune response, rats 592

Immunoglobulin M,
antibody response, Legionella pneumophila, man 5241
antibody response, Pseudomonas aeruginosa, detection, enzyme-linked immunosorbent assay, horses 4299
antibody response, Streptococcus group A, antigens, characterization 11543.
association, complement activation, antibacterial activity, Mycoplasma bovis infection, cattle 9012
detection, immunoassays, syphilis, man 10134.
EDTA, Brucella abortus, Fc receptors binding, agglutination 7909
effects on Clostridium tetani exotoxins, Ictalurus punctatus 3141.
enzyme-linked immunosorbent assay, detection, Neisseria meningitidis, polysaccharides 12993
man, levels, Yersinia enterocolitica, enzyme-linked immunosorbent assay, use, lipopolysaccharides 7911
melioidosis diagnosis, complement fixation, immunofluorescence, Pseudomonas pseudomallei, man 5243.
nose secretions, Staphylococcus aureus immunity, man, space flight effects on 8972.
serum levels, antibody response, Staphylococcus infection, man 3207
velationship, diagnosis, Q fever, man 4458

Immunoglobulins,
aggregates, effects on, platelets secretions, role, bacteria endotoxins 491.
antibodies, levels, serum, urine, urinary tract mixed infection, man 1899.
antibody response, Legionella pneumophila, man 5241.
binding, Neisseria meningitidis, growth, serum, man, effects on 4283.
dental plaque, characterization, man 730.
deposits, typhoid fever, complications, hepatitis, man 11617.
fractions, neutralization, Leptospira interrogans, experimental infection, antisera, guinea-pigs 568.
levels, breast milk, leprosy, man 13084.
levels, Escherichia coli, infection, cattle, intramammary device, effects on 4274.
levels, neurosyphilis, man 3197
levels, pneumonia, man 567
levels, specificity, cerebrospinal fluid, neurosyphilis, man 7945.
man, Yersinia enterocolitica, levels, enzyme-linked immunosorbent assay, use, lipopolysaccharides 7911.
opsonins, role, intracellular killing, bacteria, leukocytes (granulocytic) 562
preparation, Staphylococcus protein A, interaction, immunoglobulin G, complement C1 activity 11127
Pseudomonas aeruginosa, preparation, purification, antibacterial activity 8918
rabbits, immunization (passive), mice, Pseudomonas septicemia 11648
saliva, immune response, Klebsiella, urinary tract infection, association, ankylosing spondylitis, man 4289
serum levels, association, diarrhea, infants, man 8980
treatment, septicemia, neonates, man 1916

Immunological aspects,
Bacteroides fragilis, role, pathogenesis, appendicitis, man 7101.
breast milk, man, lactation time effects on 8959.
clinical microbiology, bacteria, man, conferences 13033.
dental plaque, sensitivity, rats 1099.
Neisseria meningitidis polysaccharides vaccines, clinical trials, man 6121.
nocardiosis, Nocardia asteroides, immunocompromised hosts, man 6196.
Proteus vulgaris, Pseudomonas cepacia, penicillinase, hydrolysis, cefuroxime, cefotaxime 1514.
Salmonella infection, epidemiology, infants, man 11958.
serum antibodies, Pseudomonas aeruginosa, cystic fibrosis, Staphylococcus aureus protein A absorption 4308.
skin infection, association, systemic lupus erythematosus, man, case reports 8998.
tuberculosis, Mycobacterium tuberculosis, immune response, man, animals, reviews 6110.
tumors, bacteria infection, incidence, man 6148.
vaccines, Coxiella burnetii experimental infection, Q fever 11643.
vaccines production, brucellosis, sheep, goats 11637.

Immunological enhancement,
mice macrophages antibacterial activity, Staphylococcus aureus, role interferon 13044.
peroxidase antibacterial activity, Streptococcus mutans, role, immunoglobulin A, mice 8982.
Staphylococcus aureus, Klebsiella pneumoniae, experimental infection, tumors, staphage lysage, mice 3188.

Immunological memory,
immunoglobulin A, Shigella flexneri antigens vaccination, rabbits 6906.
inhibition, Shigella sonnei, virulence, mice 13049.
Listeria monocytogenes, lymphocytes T, Rodentia 585.
lymphocytes T, Listeria monocytogenes, Rodentia 586.
Rodentia, Listeria monocytogenes infection, role, lymphocytes T memory cells 4311.

Immunological tolerance,
Mycobacterium leprae antigens, leprosy, role, macrophages, man 5222.
suppressor cells, induction gram-negative bacteria endotoxins, mice 11519.

Immunomodulation,
Chlamydia psittaci infection, mice 3226.
Corynebacterium parvum effects on arthritis, Mycoplasma pulmonis, mice 2192.
mice, Bacillus megaterium, relationship, culture conditions 549.
mice, Mycobacterium bovis effects on 11616.
transformation, lymphocytes, man, association, bacteria products, leukocytes lysates 10201.

Immunopathogenesis,
bacteria periodontitis, diploidy antigens role, man 11551.
Whipple's disease, bacteria infection macrophages, electron microscopy, man 6061.

Immunopathology,
glomerulonephritis, association, Streptococcus infection, man 5437.
leprosy, man, international cooperation 11668.
nerves damage, association, leprosy, man 6942.
postoperative infection, sutures materials effects on, animal models 1028
Yersinia enterocolitica, Yersinia pseudotuberculosis, infection, man 5210.

Immunoperoxidase test,
Chlamydia ovis detection, L-929 cells 5186.
labelling, Anaplasma marginale, association, Dermacentor andersoni 8901
porins, Escherichia coli, antigenic determinants, characterization 3183.
skin lesions, leprosy, Mycobacterium leprae, man 9018.
staining, Legionella pneumophila 9528.

Immunoprecipitation,
diagnosis, gonorrhea, urethritis, man 13249.
mushroom worker's lung, etiology, relationship, airborne microorganisms, composts, dust 1973.
Neisseria gonorrhoeae, proteins antigens, outer membranes 6889.
+radioactive labelling, cell surface proteins, Haemophilus influenzae, identification, antibodies 525.

Immunoprophylaxis,
Streptococcus group B sepsis, leukocytes (polymorphonuclear) administration, neonates, animal models 5248.

Immunoregulation,
peritoneal exudate cells, antitumor activity, treatment Corynebacterium parvum effects on, gnotobiotics (germfree), mice 9005.

Immunoregulatory factors,
Yersinia pestis, mice, hypersensitivity (delayed), resistance 5249.

Immunosorbents,
column chromatography, purification, Streptococcus mutans, antigens, proteins, lipoteichoic acid, competition 510.

Immunostimulants,
Streptococcus, spleen, colony-forming cells, effects on, mice 5218.

Immunostimulation,
aerosols, prophylaxis, tonsillitis, respiratory tract infection, man 4319.
BCG, immunity, Yersinia enterocolitica infection, mice 7959.
Corynebacterium parvum, macrophages activation, tumors, animal models 5207.
effects on Escherichia coli postoperative infection, animal models 2188.
immune response (humoral), salmonellosis, phenylalanine, deficiency, lactalbumin, diets, mice 3212.
lauroyltetrapeptide, muramyl dipeptide, immune response, Listeria monocytogenes, mice 10198
leukocytes (neutrophilic), Streptococcus pneumoniae, complement, C-reactive protein, role 11611.
levamisole, lymphocytes immune response, Brucella abortus, vaccination, cattle 6128.
lymphocytes B, Haemophilus influenzae polysaccharides, antigenic characteristics, structure, mice 6883
lymphocytes T, Mycoplasma arthritidis, mitogens 11573.
macrophages, coagulation, lipopolysaccharides, bacteria, membranes, role, endotoxin shock 4272.
macrophages, N-acetylmuramyl-L-alanyl-D-isoglutamine analogs, protection, Pseudomonas aeruginosa, mice 6251.
mice, disease resistance, association N-acetylmuramyl-L-alanyl-D-isoglutamine analogs, Candida albicans 6118
muramyl dipeptide, association, dental caries, Streptococcus mutans, prophylaxis, man 3231.
muramyl dipeptide, bacteremia, Klebsiella pneumoniae, mice, animal models 10520.
Mycobacterium lepraemurium experimental infection, DNA biosynthesis lymphocytes T, mice 6908
Mycoplasma, mitogenicity, lymphocytes, Thy-1 antigen capping 10238

Immunostimulation, (continued)
  tuftsin, phagocytosis, macrophages, bactericidal activity, mice 6070.
  ubiquinones, immunity (cell-mediated), Listeria monocytogenes experimental infection, mice 3583
  Vibrio cholerae enterotoxins, mice 5181.
Immunosuppression,
  antibodies induction, relationship, Clostridium tetani toxins vaccination, infants, man 1914.
  antigen O erythrocytes attachment, Salmonella antibodies hemagglutination, aminoglycoside antibiotics, polymyxin B 7921
  association, nocardiosis, lung, clinical aspects, treatment, man, case reports 1979.
  association, postoperative Legionnaire's disease, hospitals, man 9119.
  BCG, Listeria monocytogenes infection, mice 4300
  botulism, infants man, breast milk, cow's milk, comparison 8960.
  ceftazidime, toxicity, antibacterial activity, antibiotics treatment, pharmacokinetics, conferences 5549
  cytotoxicity, Corynebacterium diphtheriae toxins, monoclonal antibodies 6910
  Escherichia coli enteritis, association, septicemia, osteomyelitis, man, case reports 9289
  immunity, man, Staphylococcus aureus infection, animal models, opsonization fibronectin 10183
  infants man, Chlamydia trachomatis infection, association gastrointestinal tract diseases 7990
  iron dextran, intravenous administration, immunity, bacteria, neonates, man 13019.
  kidney transplantation, association, infection, bacteria, fungi, man 8034
  Listeria, Rauscher leukemia virus erythroleukemia induction, mixed infection, mice 13372
  lymphocytes T, suppressor cells, chemotherapy, Mycobacterium simiae, Mycobacterium bovis, experimental infection, mice 3214.
  monocytes cytotoxicity, Mycobacterium intracellulare infection, children, case reports 594
  Mycobacterium leprae, leprosy, man 581
  Mycobacterium mixed infection, guinea-pigs 6065
  Mycobacterium tuberculosis, Mycobacterium fortuitum, Mycobacterium haemophilum, Mycobacterium kansasii, Mycobacterium scrofulaceum, injection, incidence, man 582.
  Mycoplasma meleagridis, immune response (humoral), turkeys, characterization 6081.
  Mycoplasma pneumoniae infection, children 551
  penicillin derivatives+Erysipelothrix rhusiopathiae vaccines 623
  penicillin derivatives+Erysipelothrix rhusiopathiae vaccines, mice 623
  phagocytosis, chemotaxis, leukocytes (polymorphonuclear), Staphylococcus aureus, peptidoglycans, protein A, teichoic acid 6089
  pollutants, immunity, bacteria, assays, animal models 13026.
  role, infectious bursitis virus infection, spirochetosis, chickens 6377
  Staphylococcus aureus α-toxin, leukocyte migration, leukocytes (neutrophilic) 5232
  thymocytes, Vibrio cholerae enterotoxins, mice 5180
  Toxoplasma gondii, toxoplasmosis, role, vaccination, Chlamydia, louping-il! virus, sheep 5262
  vaccination, Erysipelothrix rhusiopathiae+antibiotics, mice 646
  Vibrio succinogenes asparaginase, lymphocytes depletion, characterization 7953
Immunosuppressive agents,
  granuloma formation inhibition, association, Mycobacterium tuberculosis infection, prophylaxis, mice 9009
  treatment, association, tuberculosis, man 9228
Immunosuppressive factors,
  serum, effects on lymphocytes response, mitogens, association, leprosy, man 9073
Immunosurveillance,
  natural killer cells, tuberculosis, man 8983
Immunotherapy,
  BCG, antibody response, cancer patients 4280
  breast carcinoma, man, Corynebacterium parvum vaccines 9036
  Corynebacterium parvum, cervix carcinoma, man 4284
  immune serum, opsonization, Streptococcus group B, infection, neonates, rats 4341
  pyridoxine+antibiotics, treatment, acne, clinical trials, man 3272
  Staphylococcus burn infection, man 11991
IMP,
  analogs, effects on carbamoyl-phosphate synthetase (glutamine-hydrolysing) activity, Escherichia coli 4066
  derivatives, inhibition, IMP dehydrogenase, Escherichia coli 4933
IMP dehydrogenase,
  inhibition, AMP, IMP derivatives, Escherichia coli 4933
Imperata cylindrica,
  nitrogen fixation, Eucalyptus tetrodonta forests, Australia 1184
Impetigo,
  treatment, ointments, fucidin, cicatrin, man 1936
Imported diseases,
  Africa, diagnosis, paratyphoid fever, man 6197.
  bacteria, gastrointestinal tract infection, monkeys 10694
  case reports, man, diagnosis, Legionnaire's disease 1982
  exanthematous typhus, Rickettsia conorii, transmission, Rhipicephalus senguineus, man, case reports 2204.
  Legionnaires' disease, man, case reports, imported diseases 5297
  outbreaks, Salmonella typhimurium, ser copenhagen, infection, Chalcophaps indica, Japan 3633
  Salmonella carriers, Macaca fascicularis, incidence 6378
  Salmonella, Shigella, infection, Switzerland, man 2250.
  Salmonella typhimurium salmonellosis, epidemiology, Psittacus erithacus 9366.
  salmonellosis, tuberculosis, screening, man 6252
  tuberculosis, man 4395
Inactivation,
  antibacterial activity, zinc bacitracin, bacteria, infection, rats 10052
  isoniazid, rifampicin treatment, tuberculosis, association, urinalysis, man 10477
  spectinomycin, Acinetobacter calcoaceticus, antibiotic resistance 4192.
Inactivators,
  pyrogenicity, Escherichia coli lipopolysaccharides, rabbits brain lipoproteins, column chromatography 489.
Inclusion bodies,
  Escherichia coli, association, insulin biosynthesis, genetic engineering 4983
  sulfur, Beggiatoa alba, characterization 4733
Inclusion conjunctivitis,
  Chlamydia trachomatis, diagnosis, treatment, clinical aspects, man 9188.
  neonates, etiology, diagnosis, congenital infection, Chlamydia trachomatis 910.
Inclusions,
  Chlamydia psittaci, methodology, staining methodology 7375.
  cytoplasm, Chlamydia trachomatis, formation, sampling swabs effects on 4663.
  sulfur, Beggiatoa alba, ultrastructure 4720.
Incompatibility,
  Escherichia coli Cit plasmid 1692.
  Inc plasmid, electrophoresis, salmonella 11332.
  plasmid pGD10, host range, Capnocytophaga ochraceus 11306.
  plasmid Y, segregation, Escherichia coli 12826.
  plasmids, F factors, genetic analysis, gene mapping 11305.
  replicons, R factors R1 9877.
Incorporation,
  DNA, Mycobacterium leprae , association, thymidine 2701.
Incubation,
  temperature, effects on Escherichia coli heat resistance, association, fatty acid composition 5989.
  temperature effects on lipid composition, association, growth, Arthrobacter 7630.
Index,
  community structure, bacteria, association, taxonomy 13499.
India,
  children, diarrhea, Escherichia coli, Shigella 2039.
  Citrus greening, bacteria like organisms 6395.
  Cocos nucifera, roots, bacteria, wilt, epidemiology 3674.
  dogs, gastrointestinal tract infection, Escherichia coli, Salmonella 13377.
  estuaries, surveys, enumeration, coliforms, heterotrophic bacteria 8217.
  fowl typhoid, Salmonella gallinarum, chickens 3628.
  geographical variations, susceptibility, endotoxins, Bacillus thuringiensis, Anopheles stephensi, Aedes aegypti, Aedes albopictus 12987.
  guinea-pigs, cattle, isolation, Salmonella, role, disease transmission 2352.
  guinea-pigs, Salmonella isolation 1324.
  immunity, tetanus, man 5223.
  man, abdomen tuberculosis, incidence, clinical aspects 10456.
  man, endocarditis, pathology, etiology, fungi, Staphylococcus 10466.
  man, leprosy, epidemiology, association, urban environments 11670.
  man, lung tuberculosis, respiratory tract diseases, Mycobacterium 784.
  man, periodontal diseases epidemiology 735.
  meningoencephalitis, Mycobacterium tuberculosis, juveniles, cattle, case reports 3620.
  mycobacteriosis, lung, clinical aspects, man 6172.
  nitrogen-fixing bacteria, phyllosphere, nitrogen fixation, surveys 6428.
  Pasteurella anatipestifer, infection, ducks 3619.
  ratoon stunt, Saccharum officinale, incidence 1140.
  Salmonella typhimurium, antibiotic resistance, clinical isolates, 7831.
  Salmonella typhimurium, clinical isolates, plasmids characterization, phage typing 9907
  Salmonella weltevreden, phage typing, epidemiology, geographical distribution 44.
  tuberculosis, incidence, cattle 3618.
  typhoid fever, clinical aspects, incidence, man 9138
  Xanthomonas malvacearum, biotypes, distribution, identification 7394.
India ink immunoreaction,
  detection, enterobacteria, man, Nigeria 3159.
Indian Ocean,
  vertical distribution, bacteria, saprophytes 12174.
Indican,
  urine excretion, gnotobiotics rats, Lactobacillus oral administration effects on 7227
Indicator organisms,
  coliforms, streptococcus, irrigation systems pollution, Brazil, association feces 7342
Indicator species,
  bacteria, growth, water+carbaryl effects on 7423.
  bacteria, microbial pollution, surface water, lakes 12178.
  bacteria, soil pollution, pigs animal wastes 4632.
  coliforms, aquaculture effluents, microbial pollution 12186.
  drinking water, use biochemical characteristics, Streptococcus faecalis, Streptococcus faecium 11002.
  Escherichia coli, microbial pollution, survival, sediments 12170.
  Escherichia coli, Streptococcus faecalis, Salmonella typhimurium, Staphylococcus aureus, carbaryl toxicity 5144.
  methanol oxidation methylotrophic bacteria, methane, soil, landfills 3696.
  microorganisms, incidence, recreation sites, lakes 9486.
  pathogens, most probable number, water quality 7369.
  Salmonella typhimurium, survival, manure, soil amendment, pasture 12142.
  soil microorganisms, organic compounds wastes effects on 3708.
  Vibrio parahaemolyticus, Vibrio alginolyticus, isolation, recreation sites, coastal waters 9492.
  water pollution, Escherichia coli, Streptococcus faecalis, growth, carbaryl, effects on 5981
Indicators,
  Malus hybrids, viruses, Mycoplasma 1137.
Indirect fluorescent antibody test,
  Corynebacterium vaginale antigenic properties 520.
  detection, Haemophilus influenzae penicillinase 1518.
  detection, Pseudomonas pseudomallei, antibodies, man 3167.
  diagnosis, bacteria infection, Anguilla 7270.
  diagnosis, Legionnaire's disease, man, Belgium 9103.
  diagnosis, respiratory tract infection, Chlamydia trachomatis, Chlamydia psittaci, Mycoplasma pneumoniae, man 10153.
  Haemophilus parahaemolyticus, serotyping, detection 47.
  identification, spheroplasts, Escherichia coli 1309.
  immunodiagnosis, Legionella pneumonia, man 10139.
  immunoglobulin G, seroepidemiology, Legionella pneumophila, Norway, man 11607.
  isolation, Legionella jordanis sp.nov., rivers, sludge 3779.
  Legionella pneumophila detection, lung, man 7914.
  legionnaire's disease diagnosis, man 13150.
Indirect hemagglutination,
  diagnosis, Streptococcus infection, man 11534.
  identification, Pasteurella, serotypes 3780.
  immunodiagnosis, Chlamydia infection, man 12992.
  methodology, Yersinia enterocolitica agglutinins 7918.
  Yersinia enterocolitica, antibodies detection 500
Indole,
  production, Haemophilus, clinical isolates, phenotypes identification 8314.

Indole test,
  Haemophilus characterization, respiratory tract isolates, man 3797
Indole-3-acetic acid,
  association, pathogenesis, crown gall 5497
  Rhizobium, production, association, Pongamia pinnata, roots, nodules 8174.
Indomethacin,
  effects on alveolar bone, association, periodontitis experimental infection, bacteria, animal models, man 13116.
  effects on inflammation, Escherichia coli, rabbits 10203.
  treatment, rheumatic fever, man 980.
Indonesia,
  Clostridium botulinum, soil, incidence 9452.
  epidemiology, scrub typhus, murine typhus 13338.
  man, leprosy, epidemiology, disease control 11669.
  man, Salmonella orianienburg clinical isolates, phage typing 6479.
Inducers,
  binding lactose repressor, N.M.R., Escherichia coli 4097.
Induction,
  citrate lyase, acetolactate synthase, acetoin dehydrogenase, acetoin, citrate, Leuconostoc lactis, lactic acid bacteria 2667.
  Legionella pneumophila, lymphocyte transformation, blood, man 556.
  phage, prophages, procarbazine, Escherichia coli 2897.
  RecA gene protein, Escherichia coli, association, platinum(II) compounds 9694.
  Streptomyces antibioticus, uptake, sugars, spores, germination 2627.
  sucrose, cell walls autolysis, production, protoplasts like cells, characterization, Clostridium saccharoperbutylacetonicum 138.
  tumors, Agrobacterium, assays, inhibition, virulence, Solanum tuberosum 1150.
Industrial effluents,
  carbon sources, biodegradation, Salmonella enteritidis, Pseudomonas aeruginosa, Escherichia coli 9628.
  coal, coke, effects on, sediments, microenvironments, microorganisms 13513.
  mines, waste water, acid production, pollution sources, Thiobacillus ferrooxidans 9642.
  paper mills, pollution effects, metabolism, heterotrophic bacteria, Finland rivers 12184
  power plants, effects on heterotrophic microorganisms, bacteria, aquatic environment 2486.
Industrial pollution,
  forests soil, effects on thiobacillus, inorganic compounds, sulfur oxidation 9465
Industrial sites,
  biodegradation, bacteria, characterization, case reports 6529.
Industrial wastes,
  clay, nitrogen cycle, ammonification, Agrostis tenuis, Festuca rubra, Trifolium repens 8176
  nitrogen cycle disturbance, soil chemistry 9441
  pollution effects, bacteria 2483.
  uranium, thorium, bioaccumulation, microorganisms 7402
Industries,
  sugar, wastes, Rhizobium, growth, survival 1165
Infants,
  botulism, association, breast feeding, case reports 5381.
  botulism, clinical aspects, antibiotics treatment, case reports 11523.
  botulism, clinical aspects, treatment 881
  botulism, epidemiology, relationship, sudden-infant-death syndrome, man 3469.
  Chlamydia, pneumonia, clinical aspects, man 4383
  Clostridium difficile, association, pseudomembranous colitis, pathology, case reports 2044
  detection, Escherichia coli, enterotoxins, antibodies, man, Ethiopia, Sweden, Costa Rica 3229
  diarrhea, Escherichia coli, hemagglutination, adherence, oral cavity cells, relationship, enterotoxins, man 3142.
  diarrhea man, Escherichia coli cell adhesion, erythrocytes 7027.
  Enterobacter sakazakii, meningoencephalitis, etiology, man 2279.
  gastroenteritis, incidence, ethnic groups, Australia 2026.
  Haemophilus influenzae infection, treatment, cefamandole 2217.
  Haemophilus influenzae, meningitis, treatment, pharmacokinetics, chloramphenicol, intravenous administration, oral administration, man 2133.
  man, arthritis, association, urinary tract infection, Enterobacter, diagnosis, treatment 7183.
  man, BCG infection, treatment, case reports 6289.
  man, bottle feeding sugars liquids induction dental caries 9085.
  man, botulism, assays, Clostridium botulinum, toxins 3414.
  man, botulism, breast milk, cow's milk, comparison 8960.
  man, botulism, Clostridium botulinum, case reports 7171.
  man, botulism, Clostridium botulinum, case reports, Canada 7026.
  man, botulism, Clostridium botulinum clinical isolates, toxins variants 3140.
  man, campylobacter enteritis, clinical aspects, epidemiology, treatment 3360.
  man, Campylobacter jejuni enteritis, case reports 10370.
  man, cefmetazole antibacterial activity, Klebsiella pneumoniae, Escherichia coli, Staphylococcus aureus 1710.
  man, Chlamydia trachomatis, antibody response, immune response (humoral) 8986.
  man, Chlamydia trachomatis infection, immunosuppression, association gastrointestinal tract diseases 7990.
  man, Chlamydia trachomatis pneumonia, diagnosis, clinical aspects, treatment 11716.
  man, Chlamydia trachomatis pneumonia, radiography 11711.
  man, Clostridium tetani toxins vaccination, relationship, antibodies induction immunosuppression 1914.
  man, dental caries, oral microflora, nursing bottles 13096.
  man, diagnosis, treatment, arthritis, osteomyelitis, bacteria 10460
  man, diarrhea, association, serum levels, lymphocytes, immunoglobulins 8980.
  man, diarrhea, bacteria infection 11758.
  man, diarrhea, Escherichia coli 820.
  man, diarrhea, Escherichia coli, association, biosynthesis enterotoxins 3361
  man, diarrhea, Escherichia coli, isolates, pili antigens, characterization 10145.
  man, endocarditis, meningitis, Staphylococcus aureus, cotrimoxazole treatment 10554.
  man, enterostomy, association, cholangitis, Escherichia coli, Pseudomonas aeruginosa, treatment, cotrimoxazole, case reports 7023
  man, escherichia coli, infection, sepsis, treatment, cefmetazole 996
  man, fecal microflora, bacteria, feeding effects on 7962
  man, fever, bacteria, diagnosis, clinical aspects, reviews 9246
  man, Haemophilus influenzae type b recurrent infection, treatment 3547.
  man, hearing loss, association, bacteria meningitis 7065.
  man, iatrogenic diseases, bacteria, characterization, reviews 7158
Infants, (continued)
  man, intestinal microflora, association, diarrhea, Gambia 2040.
  man, intestine infection, differential diagnosis, appendicitis, mathematical models 831.
  man, joint diseases, bone diseases, Staphylococcus aureus, antibiotic resistance, treatment, pristinamycin 999.
  man, lung tuberculosis, association, choroid lesions, case reports 9123.
  man, meningitis, complications, empyema, treatment, case reports 7057.
  man, meningitis, diagnosis, lumbar puncture, case reports 3408.
  man, meningitis, etiology, treatment, diagnosis 2115.
  man, meningitis, Salmonella typhi, Salmonella typhimurium, case reports 8022.
  man, myocarditis, bacteria, viruses 9235.
  man, nasopharynx Streptococcus pneumoniae, antibody response 3200.
  man, nosocomial infection, etiology, epidemiology 964.
  man, nosocomial infection, Staphylococcus aureus, methicillin+gentamicin, antibiotic resistance, disease control 10620.
  man, nosocomial infection, Streptococcus group B, transmission (horizontal) 7208.
  man, pericarditis, bacteria, diagnosis, clinical aspects 8065.
  man, pericarditis, Neisseria meningitidis, case reports 9288.
  man, pins ingestion, association, Streptococcus intermedius liver infection 10592.
  man, pneumonia, comparison, hyaline membrane disease, diagnosis, pathology 5296.
  man, pseudomembranous colitis, Clostridium difficile, case reports 7010.
  man, recurrent infection, bacteria, immune response, leukocytes (polymorphonuclear), monocytes, clinical aspects 6069.
  man, recurrent infection, meningitis, Streptococcus group B 10422.
  man, Salmonella infection, immunological aspects, epidemiology 11958.
  man, Staphylococcus group B recurrent infection, penicillin antibiotic resistance, case reports 10561.
  man, Streptococcus group B infection, role, antibodies maternal transfer 608.
  man, Streptococcus group B septicemia, association, hernia, diaphragm 966.
  man, Streptococcus pneumoniae diseases, epidemiology 7198.
  man, Streptococcus pneumoniae vaccination 639.
  man, Streptococcus pneumoniae vaccination, antibody response 641.
  man, Streptococcus pneumoniae vaccination, otitis media 648.
  man, synthetic artery infection, bacteria 11877.
  man, syphilis, congenital infection, incidence, Zambia 10434.
  man, treatment, cefmetazole, infection, respiratory tract, urinary tract, meningitis, septicemia 985.
  man, treatment hemolytic uremic syndrome, association Campylobacter colitis 6219.
  man, treatment, pertussis 6990.
  man, tuberculosis, association, skin lesions 11899.
  man, tuberculosis, lung, France 6980.
  man, urinary tract infection, diagnosis, use nitrite test 13199.
  meningitis, bacteria, etiology, reviews 2131.
  meningitis, Neisseria meningitis, clinical aspects, case reports 6739.
  Mycobacterium aviun-intracellulare, lung infection, clinical aspects, treatment, man, case reports 1993.
  nursing, man, diarrhea, Escherichia coli, treatment, amikacin 3367.
  pregnancy, association, Streptococcus group B incidence, man 10633.
  respiratory tract infection, association, lung ventilation, diagnosis, antibody response 780.
  side effects, vaccination, Bordetella pertussis+Clostridium tetani+Corynebacterium diphtheriae, man 3246.
  soft tissue infection, treatment, ampicillin, nafcillin, Haemophilus influenzae type b 2179.
  Staphylococcus aureus, toxic epidermal necrolysis 7963.
  Streptococcus group B, infection, twins, man 4459.
  Streptococcus group B urinary tract infection 856.
  syphilis, congenital infection, clinical aspects 908.
  Yersinia enterocolitica, sepsis, man, case reports 3504.
Infarction,
  bone, association, Staphylococcus endocarditis, man, case reports 10467.
  spinal cord, association, meningitis, case reports, children, Streptococcus pneumoniae 882.
Infection,
  clinical trials, treatment, cefotaxime, bacteria, 4532.
Infectious bursitis,
  effects on, Staphylococcus aureus susceptibility, chickens 1071.
Infectious bursitis virus,
  ± Alcaligenes faecalis, respiratory tract infection, pathology, turkeys 10720.
  infection, role, immunosuppression, spirochetosis, chickens 6377.
  infectious bursitis, effects on, Staphylococcus aureus susceptibility, chickens 1071.
Infectious diseases,
  association, leukocytes (granulocytic) activity, dogs 7932.
  bacteria, role, glucocorticosteroids, man 13274.
  blood donors, bacteria, vaccination 12012.
  China, People's Rep., epidemiology, prophylaxis 13288.
  diagnosis, counter immunoelectrophoresis, latex agglutination, man 8908.
  diagnosis, treatment, geriatrics, man 13353.
  diarrhea, man, reviews 7028.
  disease control, animals 7272.
  disease control, personnel, nosocomial environments, man 11926.
  effects on, immune response, fat metabolism, man, reviews 13032.
  interaction, nutritional status, Escherichia coli, Shigella, role, case surveys, children 7160.
  outbreaks, man, mathematical models 952.
  relationship, genetics, man 3428.
  treatment, man, books, conferences 13549.
Infectious mononucleosis,
  association, diphtheria, treatment, man, case reports 10350.
Infective endocarditis,
  diagnosis, treatment, prophylaxis, man, reviews 9239.
Infectivity,
  Anaplasma marginale, freeze-drying, characterization 5571.
  Anaplasma marginale, temperature effects on, relationship, Dermacentor andersoni 10697.
  Chlamydia trachomatis, membrane proteins, antibodies, neutralization, infectivity, HeLa cells 13036.
  Escherichia coli, Yersinia enterocolitica, cells, centrifugation effects on 6881.
  milky disease, Aphodius tasmaniae 1131.
  mycoplasma-like organisms, X-disease, transmission, Macrosteles fascifrons, Colladonus montanus 6388.
  Pasteurella pneumotropica, disease transmission, mice, rats 7254.

Infectivity, (continued)
Rickettsia prowazekii, isolates, purification, density gradients, centrifugation 2607.
Xanthomonas campestris pv.oryzae, Oryza sativa resistance cultivars 12092
Yersinia enterocolitica, interaction, HeLa cells, penetration 10143
Yersinia enterocolitica serotypes, association, virulence, antigenic characteristics, HeLa cells 4263
Infertility,
bacteria contamination prostate, semen, man 10388
dogs, role, genital microflora, Mycoplasma, Ureaplasma 2333
pregnancy, role, genital microflora, man 4430
relationship, incidence, bacteria, seminal fluid, man 872
relationship, urinary tract infection, cattle, housing, age, effects on 3578
spermatozoa agglutination, Brucella canis infection, autoimmunity, dogs 6916.
Infestation,
pest control, livestock, Boophilus microplus, Australia 4549
Inflammation,
arthritis, complications, Staphylococcus arthritis, man, case reports 3531.
arthritis, Streptobacillus moniliformis, experimental infection, mice 3222
association, accumulation, gallium citrate, leukocytes, Streptococcus faecalis, experimental infection, subcutaneous chambers, rabbits 2209
BCG, lung macrophages kinetics, mice 606
diabetes mellitus, hamsters, role, intestinal microflora, Proteus mirabilis 4539
Escherichia coli endotoxins, treatment immune serum, rabbits 6865.
eye diseases, Neisseria gonorrhoeae, man, case reports 7187.
hypersensitivity (delayed), Mycobacterium tuberculosis, mycolic acid+peptidoglycans, granuloma, lung, rabbits 4281
indomethacin, aspirin effects on, Escherichia coli, rabbits 10203
induction, Mycoplasma, incorporation hosts antigens 10239.
inhibition, corynebacterium parvum induction, association, ascites tumor cells, mice 8971
leukocytes (polymorphonuclear) induction, Escherichia coli endotoxins, rabbits 6867.
macrophages, immunity (cell-mediated), Listeria monocytogenes, genetic factors, mice 5231
macrophages, leukocytes (neutrophilic), morphology, Legionella pneumophila experimental infection, guinea-pigs 11604
pelvis, bacampicillin treatment, man 9248.
response, man, Diabetes mellitus, association, postoperative infection, pustule disease 7925
role, Staphylococcus protein A, mice 6102
skin, Neisseria gonorrhoeae extracts induction 8878
Inflammatory bowel disease,
role, Clostridium difficile toxins, man 2022
role, Clostridium difficile toxins, man 2023
treatment, surgery, bacteria concentration, surgery sites, relationship, postoperative infection, man 3462
Inflammatory bowel diseases,
complications, Clostridium difficile toxins diarrhea, man 11493
Inflammatory diseases,
genitourinary tract, association, gonorrhea, incidence, females, man 2160
genitourinary tract, Mycoplasma infection, incidence, antibiotic resistance, man 2055
man, dicloxacillin treatment 10486
Influenza A virus,
Haemophilus influenzae, nasal infection, experimental infection, synergism, neonates, rats 2346
hemagglutinin, antigenic determinants, Escherichia coli, gene expression 6720
infected, cells, adherence, Staphylococcus aureus 9584
infection, cell culture, adherence, Streptococcus group A 12395
mediation, Streptococcus group B, adherence, trachea cells, mice 12396.
respiratory tract infection, children, interuction streptococcus group A 11744
Influenza B virus,
infection, relationship, pseudomembranous colitis, man 13161
Influenza virus,
hemagglutinins, antigenic determinants, expression, Escherichia coli 1624
hemagglutinins gene expression, cloning, Escherichia coli, mammalian cells 9827
+Streptococcus pneumoniae, vaccination, side effects, man 614
Inga jinicuil,
nodulation, nitrogen fixation, nodules biomass, soil nutrients effects on 1212.
nodules biomass, nitrogen fixation 1211.
Inhalation,
gram-negative bacteria endotoxins, pathology, reviews 490
Inheritance,
Streptomyces glaucescens glaucescin biosynthesis 250
Inhibition,
Agrobacterium, induction, tumors, Solanum tuberosum 1150.
antisera antibacterial activity, Leptospira TM antigen 8944
coenzyme F_{430}, Methanobacterium thermoautrophicum, levulinic acid 1538
growth, Brochothrix thermosphacta, palmitic acid 9665
lysine excretion, growth, Micrococcus luteus, threonine, mechanisms 1464.
maltose, lactose, transport, Escherichia coli, procaine 1341
Methanobacterium thermoautrophicum, inhibition, levulinic acid 1538.
nitrite reductase (NAD(P)H), Escherichia coli 1550
protein biosynthesis, Bacillus subtilis, competence, DNA, degradation, binding, temperature effects 1437.
protein biosynthesis, Escherichia coli, rifampicin 1465
RNA polymerase, bacteriocins, Bacteroides fragilis 1469.
Staphylococcus aureus, myristic acid, linoleic acid, pH effects, relationship, plasmids 1757.
Inhibitors,
D-alanine aminotransferase, Bacillus sphaericus 8608
β-amylase, biosynthesis, isolation, structure-activity relationships 12595.
cytochromes, effects on Photobacterium fischeri luminescence 12493
dehydrogenation, cholic acid, Clostridium bifermentans, characterization 9616.
deoxyribonuclease, Bacillus subtilis mutants, production, association, sporulation 12306.
enzymatic activity, urease, glutamine synthetase, glutamate dehydrogenase, Selenomonas ruminantium 370.
growth, Hydrodictyon reticulatum, Aphanothece nidulans, Chlorella vulgaris, antibacterial activity, bacteria 10045.
β-lactamase, association, antibiotic resistance, bacteria, medical importance 12929.
pencillinase, +ampicillin, treatment, endocarditis, Staphylococcus aureus, experimental infection, rabbits 4577.
penicillinase activity, characterization 7577.

Inhibitors, (continued)
penicillinase, antibiotic resistance, infection, treatment, man, bacteria 7137.
penicillinase, effects on Bacteroides, cefoperazone antibiotic resistance, penicillinase production 9994.
production, Staphylococcus, association, Neisseria gonorrhoeae growth 9707.
proteinase, effects on proteolysis, rumen microorganisms 12659.
rumen microorganisms methanogenesis 13362.
Staphylococcus xylosus, micrococcus, lytic enzymes, characterization 9810
Streptococcus pyogenes glycoprotein biosynthesis 9704.
subtilisin, Streptomyces, conformational analysis, N.M.R. 3919.
Initiation,
DNA biosynthesis, Bacillus subtilis, relationship, cell walls biosynthesis, synchronous culture 2594.
plasmid ColE1, plasmid CloDF13, factor RSF1030 DNA biosynthesis, ribonuclease H role, cell-free system, Escherichia coli 4141.
F plasmid, replication, regulation, relationship, ColE1 plasmid 1682.
transcription, RNA polymerase, phage T7, Escherichia coli 272.
Initiation complex,
formation, phage f2 mRNA secondary structure effects on Escherichia coli 9858.
Initiation factor 1,
purification, characterization C.D., N.M.R., Escherichia coli 2739.
Initiation factor 2,
binding, 30 S RNA, fluorescence, Escherichia coli 7504.
genes, cloning, gene mapping, Escherichia coli 12749.
purification, characterization C.D., N.M.R., Escherichia coli 2739.
Initiation factor 3,
cross-linking ribosomes, characterization binding sites, effects on conformation, U.V. spectroscopy, Escherichia coli 12532.
Escherichia coli, inhibition ribosomal subunits association, kinetics 6589.
Escherichia coli, structure-activity relationships, lysine, residues 9676.
genes, DNA nucleotide sequence, Escherichia coli 5707.
interaction rRNA 30S, fluorescence, Escherichia coli 1445.
purification, characterization C.D., N.M.R., Escherichia coli 2739.
Initiation factors,
aminoacyl-tRNA synthetase complex, dissociation, elongation factors, Escherichia coli, Staphylococcus utilis 2713.
Injection,
effects on toxicity, diphtheria toxins, association, proteins, animals, Corynebacterium diphtheriae, cytotoxicity, cell lines 10088.
Injections,
DNA, role bacteria lipopolysaccharides induction DNA antibodies 7944.
Injecto fructus aurantii immaturus,
treatment, bacteria, sepsis, side effects, man 4474.
Injuries,
lung, Escherichia coli endotoxins induction, treatment, methylprednisolone, sheep 1837.
spinal cord, association, urinary tract infection, Enterobacteriaceae, man 2081.
syringes, personnel, nosocomial environments, man 11927.
Inner membranes,
Escherichia coli, phage λ S gene proteins effects on 12303.
outer membranes binding sites isolation, Salmonella anatum 6488.
Inoculation route,
Haemophilus influenzae, effects on infection kinetics, animal models 965.
Inoculum potential,
Rhizobium, soil moisture, soil temperature, effects on, Vigna unguiculata 7333.
Inorganic compounds,
lysozyme, effects on morphology, Streptococcus mutans 12325.
sulfur oxidation, forests soil, association Thiobacillus 9460.
sulfur oxidation, forests soil, industrial pollution effects on 9465.
tin, antimicrobial activity, Pseudomonas aeruginosa, estuaries isolates 8833.
Inorganic pyrophosphatase,
purification, characterization, Streptococcus salivarius 9753.
Streptococcus faecalis, , batch culture 2754.
Insecta,
bacteria, pathogenicity, books 9497
bacteria toxins, pathology 8883
biological control, bacteria use 12087.
disease resistance, pathogens, microorganisms 9379.
larvae, Bacillus thuringiensis, infection, specificity, role, spore crystals, biological control 3653.
membranes, pathogenesis, endotoxins, Bacillus thuringiensis 8885.
mutagenesis, endotoxins, Bacillus thuringiensis 8884.
pathogens, Spiroplasma, characterization 3600.
tissues, enzyme-linked immunosorbent assay, Spiroplasma citri, detection 8899.
toxicity, endotoxins, Bacillus thuringiensis 8872.
vectors, disease transmission, Xanthomonas manihotis, Manihot esculenta 6397.
vectors, salmonellosis, man, urban environment 9229.
Insecticides,
avermectins, Streptomyces 6006
dieldrin, metabolism, microorganisms, cuticle, Calliphora erythrocephala 8135.
organochlorine, antimicrobial activity, reviews 5980
Insectivora,
Listeria carriers, serotyping, Bulgaria, People's Rep. 7385.
Insertion,
cell membranes proteins, models, association, translation 8536.
DNA, phage HP1, R factor, Haemophilus influenzae, lysogency 2898.
phage λ, plasmid pPJ3b, transposon Tn2301, inversion, replication, Escherichia coli 2943.
phage Mu DNA, plasmid pBR322 11338.
specificity, DNA nucleotide sequence, transposon Tn10, bacteria 4110.
Insertion sequence 1,
Escherichia coli, deletion, recA gene, genetic analysis 1434.
Escherichia coli, transposon 9, polarity, rrnX operon, transcription 2722.
R factor R100, deletion mutant, DNA nucleotide sequence 11255.
Insertion sequence 2,
effects on transcription galactose operon, Escherichia coli 9821.
Escherichia coli, deletion, recA gene, genetic analysis 1434.
Insertion sequence 5,
DNA, gene expression, transcription, Escherichia coli 9841.
Escherichia coli DNA, nucleotide sequence 11063.
Insertion sequences,
characterization, Ti plasmid, genetic analysis crown gall, Agrobacterium tumefaciens 6769.
Escherichia coli, DNA, nucleotide sequence, transposon Tn4 7707.
IncP-1 plasmid, Pseudomonas aeruginosa, gram-negative bacteria, transfer, frequency, genetic analysis 2927.

Insertion sequences, (continued)
  insertion sequence 1, Rhizobium lupini, mutants, R factor RP4 9875
  insertion sequence 5, DNA nucleotide sequence, phage Mu 4796
  Pseudomonas aeruginosa chromosomes, restriction endonuclease mapping 12520
  transposons, phages, structure, transposition, bacteria 12817
Instars,
  effects on Bacillus thuringiensis var israelensis, Bacillus sphaericus, biological control, Aedes stimulans 3655
Institutions,
  bacteria, infection, epidemiology, man, nosocomial environments 2227
  children, Campylobacter jejuni enteritis outbreaks, relationship, milk contamination 4417
  children, p-formaldehyde disinfection 410
  children, pneumonia, treatment, penicillin G, clindamycin, carbenicillin 5304
  education, occupational exposure, psittacosis, Chlamydia psittaci, treatment, clinical aspects, man 767
  Escherichia coli, antibiotic resistance, incidence, military personnel, man, Switzerland, surveys 3072
  geriatrics, lung tuberculosis, outbreaks 754
  geriatrics, Streptococcus pneumoniae vaccination 644
  geriatrics, Streptococcus pneumoniae vaccines, vaccination, antibody response 643
  geriatrics, tuberculosis, nosocomial infection, incidence, man, USA, Arkansas 10478
  Haemophilus influenzae type b, infection, disease transmission, children 4524
  incidence, bacteria infection, man, USA, New York, surveys 1011
  Legionella pneumophila, pneumonia, water isolates, water supplies, Australia 3322
  man, Campylobacter fetus subsp jejuni infection, outbreaks, antibody response, serotypes, epidemiology 3352
  man, gastroenteritis, Shigella, etiology, epidemiology 807
Instruments,
  removal, dental plaque, man 6952
Insulin,
  additives, phenol + glycerol + zinc, antibacterial activity, Staphylococcus epidermidis, Staphylococcus aureus, Escherichia coli 4203
  biosynthesis, Escherichia coli, association, inclusion bodies, genetic engineering 4983
  cleavage, thermophilic bacteria, Streptomyces alkaline proteinase 195
  Escherichia coli polypeptides, immunogenetics 8905
  like compounds, isolation, Escherichia coli 4846
  precursors, Escherichia coli, biosynthesis 9719
  resistance, skeletal muscle, dogs, Escherichia coli endotoxin shock 5174
  resistance, skeletal muscle, dogs, Escherichia coli endotoxin shock 5179
Intake,
  liquids, association, treatment, diarrhea, cattle, juveniles 10646
Integration,
  DNA, phage β, phage α, characterization, gene mapping, Corynebacterium 1642
  DNA, recombination, sites, phage λ, Escherichia coli 273
  Escherichia coli R factors, conjugation 7704
  IncJ plasmid, plasmid R391, replication, conjugation, Escherichia coli 5894
  phage λ, proteins, purification, characterization, role recombination, Escherichia coli 4840
  plasmid SCP1, Streptomyces coelicolor, inactivation, dag gene, agarase biosynthesis, gene mapping 2851
  thyP3 gene, thymidylate synthase, phage Φ3T, Bacillus subtilis transformation, gene mapping 1643
Intensive care units,
  association, bacteria bronchopulmonary infection, cefotaxime + ticarcillin treatment, man 13117
  disease control, bactericidal activity, floor mats, clinical trials 13272
  Enterobacteriaceae infection, cefotaxime treatment, man 6281
  isolation gram-negative bacteria, role nosocomial infection, man 10480
  isolation Staphylococcus aureus, role nosocomial infection, man 10481
  neonates, man, nosocomial infection, risk factors, factors affecting 3542
  nosocomial infection incidence, surveys, man 8044
  nosocomial infection, patients, interaction, risk factors, man 11925
  nosocomial infection, septicemia, epidemiology, neonates, man 972
  nosocomial infection, septicemia, Staphylococcus epidermidis, antibiotic resistance, man 4465
  risks, nosocomial infection, man, hospitals 10532
  saline solution, Serratia marcescens, bacteremia, man, hospitals 3474
  Staphylococcus aureus, pneumonia, incidence, ventilation, man 3331
  ventilators, contamination, sterilization, bacteria 979
Interference,
  growth, Rhizobium, culture 3865
Interferon,
  biosynthesis, Chlamydia trachomatis infection effects on, man, in vitro 601
  biosynthesis induction, Corynebacterium catarrhalis infection, mice 11631
  effects on macrophages phagocytosis, Escherichia coli 3219
  immunological enhancement, mice macrophages antibacterial activity, Staphylococcus aureus 13044
  production, Chlamydia trachomatis, induction, lymphocytes 10206
  production, Mycobacterium bovis infection effects on, mice 6892
α-Interferon,
  genes, cloning, phage M13, gene expression, Escherichia coli 12745
  receptors, binding, γ interferon, competition, Vibrio cholerae toxins 8886
α1-Interferon,
  genes, synthesis, gene expression, Escherichia coli, Methylophilus methylotrophus 11265
β-Interferon,
  effects on, Escherichia coli biodegradation, lysosomal enzymes activity, mice macrophages 11566
  genes, isolation, fibroblasts, man, characterization, Escherichia coli gene expression 8678
  receptors, binding, γ interferon, competition, Vibrio cholerae toxins 8886
γ-Interferon,
  competition, Vibrio cholerae toxins, binding, receptors, α interferon, β interferon 8886
  production, lymphocytes T, macrophages presentation Salmonella enteritidis antigens, mice 8981
International cooperation,
  control programs, rheumatic fever, rheumatic heart disease, man 2269
  man, leprosy, immunopathology, epidemiology 11668
International organizations,
  role, disease control, plant diseases 9396
Interspecific relationships,
  adherence, growth, light, Flavobacterium, Skeletonema costatum 1376
  metamorphosis, settling behavior, substrate specificity, bacteria, Janua brasiliensis 2499
  symbiosis, Cryptomonas, Caulobacter 8157
Intertidal environment,
  bacteria, ecological distribution, biomass 10817
  biodegradation, detritus, carbon cycle, bacteria, Ecklonia maxima 12156
  deposit feeding effects on productivity, bacteria, Amphibola crenata, New Zealand coastal environment 8189
  salt marshes, cellulase activity, bacteria, indicators, environmental stress, USA, South Carolina 12166
  sediments, estuaries, Germany, Fed. Rep., bacterioplankton distribution 1247
Intertrigo,
  dysbacteriosis, scanning electron microscopy, man 3289
Intestinal absorption,
  Clostridium perfringens enterotoxins, rats 5167
  horses, endotoxins, endotoxemia, effects on 1824
Intestinal flora,
  pathogens, antibiotic sensitivity testing, in vitro 2998
Intestinal microflora,
  ampicillin + sulbactam, antibiotic prophylaxis, effects on, aerobic bacteria, comparison, anaerobic bacteria, man 11654
  animal models, gnotobiotics (germfree), mice 4538
  antibacterial activity, sulfasalazine, man 10278
  antibodies effects on poultry 12038
  association, Crohn's disease, ulcerative colitis, man 6936
  association, diarrhea, infants, man, Gambia 2040
  bacteria, helminths, feeds, cellulose levels effects on, mice 1048
  bacteria, mice 2329
  bacteria, rats 4541
  bacteria, relationship, induction, 1,2 dimethylhydrazine carcinogenesis, rats 5448
  bacteria, role, steroids hypertension, animal models 9072
  Bacteroides, identification, Pisces 6476
  bile acids conversion, in vitro, neomycin effects on 6522
  caffeine biodegradation, rats 13068
  Carassius carassius, Pseudomonas, hibernation, aquaculture 9329
  cattle, juveniles, colostrum diets effects on 1054
  cattle, juveniles, sucrose diets effects on 1045
  cefotaxime, antibacterial activity, children 6139
  Cercopithecus aethiops, maintenance, role, pancreas 1046
  characterization, association, Crohn's disease, man, use, gnotobiotics (germfree) rats 6938
  characterization, rabbits 6325
  chickens, rate, glucose uptake 1044
  competition, Streptococcus bovis, Megasphaera elsdenii, Cattle 7222
  conversion, cholic acid, chenodeoxycholic acid 6531
  defense mechanisms, bacteria infection, gnotobiotics, animal models 8122
  dietary intake effects on, composition, metabolism, man, reviews 13065
  digoxin inactivation, man 9653
  effects on Escherichia coli colonization, gastrointestinal tract, chickens 1053
  effects on, Salmonella, Escherichia coli, colonization, gastrointestinal tract, chickens 1052
  Enterobacteriaceae, children, interaction ECHOvirus infection 13066
  Escherichia coli, colon, gas production, endoscopy, man, mannitol, effects on 3263
  Escherichia coli, colonization, gnotobiotics (germ free), mice 3560
  Escherichia coli, diarrhea, redox potential, neonates, cattle 3614
  Escherichia coli, rabbits feeds effects on 1047
  Escherichia coli, Salmonella, antibiotic resistance, neomycin + oxyterracin + streptomycin + chloramphenicol, animals 3074
  expression, hepatitis B surface antigen, seroepidemiology, man 11658
  fermentation, host-pathogen interactions, comparison rumen man 6142
  Fusarium T 2 toxin, F 2 toxin, DAS toxin effects on, rats, pigs 12035
  gastrointestinal tract surgery, obesity treatment, effects on, man 666
  gram negative bacteria, Cathartes aura 9316
  growth, pressure effects, Amphipoda, Holothuroidea 1128
  isolates, fermentation, lactulose, characterization 9613
  lactic acid bacteria, species composition, chickens 13359
  Lactobacillus acidophilus food additives effects on, chickens 2327
  Lactobacillus, gnotobiotics, neonates, establishment, maternal transfer, diets, fatty acid composition, effects on 1123
  man, anaerobic bacteria, gas production 12735
  man, Bifidobacterium longum, Bifidobacterium adolescentis, space flight effects on 1921
  man, Crohn's disease treatment, metronidazole, sulfasalazine, effects on 671
  man, ecology, Lactobacillus fermentum, Streptococcus, Escherichia coli 1922
  man, gut, population dynamics, reviews 3264
  man, paromomycin effects on 670
  metabolism, benzidine dyes, role etiology urinary bladder, carcinoma, man 13064
  metabolism, phytic acid, gnotobiotics, rats 9328
  mice, effects on metabolism, amino acids, proteins 13414
  mice, penicillin, clindamycin, metronidazole, effects on 5450
  mice, role, proteins stabilization, intestine 6329
  neonates, man, association, Escherichia coli antigen K1, milk, serum 6053
  nitrification, acetohydroxamate, hydroxylamine, characterization 7468
  penicillin, metronidazole, doxycycline, effects on, man 675
  pigs, Bacillus subtilis food additives effects on 12041
  Proteus mirabilis, role, inflammation, diabetes mellitis, hamsters 4539
  rabbits, ampicillin, gentamicin treatment effects on 9322
  Rana pipiens, bacteria, fasting, cold, effects on 8084
  rats, aging, effects on lipid metabilism 6382
  rats, nitrate biosynthesis 5447
  rats, respiration gases, role, pentane production 13364
  rats, role, warfarin elimination 5449
  rectum, Enterobacteriaceae, cotrimoxazole, prophylaxis, neutropenia, man 1923
  role carrageenan induction carcinoma, gnotobiotics, rats 10723
  role gastroenteritis, man 13171
  role nutrition, gnotobiotics, laboratory animals 9376
  role nutrition, man 11657
  role 2,4',5 trichlorobiphenyl metabolism, mice 9323
  Salmonella, Yersinia enterocolitica, Felis rufus 5478
  sennosides metabolism, rats, mice 7224

Intestinal microflora, (continued)
Streptococcus, Enterobacter agglomerans, distribution, abundance, Schistocerca gregaria 3652
Streptococcus faecium, effects on growth, chickens, juveniles 2330
suppression, Clostridium difficile, cecitis, antibiotic therapy, hamsters 3603.
Tilapia mossambica, bacteria 12031.
tinidazole prophylaxis, postoperative infection, anaerobic bacteria, man 10286
Intestinal parasites,
man, homosexuality, isolation, Spirochaeta 11756
Intestinal pseudo-obstruction,
association, Clostridium butyricum, man 13176.
Intestinal tract,
Haemophilus, incidence, association, sprue, man 4354
tuberculosis, diagnosis, man 7982
tuberculosis, diagnosis, treatment, clinical aspects, man 4408
Intestine,
absorption, endotoxins, renal insufficiency, association, jaundice, effects on, man 3149.
Aeromonas hydrophila enterotoxins effects on, rats, rabbits, animal models 11497
bacteria proliferation, neonates, man, colostrum feeding regimens effects on 11655.
dysbacteriosis, association, malabsorption, treatment, pathology, dogs, case reports 12072
endotoxins, absorption, role, salts, man 3150
endotoxins, Escherichia coli, absorption, juveniles, pigs, characterization 6020.
epithelium, colon microflora effects on, physiology, man 11659
epithelium, electrolyte balance, rabbits, Vibrio cholerae toxins effects on 12978
epithelium, rabbits, cyclic AMP levels, stimulation Aeromonas hydrophila enterotoxins 8882
epithelium shedding, chlorpromazine induction, association, Escherichia coli enterotoxins diarrhea, rats 11517
Escherichia coli, Klebsiella pneumoniae, colonization, Passeriformes, Psittaciformes 2360
glycoproteins, biodegradation, shigella flexneri, characterization, mice 5677
gnotobiotics (germfree), Bacillus subtilis, Clostridium difficile, Latrobacillus, effects on 1122
isolates, Escherichia coli, plasmids characterization, ampicillin effects on 12842.
isolation, Campylobacter fetus subsp coli, enteritis, pigs, characterization 6375
juveniles, cattle, Escherichia coli, Salmonella typhimurium, H2 plasmid transfer 9897.
Lactobacillus fermentum, Streptococcus, Escherichia coli, ecology, man 1922.
mice, proteins stabilization, role, intestinal microflora 6329
mice, secretion, induction, Escherichia coli enterotoxins, inhibition, lanthanum 5173
microflora, effects on, alkaline phosphatase, proteins, levels, gnotobiotics (germfree), mice 10636
mucosa, in vitro, interaction, vibrio cholerae, role, chemotaxis 81
mucosa, mice, interaction, Vibrio cholerae, role chemotaxis 75
mucosa, rabbits, interaction, Vibrio cholerae, role, chemotaxis 76
mucosa, rabbits, interaction, vibrio cholerae, role, chemotaxis 82.
mucosa, Salmonella typhimurium penetration, association, antibiotics treatment, animal models 10379
pathology, Yersinia enterocolitica septicemia, man, case reports 5395
penetration, tuberculosis, muscles abscesses, man, case reports 2274
perforation, association, Shigella sonnei septicemia, bone marrow aplasia, man, case reports 8040
propranolol, effects on, secretion, Escherichia coli, enterotoxins, pigs 11525
rats, cyclic AMP accumulation, induction, Vibrio cholerae toxins, loperamide effects on 5178
rats, secretory immunoglobulin A effects on interaction Salmonella typhimurium 11564.
sarcoma, bacteria infection presentation, immune response, man, case reports 827.
secretion, Escherichia coli, enterotoxins, induction, inhibition, nicotinic acid, pigs 1838.
secretions, Vibrio cholerae, toxins, pathogenesis, nerves, role 487
spirochetes, staining, diagnosis 5600.
Streptococcus equinus, role, amoscanate transformation, mutagens, gnotobiotics, mice 12080
surgery, risks, urinary tract infection, dogs 5463
tuberculosis, diagnosis, man 11759.
tuberculosis, Mycobacterium tuberculosis, diagnosis, colonoscopy, biopsy, case reports, man 7015.
tuberculosis, pathology, man 10378.
walls, colonization, Escherichia coli, electron microscopy, feeding regimes, colostrum, juveniles, cattle 4542.
Intestine infection,
differential diagnosis, appendicitis, mathematical models, infants, man 831.
Intoxication,
sodium chlorate, diseases, cattle, france 4575
Intra-abdominal infection,
bacteria, diagnosis, treatment, association, survival, man 12018.
Staphylococcus epidermidis, abscesses, gallium scanning, diagnosis, treatment, man 11988
Intracellular killing,
anaerobic bacteria, association, anaerobic conditions, aerobic conditions 2672.
leukocytes (polymorphonuclear), Streptococcus pneumoniae, opsonization, serum proteins 3215.
leukocytes (polymorphonuclear), Streptococcus pneumoniae, role, serum factors, electron microscopy 3224.
Neisseria gonorrhoeae, chemiluminescence, leukocytes (neutrophilic) 6909.
phagocytosis, leukemia, association, leukocytes (granulocytic), Staphylococcus aureus, Escherichia coli, man 9006.
Intracytoplasmic membranes,
enzymes, sorbitol oxidation, role growth, Gluconobacter oxydans 6497.
Intramammary device,
effects on, leukocytes, immunoglobulins, levels, Escherichia coli, infection, cattle 4274.
Intraspecific interactions,
setaria anceps, effect on nitrogen fixation, growth 10771.
Intrauterine devices,
association, Actinomyces, amoebae, man, case reports 2070.
association, Actinomyces israelii, infection, cervix, man, case reports 2058.
association, Actinomyces like bacteria, man, case reports 2083.

Intrauterine devices, (continued)
association, actinomycosis, Actinomyces israelii, man, case reports 7050.
association, actinomycosis, clinical aspects, case reports, man 6224.
association, bacteria, salpingitis, uterus, man, case reports 2096.
association, cervix, Actinomyces israelii, isolation, incidence, pathology, man 7054.
association, genital tract infection, man, reviews 2057.
association, pelvic inflammatory disease, Actinomyces israelii, abscesses, genital tract, man 2052.
bacteria, isolation, association, pelvic inflammatory disease, man 10395.
copper, effects on Neisseria gonorrhoeae, man 1777.
effects on, cervical microflora, man 6937
man, genital microflora, Betadine vaginal cleansing kit effects on 5265.
opportunistic infection, cervix, actinomycetes, Protozoa, detection, Gram stain, man 3385.
relationship vagina infection, Actinomyces israelii, Actinomyces naeslundii, Arachnia propionica, man 13187.
Staphylococcus aureus infection, man, toxic shock syndrome 12989.
Intravascular coagulation,
mice, Staphylococcus aureus extracts 6016.
Intravenous administration,
Brucella abortus challenge, bacteria infection, mice 12073.
catheters, association, meningitis, Staphylococcus aureus nosocomial infection, man, case reports 4438.
chloramphenicol, pharmacokinetics, treatment, Haemophilus influenzae, meningitis, infants, man 2133.
fluids, +albumin, growth, bacteria 4751.
iron dextran, immunosuppression, immunity bacteria, neonates, man 13019.
Introns,
rRNA gene, Physarum polycephalum, nucleotide sequence, homology, Escherichia coli 160
Intubation,
duodenum, relationship, typhoid fever, man, case surveys 7984.
Invaginations,
cell membranes, transport pathway, toxins, tetanus, cholera 6018.
Invasiveness,
Shigella flexneri, genetic control, plasmids 9830.
Inversion,
transposon Tn2301, plasmid pPJ3b, Escherichia coli, replication, insertion, phage λ 2943.
Invert sugars,
cariogenicity, animal models 705.
Invertebrata,
bacteria, pathogens, reviews 9378.
Iodine,
antibacterial activity, Streptococcus mutans, pH effects on 7843.
+polyvinylpyrrolidone, bactericidal activity, Mycobacterium bovis 10029.
sanitizers, antibacterial activity, Salmonella typhimurium, Streptococcus faecalis, eggs, washing, factors affecting 3079.
+sodium fluoride, antibacterial activity, dental caries, rats, Streptococcus mutans, in vitro 4550.
topical application, effects on dental caries, oral microflora, rats 1962.
wound infection, bactericidal activity, toxicity, man 10524.
^{125}I-β-Iodo-D-alanine,
synthesis, antibacterial activity, Escherichia coli 1766.
Iodoacetamide,
alkylation ribonuclease, effects on activity, Stretomyces erythreus 3949.
Iodoacetate,
alkylation ribonuclease, effects on activity, Stretomyces erythreus 3949.
Iodometry,
detection methodology, penicillinase, bacteria 4864.
6-Iodopenicillanic acid,
inhibition, Enterobacteriaceae penicillinase 1713.
6β-Iodopenicillanic acid,
inhibition, penicillinase, effects on, β-lactam antibiotics, antibacterial activity 3046
2(p-Iodophenyl)-3-(p-nitrophenyl)-5-pheryl tetrazolium chloride,
+malachite green, staining, filamentous microorganisms, observation methods, activated sludge 5568
Iodopyron,
treatment, postoperative infection, heart, man 11865.
Ionic strength,
effects on antibiotic resistance, polymyxin, Salmonella, pmrA gene mutants 399.
effects on light induction protons binding purple membranes, Halobacterium halobium 3881
Ionization,
effects on, airborne microorganisms, distribution, chambers 2500.
N^{1}-phenylsulfanilamide, conformational analysis, antibacterial activity 434.
Ionizing radiation,
mutagenesis, R factors potentiation, Salmonella typhimurium, Ames test 4118.
Ionophores,
effects on, Bacillus subtilis, autolysis, cell membranes 93.
effects on Mycoplasma gallisepticum adherence erythrocytes 10962.
Ions,
calcium, methylation, role, phototaxis, Halobacterium halobium 10949.
copper, tolerance, Thiobacillus ferrooxidans mutants 6853.
hemolymph, Bacillus thuringiensis effects on, pathogenicity, Achoea janata, Spodoptera litura 9384.
iron, oxidation, Thiobacillus ferrooxidans, mathematical models 12435.
magnesium, manganese, binding, elongation factor Tu proteins, Bacillus stearothermophilus 4829.
Peptostreptococcus anaerobius, effects on antibacterial activity, hydrogen peroxide 6843.
pumps, currents, bacteria, reviews 12286.
pumps, membranes, transport, reviews, books 13533.
sodium, effects on, succinate dehydrogenase, electron transport, bacteria isolates, marine environments 2677.
thallium, interaction, gramicidin A, association, 2,2,2-trifluroethanol, N.M.R. 11351.
thallium, interaction, gramicidin, N.M.R. 11350
thermodynamics, Halobacterium halobium, Halobacterium salinarium, Halobacterium volcanii, growth, morphology 2604.
transport, Streptococcus, reviews 9596.
Iosoniazid,
treatment, tuberculosis, man, Denmark 12010.

Ipomoea batatas,
phytoalexins biosynthesis, pathogens infection effects on 8143.
Iprindole,
effects on macrophages, phagocytosis, bactericidal activity, Staphylococcus aureus, rats 6107.
Ips avolsus,
Enterobacter agglomerans, nitrogen-fixing bacteria, isolation, symbiosis 1134.
Iran,
cats, Chlamydia psittaci, infection, isolation 4589.
Irgasin,
drug resistance, Escherichia coli, mechanisms 11472.
Iron,
acquisition, Proteus vulgaris, temperature effects 1386.
assimilation, Agrobacterium tumefaciens, crown gall, relationship, virulence, plasmids, Helianthus 2413.
Bacillus cereus, uptake, relationship, aconitate hydratase activity 4766.
concentration, effects on, growth, Thiobacillus ferrooxidans 12469.
content, Rhizobium japonicum superoxide dismutase 1528.
distribution, Bacillus coagulans spores, electron probe analysis 87.
effects on, Corynebacterium diphtheriae, mutants, toxins, biosynthesis 3130.
effects on disease resistance, infection, man 6313.
effects on environmental conditions, anaerobic conditions, sediments, marine environment 8220.
effects on growth, toxins biosynthesis, Clostridium botulinum type A 4750.
effects on Pseudomonas aeruginosa pathogenicity, cornea infection, mice 4266
enhancement, Neisseria meningitidis infection, mice 1085.
Enterobacter cloacae, effects on receptors, aerobactin, enterochelin, biosynthesis 6494.
Enterobacter cloacae, Escherichia coli, uptake, role cloacins receptors proteins 8368.
ferrichrome, complex receptors, proteins isolation, antigenic characteristics, Escherichia coli outer membranes 11558.
ions, oxidation, Thiobacillus ferrooxidans, mathematical models 12435.
ions, oxidation, Thiobacillus ferroxidans 8432.
Listeria monocytogenes, role hemolysins biosynthesis 10070.
man, infection, bacteria, effects on, leukocytes (polymorphonuclear), bacteria growth 10459.
membrane composition, ferredoxin, Escherichia coli, E.S.R. 1339.
molybdenum proteins, nitrogenase, X-ray diffraction, Clostridium pasteurianum 7544
Neisseria meningitidis, binding, uptake, iron starvation 1396.
nutrient deficiencies, effects on Rhizobium japonicum heme biosynthesis 9696.
Ochrobium, ecology, lakes, British Isles 3737.
overload, association, meningitis, Listeria monocytogenes, monocytes phagocytosis, man 8987.
oxidation, filamentous microorganisms, growth, streams, polluted environments 2489
oxidation, microorganisms nutrient requirements, mines acidic waste water 5641.
oxidation, temperature, pH, effects on, Thiobacillus ferrooxidans 12444.
oxidation, Thiobacillus ferrooxidans, factors affecting 11019.
oxidation, Thiobacillus ferrooxidans, factors effects on 4742.
oxidation, Thiobacillus ferrooxidans, metals effects on 4763.
oxidation, Thiobacillus ferrooxidans, stimulation factors, purification, characterization 4745
proteins, nitrogenase, inactivation, characterization, Rhodospirillum rubrum 4927
Raman spectroscopy, ribonucleotide reductase, Escherichia coli 7569.
reduction, Pseudomonas, factors affecting 12406.
reduction, Pseudomonas, oil, nitrate, effects on 6524.
regulation membrane proteins biosynthesis, Escherichia coli 5731.
Rhodospirillineae nutrient requirements, effects on growth 12434.
role Neisseria meningitidis, virulence, mice 13009
role, Vibrio vulnificus infection pathogenesis, man, animals 4487
serum levels, relationship, tuberculosis, silicosis, silicotuberculosis, man 1980
siderophores, role, stimulation, growth, Escherichia coli, Salmonella typhimurium, serum, cattle 2673.
stimulation, growth, Peptococcus saccharolyticus, strains, colonial characteristics 9614
sulfur clusters, fumarate reductase (NADH), E.S.R., Vibrio succinogenes 4031.
synergism streptonigrin, bactericidal activity, Escherichia coli 10042
transport, citric acid induction, Escherichia coli 3826.
transport, ferrisiderophore reductase, Agrobacterium tumefaciens, characterization 8616.
transport, membrane proteins, identification, outer membranes, Escherichia coli 8523.
transport, Mycobacterium smegmatis, mycobactin localization 12294.
transport, uptake, Mycobacterium smegmatis 5666.
uptake, transferrin, Salmonella paratyphi 3848
use, media (selective), nonmucoid Pseudomonas aeruginosa, cystic fibrosis clinical isolates 9506
zinc, excretion, urine, dogs, killed Pasteurella multocida, inoculation, effects on 2361.
Iron dextran,
effects on Yersinia enterocolitica virulence 4267.
intravenous administration, immunosuppression, immunity bacteria, neonates, man 13019.
Iron starvation,
Neisseria meningitidis, iron binding, uptake 1396.
Iron-binding protein,
Vibrio anguillarum, outer membranes, plasmids, virulence 6879.
Iron-oxidizing bacteria,
population levels, mines wastes 128.
Thiobacillus ferrooxidans, silver ions drug resistance, isolation, characterization 4220
Iron-reducing bacteria,
sediments, aquatic 3742.
Iron-sulfur centers,
characterization, ferredoxin, Mossbauer spectroscopy, Bacillus stearothermophilus 11115.
Chromatium vinosum, photosynthesis, inhibition, quinone analogs 7484.
ferredoxin, E.S.R., Mossbauer spectroscopy, Desulfovibrio gigas 11103
ferredoxin, X-ray diffraction, Azotobacter 8520
fumarate reductase (NADH), characterization, Vibrio succinogenes 4920.
nitrate reductase, distribution plasma membranes, E.S.R., Escherichia coli 12335.
Pseudomonas arvilla, NADH dehydrogenase, reconstitution, activity 6648
Iron-sulfur centers, (continued)
role photosynthesis, chromatophores, Chromatium vinosum 4781.
selenium substitution, characterization, ferredoxin, Clostridium pasteurianum 6611.
Iron-sulfur proteins,
redox properties, Chromatium vinosum 4847.
Irrigation,
abdomen, surgery, peritonitis, man 10543.
methodology effects on dental plaque, man 10299.
+Rhizobium japonicum, effects on Glycine max yield, USA, North Carolina 1225.
tinidazole, prophylaxis, postoperative infection, digestive tract, man 10382.
urinary bladder, effects on adherence, Escherichia coli, epithelium, urinary tract, animal models, man 9605.
Irrigation systems,
Brazil, pollution, association feces indicator organisms, coliforms, streptococcus 7342.
Irumamycin,
biosynthesis, Streptomyces subflavus subsp. irumaensis, characterization, antifungal activity 7711.
Ischium,
tuberculosis, pathology, treatment, man 2281.
ISEW, Indonesia,
sediments, seafood, Clostridium botulinum incidence 1233.
Isobutylidine diurea,
nitrogen sources, nutrients digestion, protein biosynthesis, rumen, cattle 8080.
Isobutyraldoxime O-methyl ether,
production, Moraxella like microorganisms, Alcaligenes, Pseudomonas 12728.
Isobutyric acid,
gas-liquid chromatography, Thermoactinomyces vulgaris, Thermomonospora fusca, Thermoactinomyces candidus 5795.
transformation, fungi, bacteria 214.
Isocaproic acid,
association, leucine fermentation, anaerobic microorganisms 9726.
Isocitrate dehydrogenase,
Brevibacterium flavum, role glutamic acid biosynthesis 7532.
Citrobacter intermedius, plasmids, enzymatic activity, role, glutamate, excretion 2812.
Isocitrate dehydrogenase (NADP+),
cistrons, gene mapping, Escherichia coli 11259.
Isocitrate dehydrogenase (NADP^{+}),
domains structure, Azotobacter vinelandii 4039.
Escherichia coli mutants, purification, activity 5761.
isoenzymes, purification, characterization, Escherichia coli 3969.
purification, Escherichia coli 7551.
Isocitrate lyase,
Micrococcus varians, Bacillus licheniformis, glycine effects on activity 8613.
3-nitropropionate inhibition, Pseudomonas indigofera 11194.
Isoelectric focusing,
Bacteroides oralis proteins 8490.
DNA, reassociation, Bacteroides oralis, taxonomy 10928.
Escherichia coli plasmids, characterization 9884.
extracellular enzymes, Bacillus mesentericus 12574.
tetrahydrofolate dehydrogenase analysis, trimethoprim resistance, mediation, R factor, Escherichia coli 11208.
Isoenzymes,
asparagine synthetase, Klebsiella aerogenes, purification, characterization, regulation 12629.
Naegleria, comparison 12680
penicillinase, Pseudomonas aeruginosa, electrophoresis, characterization, antibiotic resistance, carbenicillin 1723.
D(-)-tartate dehydratase, Pseudomonas, isolation, characterization 12626.
Isoflavonoids,
Glycine max, effects on bacteria growth 12091.
Isolates,
Brucella abortus, infection, cattle, penicillin susceptibility 8803.
Leptospira interrogans, Caribbean Is., check lists 10708.
sewage, phage C-1, plasmid IncC, characterization 4998.
Vibrio cholerae, waste water, pathogenicity, man, characterization 6308.
Isolation units,
disease control, nosocomial infection, immunocompromised hosts, man 11915.
Isoleucine,
biosynthesis, cysteine, inhibition, Escherichia coli, derepression, ilvGEDA operon 8689.
Thiobacillus acidophilus, distribution, incorporation 1475.
Isonazid,
drug resistance, Mycobacterium tuberculosis, clinical isolates 11469.
Isoniazid,
antibacterial activity, animal isolates, horses, pseudotuberculosis, Corynebacterium equi, Streptococcus zooepidemicus, Mycobacterium 8845.
antibacterial activity, Mycobacterium avium-intracellulare 7804.
biodegradation, Bacillus 7426.
drug resistance, Mycobacterium tuberculosis, clinical isolates, surveys, Algeria 3060.
drugs treatment, tuberculosis lung, reviews 6195.
effects on Nocardia kirovani growth, nocardomycolic acids biosynthesis 8446.
+rifampicin, ± ethambutol, treatment, lung tuberculosis, man 9107.
+rifampicin, treatment, inactivation, tuberculosis, association, urinalysis, man 10477.
+rifampicin+streptomycin, treatment, paratuberculosis, goats 8112.
treatment, tuberculosis, clinical trials, man 13308.
Isonicotinoylhydrazones,
sugars derivatives, antibacterial activity, Escherichia coli, Bacillus licheniformis 8847.
Isopenicillin N,
antibacterial activity, Staphylococcus aureus, Micrococcus luteus, Salmonella typhimurium, Pseudomonas 11401.
separation techniques, high-pressure liquid chromatography 11349.
Isoprenoid nucleosides,
cytokinins, isolation, tRNA, Agrobacterium tumefaciens 1453.
Isoprenoids,
Pseudomonas mutants, concentration, metabolism 2841.
Isopropylmalate isomerase,
Salmonella typhimurium, subunit structure 1490.
η-**Isorhodomycinone,**
Streptomyces galilaeus, incidence 7492.

Isospora suis,
  coccidiosis, neonates pigs, isolation, Escherichia coli, viruses, Canada 8088
Isosulfazecin,
  antibiotics, characterization, biosynthesis, Pseudomonas mesoacidophila sp.nov., antibacterial activity 2991.
Isothiazolone,
  bactericides, inhibition, lactate dehydrogenase, Desulfovibrio desulfuricans 8835
Isotopes,
  assays, antibacterial activity, monocytes, Mycobacterium scrofulaceum 10136.
  carbon, fractionation, methane oxidation, Methylomonas methanooxidans, use, chemical analysis, ground water 7428
Isovaleric acid,
  association, leucine fermentation, anaerobic microorganisms 9726.
  gas-liquid chromatography, Thermoactinomyces vulgaris, Thermomonospora fusca, Thermoactinomyces candidus 5795
Isoxazolyl penicillins,
  reaction, penicillinase, Staphylococcus aureus 7817
Israel,
  lakes isolates, Chlorobium phaeobacteroides, uptake, metabolism, organic compounds 2649
  leptospirosis, man, epidemiology 7205
  man, hospitals, nosocomial infection, epidemiology 10515.
  sucrose effects on dental caries, bacteria, relationship, meals, children 11691
Istamycins,
  Streptomyces tenjimariensis, biosynthesis, antibiotic resistance, role, ribosomes 3068.
Italy,
  epidemiology, Salmonella, infection 3514
  lagoons, enumeration, bacterioplankton, Protozoa, pollution, effects on eutrophication 7340
  legionnaire's disease, children, case reports 6989
  man, Clostridium tetani, tetanus, antitoxins, incidence, age, sex, relationship 4309
  man, Clostridium tetani, tetanus, epidemiology 5353
  man, Clostridium tetani, tetanus, epidemiology 5354
  man, Clostridium tetani, tetanus, epidemiology, prophylaxis, vaccination 5360.
  man, Listeria monocytogenes listeriosis incidence 5434
  man, neonates, Klebsiella enteritis, epidemiology, antibiotic resistance 813.
  man, Streptococcus pneumoniae serotypes, distribution 1318
  Streptococcus pneumoniae, antibiotic resistance, serotyping 30.
Ivory Coast,
  Brucella, vaccination, effects on, reproduction, cattle 1912.
  Rhizobium japonicum nodulation, Glycine max, Vigna unguiculata 9444
Ixodes redikorcevi,
  vectors, disease transmission, tularemia, epidemiology, Rodentia 13382.
Izumenolide,
  characterization, antibacterial activity 292.
  inhibitors, penicillinase, Streptomyces cacaoi, Bacillus cereus, enzyme kinetics 2795
  isolation, characterization, Micromonospora chalcea subsp.izumensis 291.
  Micromonospora chalcea, structure 294

Jamaica,
  leptospirosis, epidemiology, disease control, man 9250.
  Saccharum officinarum, scald, Xanthomonas albilineans 6400
  Xanthomonas albilineans, scald, Saccharum officinale 4606
  Zea mays stunt, multiplicity of infection, Spiroplasma citri, maize mosaic virus 7307
Janua brasiliensis,
  interspecific relationships, metamorphosis, settling behavior, substrate specificity, bacteria 2499
Japan,
  algal blooms, Prorocentrum, decomposition, bacteria, marine environment 6437
  Bacillus thuringiensis, subsp.nov., subsp.kumamotoensis, subsp.tochigiensis, taxonomy, characterization 2536.
  bacteria, decomposition, organic matter, vertical distribution, brackish water environment 6438
  Chalcophaps indica, imported diseases, outbreaks, Salmonella typhimurium, ser. copenhagen, infection 3633.
  clinical isolates, Yersinia enterocolitica, phage typing, lysogeny 8713.
  coastal environments, identification, Vibrio, biodegradation, fucoidan, Nemacystus decipiens 42.
  contagious equine metritis, Haemophilus equigenitalis, horses, epidemiology, diagnosis 7250.
  Escherichia coli, R factors plasmids, antibiotic resistance, relationship, chemotherapy 3070.
  marine environments, aerobic bacteria, heterotrophic bacteria, decomposition, animals cadavers 8451.
  marine environments, bacteria, lipolysis, proteolysis, association, animals cadavers decomposition 8458.
  Melopsittacus undulatus, infection, Chlamydia psittaci 7241.
  mycobacteriosis, lung, man 6163.
  Oncorhynchus kisutch, vibriosis, Vibrio anguillarum 2389
  Serratia marcescens clinical isolates, antibiotic resistance, surveys 10009
  Serratia marcescens, clinical isolates, bacteriocin typing, infection seroepidemiology 13354.
Japan Coast,
  mineralization, sediments, heterotrophic microorganisms 8230.
Jaundice,
  association, gram-negative bacteria sepsis, man, case reports 9206.
  association, renal insufficiency, effects on, endotoxins, absorption, intestine, man 3149.
  man, clinical isolates, Yersinia enterocolitica, Yersinia pseudotuberculosis, antibiotic sensitivity testing 9957.
Java,
  Clostridium botulinum, incidence, Pisces, coastal waters 8087.
Jaw,
  bone loss, rats, vaccination, Bacteroides corrodens, effects on 554.
  peridontal diseases, bacteria, pathology, animal models, man 11695.
Jenacillin A,
  treatment, gonorrhea, man 2171.
Joint deseases,
  bacteria, treatment, diagnosis, pathology, man 3748.
Joint diseases,
  Staphylococcus aureus, antibiotic resistance, treatment, pristinamycin, infants, man 999
Joints,
  bacteria localization, arthritis, Yersinia enterocolitica, man, case reports 3495
  hip, Staphylococcus infection, man 5410.
  infection, bacteria, antibiotics treatment, animal models 5387.
  infection, bacteria, association, immunodeficiency, man 5391.
  infection, bacteria, diagnosis, clinical aspects, immune response, man, conferences 5550.
  infection, bacteria, treatment, antibiotics, man 3535.
  infection, bacteria, treatment, osmic acid, man 3536.
  infection, bacteria, treatment, surgery, man 3523.
  infection, staphylococcus, Mycobacterium tuberculosis, man, case surveys 5408.
  man, rheumatoid arthritis, prothetics infection, bacteria, association, leukocytes (granulocytic) response 10491.
  Staphylococcus aureus, osteomyelitis, diagnosis, scintigraphy, man 2203.
  Staphylococcus infection, diagnosis, man 5394.
  tuberculosis, treatment, man 3550.
Josamycin,
  antibacterial activity, anaerobic bacteria, in vitro 8783.
  antibacterial activity Chlamydia 9972.
  antibacterial activity, Mycoplasma, gram-negative bacteria 3030.
  antibacterial activity, Staphylococcus, comparison, erythromycin, spiramycin, lincomycin 366.
  +antibiotics, antibacterial activity, anaerobic bacteria infection treatment, man 10485
  oral administration, association, antimicrobial activity, eye, serum, tonsil, man 10455
  treatment, bacteria infection, respiratory tract, skin, neonates, man 10310.
  treatment gram-positive bacteria infection, man 9236.
  treatment, respiratory tract infection, children 1968.
Juglans regia,
  blight, Xanthomonas juglandis, distribution, buds 7304.
  Xanthomonas campestris pv.juglandis blight, ecological evaluation 12105.
Juices,
  cabbage, use, media (culture), lactic acid bacteria growth 4673.
Juncusol,
  antibacterial activity, Bacillus subtilis, Staphylococcus aureus 6844.
Jupiter,
  extraterrestrial life, microorganisms, pressure tolerance 13532.
Juveniles,
  adolescents, Actinobacillus actinomycetemcomitans, periodontal diseases, antibodies, serum levels 6915.
  Anguilla anguilla, Edwardsiella tarda infection, mortality 6333.
  cattle, anaplasmosis, Brazil 7245.
  cattle, Brucella abortus, antibody response, Yersinia enterocolitica experimental infection effects on 1068.
  cattle, Brucella abortus, vaccination 4328.
  cattle, diarrhea, detection, Escherichia coli, methodology 3162.
  cattle, diarrhea, Escherichia coli pathogenicity 9338.
  cattle, diarrhea, pathogenesis, fluids treatment 10661.
  cattle, diarrhea, treatment, association, liquids intake 10646.
  cattle, disease transmission, Anaplasma marginale, infection, Cricetomys gambianus, Nigeria 3631.
  cattle, enteritis, treatment, neomycin, bacitracin 5480.
  cattle, Escherichia coli, antigen K99, antibiotic resistance, incidence 11445.
  cattle, Escherichia coli serotypes isolation 4707.
  cattle, Escherichia coli+rotavirus, immunization (passive), maternal transfer, antibody response 9054.
  cattle, feeding regimes, colostrum, colonization, intestine walls, electron microscopy 4542.
  cattle, hemoglobinuria, association, necrobacillosis 5456.
  cattle, incidence, rotavirus+Escherichia coli, mixed infection 12049.
  cattle, infection, Babesia bovis, Anaplasma marginale, antibody response, Bolivia 11578
  cattle, intestinal microflora, colostrum diets effects on 1054.
  cattle, intestinal microflora, sucrose diets effects on 1045.
  cattle, leukocytes (mononuclear), activity, levels, association, Corynebacterium parvum 10216.
  cattle, meningoencephalitis, Mycobacterium tuberculosis, India, case reports 3620
  cattle, Pasteurella, infection, prophylaxis, vaccination 4344
  cattle, Pasteurella, respiratory tract diseases, incidence, clinical aspects 4555
  cattle, Pasteurella, viruses, respiratory tract diseases, incidence 4585.
  cattle, polyarthritis, Chlamydia psittaci, etiology 3643.
  cattle, respiratory syncytial virus vaccination, antibody response, infection prophylaxis 4350.
  cattle, rumen microorganisms, biodegradation, proteins 3563.
  cattle, Salmonella dublin experimental infection, association, inoculum size 3626
  cattle, Salmonella dublin salmonellosis, control 6373.
  cattle, Salmonella typhimurium, experimental infection, immune response, antigen O 9021.
  cattle, Salmonella typhimurium salmonellosis, treatment, apramyan 5461.
  cattle, septicemia, Mycoplasma 9337.
  cattle, serum+culture (media) effects on Chlamydia trachomatis 5559.
  cattle, serum resistance, induction, Neisseria gonorrhoeae, culture (media) 5986.
  cattle, sheep, diarrhea, Campylobacter fetus subsp.jejuni, isolation, pathogenicity 3597.
  chickens, bacteria contamination enumeration, gnotobiotics (specific pathogen free) 6381
  chickens, chemical composition, blood, body temperature, Escherichia coli, endotoxins, inoculation, effects on 4242.
  chickens, growth, intestinal microflora, Streptococcus faecium, effects on 2330.
  chickens, mice, Xenorhabdus infection, pathogenicity 10709.
  horses, arthritis, septicemia, pathogenesis 10675.
  horses, botulism, Clostridium botulinum, case reports 7264.
  horses, brucellosis, pathology 10704.
  horses, Corynebacterium equi pneumonia outbreaks 3646.
  horses, cystitis, Proteus mirabilis, experimental infection, treatment, trimethoprim+sulfadiazine 2379.
  horses, immunoglobulin G immunodeficiency, association, salmonellosis 572.
  horses, Nocardia asteroides infection, case reports 7233.

Juveniles, (continued)
man, Actinobacillus actinomycetemcomitans incidence, periodontitis 6155.
man, bacteria, cystitis, diagnosis, treatment, case reports 4428.
man, periodontitis, incidence, USA, Kentucky 13111.
man, Sjogren's syndrome, clinical aspects, case reports 8056.
mice, Coxiella burnetii experimental infection, pathogenicity 13405.
mice, toxicity, Clostridium botulinum type toxins 6007.
Mycobacterium, paratuberculosis, pathogenicity, immune response (cell-mediated), cattle 6062.
pigs, Bordetella bronchiseptica isolation, drug resistance, association R tactors 6850.
pigs, Coccidia, mixed infection, enteritis, bacteria, diarrhea 2343.
pigs, enterotoxemia treatment, Rhodovet powder+aspirin 6350.
pigs, Escherichia coli, vaccination, pregnancy, antibody response, maternal transfer, immunity (passive) 5257.
pigs, heart, Escherichia coli endotoxins effects on 483.
pigs, intestine, endotoxins, Escherichia coli, absorption, characterization 6020.
pigs, oral cavity infection, Campylobacter sputorum subsp.mucosalis, pathogenesis 7232.
pigs, pneumonia, Mycoplasma hyopneumoniae, treatment, lincomycin, tylosin 7276.
pigs, salmonellosis, experimental infection, association, leukocytes (neutrophilic) adherence 5216.
Salmonidae, juveniles, vaccination, Vibrio anguillarum, Yersinia ruckeri 10249.
sheep, carbohydrates fermentation, large intestine 12039.
sheep, Chlamydia psittaci, experimental infection, oral administration 6374.
sheep, Clostridium perfringens toxoids, vaccination 7958.
sheep, diarrhea, Salmonella arizonae, Escherichia coli, Salmonella dublin 10652.
sheep, experimental infection, Escherichia coli± rotavirus, pathology 3582.
sheep, gnotobiotics, growth, rumen microorganisms, function 6380.
sheep, gnotobiotics (specific pathogen free), Mycoplasma ovipneumoniae strains effects on 8124.
sheep, gnotobiotics (specific pathogen free), pathogenicity, infection, Mycoplasma ovipneumoniae, Pasteurella haemolytica 8123.
sheep, infection, Eperythrozoon ovis, suckling behavior, diseases protection 9371.
sheep, mixed infection, adenovirus (ovine)± Pasteurella haemolytica, pathogenesis 12075.

Kalanchoe,
leaves, Agrobacterium tumefaciens tumors induction, osmotic potential 13434.
Kallikrein,
precursors production, typhoid fever effects on, man 6208.
Kanamycin,
analogs, antibacterial activity 315.
antibacterial activity, antibiotic resistance, gram-negative bacteria clinical isolates 4168.
antibacterial activity, Mycobacterium avium-intracellulare 7804.
antibiotic resistance, Bacillus thuringiensis, Bacillus popilliae, detection, mutation frequency 4113.
antibiotic resistance, Citrobacter diversus, clinical isolates, identification, media (selective) 1261.
antibiotic resistance, pON5300 plasmid 5019.
antibiotic resistance, Salmonella johannesburg, IncFI plasmid, incompatibility 9856
antibiotic resistance, Salmonella typhimurium clinical isolates 7816.
antibiotic resistance, Salmonella typhimurium, plasmids 402.
antibiotic resistance, Streptococcus faecium, R factors 7838.
antibiotic sensitivity testing, Mycobacterium fortuitum 6787.
antibiotic sensitivity testing, Pseudomonas aeruginosa, pyocin typing, aeruginocine 8785.
antibiotic sensitivity testing, Salmonella, isolates 8759.
antibiotic sensitivity testing, Streptococcus group D clinical isolates 5905.
Bordetella bronchiseptica drug resistance, R factors, pigs 6850.
carbenicillin, antibiotic sensitivity testing, antibiotic synergism, Pseudomonas aeruginosa, mutants 4170.
Escherichia coli, Klebsiella, drug resistance 384.
media (isolation), Thermomonospora chromogena 1254.
Staphylococcus aureus, antibiotic sensitivity testing 3107.
Streptomyces kanamyceticus, biosynthesis, antibiotic resistance, role, enzymes 3054.
treatment, meningitis, man 10419.
treatment, periodontal diseases, bacteria, reviews, man 6954.
Kanendomycin,
antibacterial activity, serum proteins binding 316.
Kaposi's sarcoma,
biopsy, histopathology, isolation, bacteria, role, pathogenesis, case reports, man 7174.
Kappa particles,
Pseudomonas taeniospiralis sp.nov., characterization 9539.
Kawasaki disease,
association, Rocky Mountain spotted fever, man, case reports 4485.
Kelfiprim,
Kelfiprim 9242.
Kennel cough,
treatment, combined vaccines, Bordetella bronchiseptica+adenovirus (canine) 2+parainfluenza virus, dogs 4345.
Kenya,
Coffee arabica blight, Pseudomonas syringae, disease spread, seasonal variations, rainfall effects on 9411.
diphtheria, children, case reports 7260.
syphilis, serological tests, ethnic groups 4445.
tuberculosis, screening, man 6177.
Keratinization,
gingiva, dogs, dental plaque prophylaxis 12047
Propionibacterium acnes, acne, man 4365.
tongue, relationship, bacteria colonization, animal models 5476.
Keratinocytes,
epithelium, bacteria extracts effects on 11683.
Keratitis,
association, Reiter's disease, Chlamydia, pathology, man 10443.
association, syphilis congenital infection, man, case reports 5351
Azotobacter, man, case reports 2228
bacteria distribution, screening 6852
guinea-pigs, cornea, transfusion, leukocytes (polymorphonuclear) dispersal,

Keratitis, (continued)
association Pseudomonas aeruginosa, animal models 7943.
herpes simplex virus, comparison, Treponema pallidum, electron microscopy, pathogenesis, case reports, man 13276.
immunity, vaccination, Pseudomonas aeruginosa, M form, slimes, rabbits 9062.
Klebsiella, treatment, cefotiam, guinea-pigs 6798.
man, infection, Staphylococcus aureus, Pseudomonas aeruginosa, treatment, antibiotics 10495.
pathology, role, proteinase, Serratia marcescens, rabbits 1091.
Pseudomonas aeruginosa, antibiotics treatment, animal models, man 13318.
Pseudomonas aeruginosa, experimental infection, eye, role, retinol deficiency, rabbits 2229.
Pseudomonas aeruginosa, treatment, tobramycin, gentamicin, animal models 7118.
Pseudomonas aeruginosa, treatment, treatment, habekacin, mice 3593.
Serratia marcescens, association, eyedrops contamination, treatment, man, case reports 10453.
Serratia marcescens, treatment, association, contact lenses, man 1009.
Keratoconjunctivitis,
cattle, cornea pathology, Moraxella bovis 1059.
Chlamydia, Phascolarctos cinereus, Australia 1110.
Maraxella bovis, vaccination, immune response, juveniles, cattle 9050.
Moraxella bovis, cattle, association Musca autumnalis 6366.
Moraxella bovis, epizootiology, risk factors, cattle 4592.
Moraxella bovis vaccination, cattle 636.
Phascolarctos cinereus, Chlamydia psittaci etiology 5471.
Keratctomy,
complications, endophthalmitis, staphylococcus epidermidis, case reports, man 13334.
Kethoxal,
GTP, chemical modification, phenylalanyl-tRNA elongation factor Tu complex, kinetics, structure analysis, Escherichia coli 11067.
Keto acid dehydrogenase,
characterization, Pseudomonas putida, association valine 5784.
dihydrolipoamide reductase, valine substrate specificity effects on, Pseudomonas putida 5775.
5-Keto-D-fructose reductase,
purification, characterization, Gluconobacter industrius 3988.
2-Keto-3-deoxyoctonate,
lipopolysaccharides, carbohydrate composition, Vibrionaceae 9796.
2-Keto-3-deoxyoctonic acid,
Escherichia coli, Salmonella minnesota, detection, use, Carcinoscorpius rotundicauda lectins 11243.
β-Ketoadipate,
chemotaxis, transport, regulation, Pseudomonas putida, mutants 1353.
12-Ketochendeoxycholic acid,
production, bacteria 11249.
12-Ketochenodeoxycholic acid,
biosynthesis, Brevibacterium fuscum, immobilized cells 213.
Ketoconazole,
bacteriostasis, Staphylococcus aureus 10032.
3-Ketoglutaric acid,
degradation, Arthrobacter, soil isolates 1410.
α-Ketoisovaleric acid,
Escherichia coli, biosynthesis pathways 6606.
Ketone bodies,
antibacterial activity, Escherichia coli growth 8866.
Escherichia coli, ketone bodies antibacterial activity 8866.
Keys,
Enterobacteriaceae, identification 10889.
identification, Bacillus, food 1312.
Kidney,
abscesses, association, carcinoma, kidney, incidence, Escherichia coli, hematuria, man, case reports 4429.
abscesses, presentation, bacteria, pyelonephritis, man 3389.
abscesses, Salmonella, pathogenesis, man, case reports 9165.
abscesses, treatment, antibiotics, man 858.
allografts, recipients, postoperative infection, man 969.
association, abscesses, Staphylococcus aureus, treatment, reviews 5327.
association, binding proteins, isolation, Streptococcus pyogenes 11111.
bacteria infected, transplantation, clinical aspects, man 10547.
Cornyebacterium renale passage urinary bladder, immune response, mice 8952.
dogs, isolation, Leptospira serotypes 9340.
leptospirosis, prophylaxis, Leptospira interrogans ser.pomona vaccination, pigs 1950.
lesions, man, leprosy 13089.
necrosis, association, pyelitis, urinary tract infection, man, case reports 9155.
parenchyma, children, urinary tract infection+ureter pressure, effects on 11795.
parenchyma, children, urinary tract infection+ureter pressure, effects on 11815.
pathology, diphtheria, children, case reports 3327.
pathology, erythema nodosum leprosum, man 693.
pathology, Leptospira canicola experimental infection, pregnancy, hamsters 2076.
scars, association, urinary tract infection, treatment, man, reviews 6220.
transplantation, Gardnerella vaginalis, abscesses, man, case reports 4422.
tuberculosis, , association, hypersensitivity, treatment 2106.
tuberculosis, diagnosis, man 2073.
Kidney diseases,
association, Streptococcus pneumoniae vaccination immune response, man 5256.
bacteria, prophylaxis, erythromycin, eggs, Oncorhynchus kisutch, factors affecting 3588.
bacteria, Salmonidae, detection, agglutination, Staphylococcus antibodies 6027.
man, Brucella infection, association, glomerulus 10413.
Kidney infection,
Renibacterium salmoninarum, carriers, incidence, Salmo salar, Canada 3598.
Kidney transplantation,
association, Legionnaire's disease, treatment, antibody response, man, case reports 9101.
association, nocardiosis, brain, Nocardia, case reports, man 6243.
association, tuberculosis, diagnosis, man 947.
Escherichia coli, abscesses, diagnosis, computed tomography, man, case reports 866.
immunocompromised hosts, antibody response, Streptococcus pneumoniae vaccines, man 11640
immunocompromised hosts, vaccination, Streptococcus pneumoniae, effects on immun response (humoral), man 627
immunosuppression, association, infection, bacteria, fungi, man 8034.
lung nocardiosis, embolism, association, man, case reports 11737

Kidney transplantation, (continued)
- man, pneumonia, Pneumocystis carinii infection, cotrimoxazole treatment, dose-response effects 7973
- recipients, Nocardia asteroides, infection, incidence, treatment, man 797
- Streptococcus pneumoniae vaccination, immune response, man 6133
- Ureaplasma urealyticum, urinary tract infection, man 2068

Kijanimicin,
- antibiotics, Actinomadura kijaniata sp.nov., biosynthesis, antibacterial activity, characterization 2986

Kilham rat virus,
- infection, association, Pasteurella pneumotropica secondary infection, rats 1060.

Killed,
- BCG, methanol extraction, inhibition, spermatogenesis, testis, rabbits, dogs, rats 3595

Killing,
- Bacillus subtilis, phages, role proteins, purification, characterization 7671
- bacteria, leukocytes (polymorphonuclear), antimicrobial agents effects on 10241
- Neisseria, association, complement C9 immunodeficiency, man, case reports 5225
- Pseudomonas, plasmid pAS8Rep-1, transposon Tn7, transfer 2913.

Kinetics,
- z-acetylpyridine thiosemicarbazones derivatives, antibacterial activity, Mycobacterium, in vitro, assays 1775.
- adsorption, association, flagella, vibrio 12341
- alanine dehydrogenase, Bacillus subtilis 1506
- alkaline phosphatase, comparison periplasmic space, plasma membranes, Escherichia coli 12583.
- alkaline phosphatase, Escherichia coli 11153
- amine oxidase (copper-containing), Arthrobacter 2794.
- aspartate carbamoyltransferase, Escherichia coli 4059.
- aspartate kinase, Escherichia coli 4041
- Azotobacter vinelandii, active transport, ammonium, methylammonium 2613.
- Bacillus subtilis, growth, adenine metabolism, chemostat culture 5669.
- Bacillus subtilis, tetrahydropteroyltriglutamate methyltransferase, role chemotaxis 11176.
- biosynthesis, membrane proteins, Escherichia coli, inhibition, cell division 8437.
- carbamate kinase, Streptococcus faecalis 4034
- chloride peroxidase chlorite reaction, Caldariomyces fumago 4908
- chorismate mutase prephenate dehydrogenase, Escherichia coli 8584
- chromosomes transfer, conjugation, mathematical models, Escherichia coli 242.
- dam gene DNA methyltransferase, Escherichia coli 7613.
- dehydrocamphor epoxidation, reconstitution cytochrome P450, Pseudomonas putida 6534.
- denitrifying bacteria, denitrification, uptake, nitrate, nitrous oxide 8465
- deoxyribonuclease II, Brevibacterium ammoniagenes 12505.
- DNA (cytosine-5-)-methyltransferase, Bacillus subtilis 4877
- DNA glycosylase, reviews 7605.
- DNA replication specificity, DNA repair, mutation, Escherichia coli 11049
- DNA-binding protein transfer, DNA, Escherichia coli 11038
- electron transfer, cytochrome c551, cytochrome c oxidase, Pseudomonas aeruginosa 11023
- enoate reductase, Clostridium 11199
- Escherichia coli, initiation factor 3 inhibition ribosomal subunits association 6589
- Escherichia coli phosphoenolpyruvate carboxylase, effectors 6650.
- ferredoxin oxidation, U.V spectroscopy, Clostridium 6609
- formic acid metabolism, Methanobacterium formicicum, Methanospirillum hungatei 12437
- glutamine synthetase ATP hydrolysis, Escherichia coli 4903.
- glutamine synthetase inhibition, regulation, Bacillus caldolyticus 4019.
- growth, bacteria, chemostats, mathematical models 7476.
- growth, bacteria, continuous culture, mathematical models 2646
- Halobacterium halobium photocycles, bacteriorhodopsin 1424
- hydrogenase, membranes, Rhodopseudomonas capsulata 4897
- 4-hydroxyphenylpyruvate dioxygenase inhibition, enol-4-hydroxyphenylpyruvate, Pseudomonas 9742.
- 4-hydroxyphenylpyruvate dioxygenase, Pseudomonas 8578
- Hyphomicrobium, denitrification, dimethylamine dehydrogenase, dimethylamine mono-oxgenase, nitrate reductase, oxygen tension, effects on 2776
- inhibition, Brown MX-5BR dyes interactions tryptophanyl-tRNA synthetase, Bacillus stearothermophilus 11179.
- kethoxal chemical modification, phenylalanyl-tRNA elongation factor Tu complex, Escherichia coli 11067.
- β-lactam antibiotics, antibacterial activity 12890
- lactose transport, Escherichia coli 8374
- lactose transport, pH effects on, role lactose permease, Escherichia coli 3813
- linear alcohol ethoxylates surfactants biodegradation, bacteria 4753
- lung macrophages, BCG inflammation, mice 606
- macrophages, phagocytosis, bacteria, rats 588
- methylhydroxypyridine-carboxylate dioxygenase, Pseudomonas 7566.
- methylotrophic bacteria 3-hexulosephosphate synthetase 2759.
- microbial metalloproteinases hydrolysis L-leucine methyl ester, L-phenylalanine methyl ester, L-tryptophan methyl ester 4895.
- micrococcal endonuclease immobilized enzymes, Staphylococcus aureus 4894.
- NAD^+ binding, role aldehyde dehydrogenase mechanisms, Escherichia coli 7572.
- NAD^+ nucleosidase hydrolysis, catalysis, enterotoxins, Staphylococcus aureus 4231.
- nitrate transport, Klebsiella pneumoniae 5665.
- nitrite reductase (NAD(P)H), Escherichia coli 1550.
- nitrite reductase (NAD(P)H), Escherichia coli 9764.
- nucleotidase, membranes, aquatic bacteria 2760.
- Pediococcus cerevisiae, lysine bioassays 9523.
- penicillin amidase, Escherichia coli, Bacillus megaterium 4893
- penicillinase, Bacillus cereus 1535.
- penicillinase, gelatin effects on, Bacillus cereus 7599.
- penicillinase inactivation ceftazidime, gram-negative bacteria 5120.
- phage T5, attachment, receptors, membranes, Escherichia coli, Triton X-100, effects on 1660
- plasmid pAL2 replication, comparison Escherichia coli 6740.
- plasmid pSM1 cleavage, substrate specificity, endodoxyribonuclease PstI 4145.
- protein biosynthesis, phage PM2, infection, Alleromonas espejiana, characterization 7680
- proteinase I, Achromobacter lyticus 3980.
- Pseudomonas putida, protocatechuate 3,4-dioxygenase reaction oxygen+substrates, characterization intermediates 3954.
- pyrroline-5-carboxylate reductase, 1-pyrroline-5-carboxylate dehydrogenase,

Kinetics, (continued)
    Salmonella typhimurium 4008.
- Rhodopseudomonas capsulata, carotenoids absoprtion, membrane potential 8474.
- ribulosebisphosphate carboxylase, Rhodospirillum rubrum 2751.
- RNA biosynthesis, electrophoresis, hybridization, Bacillus subtilis 8501.
- RNA polymerase, comparison purines, pyrimidines, transcription, Escherichia coli 1451
- Salmonella typhimurium, mutants, biosynthesis, pyrimidines, orginine, regulation 1539
- sphingomyelin phosphodiesterase, Bacillus cereus 9756
- Streptococcus group A, Streptococcus group B 1711.
- Streptomyces griseus proteinase, tryptophan methyl ester hydrolysis 4882
- succinate dehydrogenase, anions effects on, cytoplasmic membranes, Escherichia coli 11162.
- superoxide dismutase, Bacillus stearothermophilus 183.
- tetrahydrofolate dehydrogenase, Escherichia coli 11205.
- Thiobacillus thioparus, active transport, amino acids, regulation 2605.
- Thiobacillus thioparus, active transport, amino acids 2611.
- tryptophan synthase β-subunit dimerization, fluorescence, Escherichia coli 7589
- tryptophan synthase β-subunit renaturation, Escherichia coli 7590
- urocanate dehydratase, fluorescence, Pseudomonas putida 7585
- yeasts tRNA Phe binding Escherichia coli ribosomes fluorescence 6578.

Kingella kingae,
- arthritis, knee, man, case reports 990.
- arthritis, osteomyelitis, case reports, man 13299.
- isolation, characterization, Denmark 1316.

Kirromycin,
- analogs, inhibition, elongation factor Tu, protein biosynthesis, Escherichia coli 3907
- derivatives, antibacterial activity, elongation factor Tu, Escherichia coli 2718.
- effects on, elongation factor Tu allosteric properties, GTP binding, Escherichia coli 11088
- effects on elongation factor Tu, protein biosynthesis, Escherichia coli 3897.
- effects on protein biosynthesis, ribosomes, bacteria 11079.
- inhibition protein biosynthesis, elongation factor Tu mutants, Escherichia coli 3898
- interaction elongation factor Tu, Lactobacillus brevis 11128.

Kirrothricin,
- Streptomyces cinnamomeus, structure 2974.

Klebsiella,
- abscesses, liver, neonates, man 961.
- alafosfalin, antibacterial activity 5070.
- antibacterial activity, antibiotic HR 756 1729.
- antibacterial activity, antibiotic 6059-S, in vitro, treatment, infection, man 1744.
- antibacterial activity, cefoperazone, cefotiam 347.
- antibacterial activity, cefotaxime, cephalosporins 5914.
- antibacterial activity, cefotiam 1721.
- antibacterial activity, cephalothin 353.
- antibacterial activity, meclocycline, potentiation, association, propyl gallate 8790.
- antibacterial activity, mezlocillin 12893.
- antibiotic resistance, β-lactam antibiotics 5958.
- antibiotic sensitivity testing, β-lactam antibiotics, mecillinam, drug sensitivity testing, nalidixic acid, co-trimoxazole 4169.
- antibiotics activity, 7-hydroxytropolon 6773.
- antigenic relationship, Streptococcus pneumoniae, antigens structure 7920.
- antigens, modification, histocompatibility antigen HLA B determinants, role, pathology, man 4324.
- bacteriuria, diagnosis, females, man, Phillipines 2097.
- bekanamycin antibacterial activity 6786.
- bile bacteriology, association, cholangitis, geriatrics 4519.
- capsules, antisera, lymphocytes cytotoxicity, association, ankylosing spondylitis, man 3204.
- capsules polysaccharides depolymerization, use, phages enzymes 4945.
- capsules polysaccharides, structure 1562
- capsules polysaccharides, structure 7626
- catabolism, pentoses, pathways, regulation 9798.
- cefoperazone antibiotic resistance, penicillinase 7823.
- cefoperazone, antibiotic synergism, penicillinase inhibitors 345.
- cefotiam antibacterial activity 1719.
- ceftazidime, antibacterial activity, in vitro 357.
- cefuroxime, antibacterial activity 6801
- cephalosporins, antibacterial activity 12901.
- clearance, biliary tract, ceftizoxime treatment, choledochlithiasis, man 10545.
- clinical isolates, antibiotic resistance, aminoglycoside antibiotics 5946.
- clinical isolates, antibiotic resistance, mastitis, cattle 5107.
- clinical isolates, antibiotic sensitivity testing, penicillins, drug sensitivity testing, quinolones, co-trimoxazole 4175.
- clinical isolates, biotyping, antibiotic resistance 12243.
- clinical isolates, capetimycin, antibacterial activity 8768.
- clinical isolates, cefoperazone antibacterial activity, man serum effects on 9935
- clinical isolates, cefoperazone, antibiotic sensitivity testing 11375.
- clinical isolates, characterization, computer applications 2559.
- clinical isolates, hospitals patients, antibiotic resistance 9998.
- clinical isolates, typing, computers, analysis 1297.
- colonization, Raphanus sativus, association, Klebsiella seed treatments 2440.
- dibekacin antibacterial activity 6785.
- drug resistance, antibiotic resistance 384.
- drug resistance, mercury 456.
- enteritis, epidemiology, antibiotic resistance, neonates, man, Italy 813.
- etiology, pneumonia, man 789.
- experimental infection, glucose-6-phosphate effects on fosfomycin treatment, animal models, man 11985.
- eye diseases, drug sensitivity testing, case surveys 7111.
- food isolates, antibiotic resistance 1746.
- gastrointestinal tract infection, cefotaxime treatment, man 6207.
- genital tract infection, treatment, cefotaxime, females, man 2099.
- gentamicin, antibiotic resistance, nosocomial infection, epidemiology, plasmids, man 10021
- hospitals role, nosocomial infection, incidence 8031.
- incidence, cattle bedding 10656.
- incidence, hospitals role, nosocomial infection, man 8033
- infection, aminoglycoside antibiotics, treatment, prophylaxis, man 12002.

Klebsiella, (continued)
- infection, cefotaxime treatment, children 6267.
- infection, cefotaxime treatment, intensive care units, man 6281.
- infection, cefotaxime treatment, man 6265.
- infection, cefotaxime treatment, man 6272.
- infection, disease resistance, role, radioactive labelling muramyl peptides, mice 12055.
- infection, Macaca fascicularis, diseases characterization 9344.
- infection, man 938
- infection, man, antibiotics treatment, reviews 9265.
- infection, man, eye diseases, antibiotics treatment 10492.
- infection, man, meningitis, moxalactam treatment 9168.
- infection, treatment, cefmetazole, infants, man 985.
- infection, treatment, cephalosporins, man 4502.
- isolation, β-D-mannosidase 1513.
- keratitis, treatment, cefotiam, guinea-pigs 6798.
- lung infection, complications, trachea ventilation, man 771.
- muramyl dipeptide effects on infection, association, hyperferremia, mice 11965.
- nosocomial environments isolates, R factors, F lac factor, col factor, plasmids, antibiotic resistance, clinical aspects, man 5887.
- nosocomial infection, hand, personnel, hospitals, man 3515.
- opportunistic infection, wetwood, association dieback, Abies alba 10753.
- organic compounds utilization 12457
- otolaryngeal infection, man, antibiotics treatment 10323
- pathogenicity effects on, Beta vulgaris crop production 13451.
- pathology, epithelium, urinary bladder, experimental infection, rats 2104
- penicillinase activity, inhibitors, characterization 7577.
- penicillinase biosynthesis, detection methodology 1515.
- phage typing, antibiotic sensitivity testing, incidence, nosocomial infection, clinical isolates 9574.
- phages, nuclease activity 4985
- plasmids, characterization, role, drug resistance 6752.
- plasmids mediation, antibiotic resistance, aminoglycoside antibiotics 401.
- pleuropneumonia, experimental infection, antibiotics treatment, animal models, man 10343
- polysaccharides, antigen O relationship, antigenic characteristics, Escherichia coli 6060
- pyopneumothorax, neonates, man, case reports 6184.
- Reiter's disease, etiology, physiopathology, factors affecting, man 11949
- respiration, cyanide sensitivity 7481
- respiratory tract infection, sisomicin treatment, man 10351
- rhizosphere microorganisms, pathogenicity, Beta vulgaris crops, identification, characterization 6431
- ribitol dehydrogenase, structure, comparison, alcohol dehydrogenase, sheep, evolution 4883
- rifampicin+trimethoprim antibacterial activity 372.
- saliva effects on adherence, oral cavity epithelium, man 10967.
- septicemia, antibiotic resistance, cefotaxime treatment, man 6268
- strains, bacteriocin typing 8323
- Streptococcus pneumoniae, polysaccharides, cross-reactivity, immune response, immunodiffusion, mice, vaccines 3184
- survival, dilution effects on, in vitro 1398
- types, isolation sites, antibiotic resistance, relationship 1317
- urinary tract clinical isolates, incidence, antibiotic resistance, man 4435
- urinary tract infection, association, ankylosing spondylitis, immune response, saliva immunoglobulins, man 4289
- urinary tract infection, association, spinal cord injuries, man 2081.
- urinary tract infection, azlocillin treatment, man 11812.
- urinary tract infection, cefotaxime treatment, man 6213
- urinary tract infection, diagnosis, prophylaxis, geriatrics, man 7035.
- urinary tract infection, man, antibacterial activity, cinoxacin, DNA biosynthesis inhibition 8829
- urinary tract infection, man, antibiotics treatment 10394
- urinary tract infection, treatment, nalidixic acid+cotrifamol, children 2075.
- urinary tract infection, treatment, trimethoprim+sulfamethoxypyrazine, man 2077
- urinary tract infection, treatment, trimethoprim+sulfamethopyrazine, man 13192.

Klebsiella aerogenes,
- asparagine synthetase isoenzymes, purification, characterization, regulation 12629
- cadmium resistance, role cadmium sulfide formation 12959.
- citrate, metabolism, citrate permease, growth rate, chemostats 2822
- clinical isolates, antibacterial activity, ceftazidime 5079.
- continuous culture, calorimetry 12408
- culture, chemostats, calorimetry 4670.
- 3':5'-cyclic AMP phosphodiesterase, characterization, association, cell death 12688
- cycloserine, antibacterial activity, transport, cultural conditions, effects on 1698.
- growth, nutrient deficencies, thermodynamics, chemostats 3862.
- growth rate, effects on, metabolism, biological characteristics 8449
- mutants, genes duplication nucleotide sequence, association, ribitol dehydrogenase 12771
- nitrate reductase, orientation, membranes, methodology 2586.
- β-phenetyl alcohol, procaine hydrochloride effects on tyramine oxidase, arylsulfatase 4931
- sodium transport reconstitution, relationship, oxaloacetate decarboxylase, liposomes 3981
- survival, hand, relationship, outbreaks, hospitals, man 3517.
- tryptophan operon, regulation regions, nucleotide sequence 12521

Klebsiella oxytoca,
- antibiotic 6059-S antibacterial activity 1743
- association, cotton, electron microscopy, ultrastructure 5604
- experimental infection, glucose-6-phosphate effects on fosfomycin treatment, animal models, man 11985.
- infection, treatment, antibiotic 6059-S, children 2318
- isolation, 3-hydroxyonthranilic acid, 5-hydroxydeoxyvasicinone 212.
- nitrogen fixation, isolates, characterization, roots, Triticum 3700
- saliva effects on adherence, oral cavity epithelium, man 10967
- taxonomy, phenotypes, proteins, beer isolates 80

Klebsiella ozaenae,
- septicemia, association, leprosy, man, case reports 3526.

Klebsiella ozaene,
- rhinitis, clinical aspects, case reports, man 6966

Klebsiella planticola sp.nov.,
- characterization, taxonomy 4713

Klebsiella planticola sp.nov,
- characterization 12266.

Klebsiella pneumoniae,
- aminoglycoside adenylyltransferase, purification, substrate specificity 1485.
- antibacterial activity, aminoglycoside antibiotics 6783.
- antibacterial activity, antibiotic DL 473, in vitro, in vivo 3036.
- antibacterial activity, antibiotic DL473, rifampicin, in vivo, in vitro 4188.
- antibacterial activity, cefadroxil, in vitro 354.
- antibacterial activity, cefotiam 2191.
- antibacterial activity, cefotiam 6800.
- antibacterial activity, moxalactam, cefotaxime, thienamycin, cefsulodin 4166.
- antibiotic resistance, relationship R factors 5027.
- antigen-antibody complexes, obesity, treatment, association, glomerulonephritis, vasculitis, immune complex diseases, man 7942.
- antigenic relationship, vitreous humor, rabbits 522.
- antigenic relationship, vitreous humor, rabbits 523.
- association, plasmids, plasmid RP4, Escherichia coli, transfer chromosomes 5885.
- p-azidobenzoyl coenzyme A photoaffinity labelling citrate (pro-3S)-lyase 11196.
- bacteremia, association, breast milk contamination, man, neonates, hospitals 10538.
- bacteremia, muramyl dipeptide, immunostimulation, mice, animal models 10520.
- bactericidal activity, amoxicillin, cefaclor 6812.
- baths, effects on colonization, hospitals, man 7112.
- biosynthesis, penicillinase, inhibition, sulbactam, antibiotic synergism, mice 361.
- blood, infection, man, peritoneovenous shunts, dental manipulation, relationship, Streptococcus 13351.
- cefmetazole antibacterial activity, infants, man 1710.
- cis-N6-(4-hydroxy-isopentenyl)-2-methylthioadenosine identification, tRNA 12534.
- clinical isolates, antibacterial activity, ceftazidime 5066.
- Clinical isolates, trimethoprim drug resistance 10061.
- cloning, nitrogenase complementation, nif gene, role, Rhizobium nitrogen fixation 8688.
- colonization, intestine, Passeriformes, Psittaciformes 2360.
- cross-reaction, histocompatibility antigen HLA, ankylosing spondylitis, etiology, man 538
- cross-reactivity, lymphocytes+histocompatibility antigen HLA B27 determinant, role, uveitis, man 10186.
- effects on γ radiation mortality, gnotobiotics, mice 10726.
- Escherichia coli, R factor RP4, transfer 12865.
- experimental infection, immunological enhancement, staphage lysage, mice 3188.
- experimental infection, mezlocillin treatment, mice 13261.
- experimental infection mice guinea-pigs, aerodin treatment, effects on immune response 6180
- experimental infection, prostatitis, pathology, Mastomys natalensis, females 2074
- experimental infection treatment, mice 11931
- R factors, cephalosporins antibiotic resistance, membrane permeability 6750.
- genes, cloning nif gene, use, Saccharomyces cerevisiae 1605.
- gln gene regulation nitrogen metabolism, glutamine auxotrophy 9832.
- glycerol dehydratase, carbon sources, glycerol, growth 8623.
- his genes, gene expression, effects on, nitrogen fixation 8704.
- homology, nif gene, Rhizobium meliloti 5833.
- in vitro antibacterial activity, temocillin, comparison, cefazolin 9943.
- infection, amikacin+antisera treatment, mice 5253.
- infection, Boophilus decoloratus, isolation 7293.
- infection, cefoperazone treatment, man 10608.
- infection, infants, man, synthetic artery 11877.
- infection, man, antibacterial activity, cefotaxime 9208
- infection, man, antibacterial activity, ceftriaxone 9216.
- infection, netilmicin treatment, man 10617.
- infection, prophylaxis, cancer patients, children, man 4464.
- infection, sheep erythrocytes, polysaccharides, effects on, antibody response 11626.
- infection, treatment, antibiotic 6059-S, children 1752.
- infection, treatment, ceftazidime, man 5441.
- infection, treatment, moxalactam, man 7188
- infection, treatment, thiolactomycin, mice 8049.
- killing, N plasmid, antibiotic resistance, conjugation, Escherichia coli 2909
- Maclura pomifera fruits extracts antibacterial activity 450.
- man, liver abscesses, treatment 8061.
- meningitis, cefoperazone treatment, man, case reports 10429.
- meningitis, treatment, moxalactam, man 887.
- mezlocillin+metronidazole antibacterial activity, aerobic conditions 8780.
- microbiocidal activity formaldehyde aerosols 11451.
- mixed culture, Rhodospirillum rubrum, immobilized cells, hydrogen production 236.
- mutants, mecillinam effects on cell walls elongation, relationship, DNA replication 4172.
- neoplasia, cefuroxim treatment, infection, man 12011.
- nif gene, gene manipulation, nitrogen fixation, plants 2475.
- nif gene regulation, nitrogen fixation 9831.
- nitrate transport kinetics 5665.
- nitrogen fixation, enumeration, rhizosphere, Graminae 3685.
- nitrogen, metabolism, derepression, histidine ammonia-lyase, succinate dehydrogenase 12647.
- nitrogen sources, triazine 3713.
- nitrogenase, C.D. 4876.
- nitrogenase, feedback inhibition, ammonium, carbamyl phosphosphate 2808.
- nitrogenase iron protein, amino acid sequence, comparison Azotobacter vinelandii, Clostridium pasteurianum, Anabaena, phylogeny 7534.
- nitrogenase molybdenum-iron protein, ATP role mechanisms 11145.
- nosocomial infection, bacteriocin typing, man 6472.
- nosocomial infection, neonates, man, characterization 11878.
- paronychia, etiology, children 2211.
- penicillinase, inhibition, clavulanic acid 11166.
- pilin, purification, characterization 9699.
- plasmids, antigens biosynthesis, transfer 2930.
- pneumonia, cefoperazone treatment, man 10347.
- polysaccharides, mutants biosynthesis, adjuvanticity, characterization 6052.
- propanediol dehydratase, pyridoxal 5'-phosphate chemical modification, inactivation 4055
- pullulanase, dextran use purification 11173.
- recovery, surfaces, antibacterial activity, Thran 7844
- recovery, surfaces, antibacterial activity Thran 7845.
- respiratory tract infection, polypropylene pyrolysis products effects on, rats, mice 3312.

Klebsiella pneumoniae, (continued)
ribosomes, antigenicity, mice 620
ribosomes, carbohydrate composition, lipid composition 1444
ribosomes, ribosomal proteins, antigenicity 6117
saliva effects on adherence, oral cavity epithelium, man 10967
sepsis, association, appendicitis, man, case reports 7128
septicemia, netilmicin, antibacterial activity, man 7113.
septicemia, nosocomial infection, Epidemiology, man 1042
soil isolates, chloramphenicol antibiotic resistance 12923.
taxonomy, phenotypes, proteins, beer isolates 80
transcription, nif gene, nitrogen fixation 4794.
ultrastructure, cefotiam, cefazolin, antibacterial activity, in vitro, in vivo 336.
vaccines, antigenic relationship, ribosomes, polysaccharides 3244
xylose, metabolism 1392

Klebsiella-Enterobacter,
clinical isolates, antibacterial activity, gentamicin, sisomicin, aminosidine, rifamycin 1706.

Kluyvera,
role, diarrhea, man 3368

Knee,
arthritis, Kingella kingae, man, case reports 990.
osteomyelitis, association, arthritis, Staphylococcus, man, case reports 3493.
rheumatoid arthritis, Mycobacterium terrae, pathogenicity, case reports, man 7095.

Koji,
rice, bacteria± Aspergillus oryzae culture 124

Korea,
gonorrhea, man, incidence 13244

Kurthia zopfii,
strains, morphology, electron microscopy, growth 10954

Kuwait,
catheters, bacteria colonization, association neonates man 6295
Salmonella occurrence, Rattus norvegicus, association enteritis, man, surveys 6211.
seawater, coliforms, antibiotic resistance 7830

Labelling,
Actinomyces viscosus, immunoelectron microscopy, methodology, characterization 11532.
fluorescence, Pseudomonas aeruginosa, relationship, pyocin effects on membrane permeability 8786
fluorescence, ribosomal protein L7/L12, ribosomal protein L10, Escherichia coli 7516.
immunoperoxidase test, Anaplasma marginale, association, Dermacentor andersoni 8901

Labidura riparia,
eggs, hygiene, effects on maternal behavior 2390

Laboratories,
bacteriology, data processing, computer applications, hospitals 2572.
Czechoslovakia, incidence, yersiniosis, Yersinia enterocolitica 10357.
diagnosis, botulism, use, feces, man 8015
identification, Neisseria gonorrhoeae clinical isolates 3782.
man, association, Neisseria meningitidis meningitis 8018
occupational exposure, infection, incidence, man, British Isles 941.

Laboratory animals,
armadillos, Mycobacterium leprae, gnotobiotics (specific pathogen free) 3648
breeding, bacteriology 13373
central nervous system, incidence, Mycoplasma 3569
Clostridium butyricum, pathogenicity, cytotoxicity, characterization 3587
gnotobiotics, intestinal microflora role nutrition 9376
mice, Mycoplasma pulmonis infection, respiratory tract, genital tract 10689
mice, rats, Mycoplasma pulmonis infection, disease control, vaccination 10271
mice, Salmonella livingstone, salmonellosis, treatment, tetracycline, nosocomial environments 4576
Mustela putorius, colitis, Campylobacter fetus subsp. jejuni 9368.
occupational exposure, disease transmission, epidemiology, leptospirosis, man 10471
rats, Tyzzer's disease, immunodiagnosis, complement fixation 3575

Lachnospira multiparus,
Eubacterium limosum, mixed culture, pectin, metabolism, hydrogen transfer 2637
pectin fermentation, media (culture) 9652.

Lactalbumin,
salmonellosis, immune response (humoral), phenylalanine, deficiency, lactalbumin, diets, mice 3212.

Lactaldehyde reductase (NADPH),
immobilized enzymes, Neisseria gonorrhoeae detection, antibodies, U.V. radiation fluorescence 9805

β-Lactam antibiotics,
Agrobacterium radiobacter, isolation, production, biological properties 7738.
Agrobacterium radiobacter, production, isolation, characterization 7740
+aminoglycoside antibiotics, treatment, Pseudomonas aeruginosa infection, man, reviews 11897
antibacterial activity, anaerobic bacteria, comparison, ceftriaxone 9945
antibacterial activity, antibiotic resistance, Bacteroides clinical isolates 11402.
antibacterial activity, bacteria, viability, role, adherence, surfaces 3026.
antibacterial activity, Bacteroides fragilis, in vitro 1712.
antibacterial activity, Chlamydia trachomatis 6806
antibacterial activity, clinical isolates, Pseudomonas aeruginosa 5080
antibacterial activity, clinical isolates, Staphylococcus aureus, Enterobacteriaceae, Pseudomonas 8779.
antibacterial activity, comparison, ceftazidime, aminoglycoside antibiotics, cephalosporins, clinical isolates, gram-negative bacteria 5071.
antibacterial activity, comparison ceftazidime, antibiotic resistance, role penicillinase 5067.
antibacterial activity, comparison ceftazidime, ceftriaxone, clinical isolates, gram-negative bacteria, gram-positive bacteria 5072.
antibacterial activity, comparison, ceftazidime, gentamicin, gram-negative bacteria, gram-positive bacteria, experimental infection, mice 5438.
antibacterial activity, comparison ceftazidime, gram-negative bacteria, gram-positive bacteria, Haemophilus influenzae 5073.
antibacterial activity, dose-response effects, conferences 13540.
antibacterial activity, Enterobacteriaceae 7780.

β-Lactam antibiotics, (continued)
antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa, characterization 8761
antibacterial activity, erythromycin, respiratory tract bacteria, man 805.
antibacterial activity, Escherichia coli, Streptococcus faecalis 12903.
antibacterial activity, Haemophilus influenzae, Haemophilus parainfluenzae 9942.
antibacterial activity, in vitro, Chlamydia trachomatis 9950
antibacterial activity, kinetics 12890
antibacterial activity, Legionella micdadei, in vitro 9932.
antibacterial activity, Myxococcus xanthus, cell walls, spore germination 2587.
antibacterial activity, Neisseria gonorrhoeae, isolates, pelvic inflammatory disease 390
antibacterial activity, Neisseria meningitidis, characterization 8765.
antibacterial activity, penicillinase inhibitors 7819.
antibacterial activity, Pseudomonas aeruginosa 3028.
antibacterial activity, Pseudomonas aeruginosa 6797.
antibacterial activity, Pseudomonas aeruginosa 6811.
antibacterial activity, Pseudomonas aeruginosa, turbidity measurements 3024.
antibacterial activity, Staphylococcus aureus 6803.
antibacterial activity, structure-activity relationships 322.
antibacterial activity, structure-activity relationships, antibacterial agents, Pseudomonas aeruginosa 3013.
antibacterial activity, Yersinia enterocolitica, temperature, effects on 7790.
antibacterial activity, 6β-iodopenicillanic acid, inhibition, penicillinase, effects on 3046
+antibiotic FR-31564, antibiotic synergism, antibacterial activity, gram-negative bacteria 2997.
antibiotic MK0787 comparison, antibacterial activity, β-lactam antibiotics, Staphylococcus aureus, Pseudomonas aeruginosa, Bacteroides fragilis, Enterobacteriaceae, Acinetobacter, Serratia 7783.
antibiotic resistance, bacteria, plasmids, penicillinase, membrane permeability 5941.
antibiotic resistance, Enterobacter cloacae, Enterobacter aerogenes, penicillinase, role 7835.
antibiotic resistance, Enterobacteriaceae 5958.
antibiotic resistance, gram-negative bacteria, penicillinase, periplasmic space, membrane permeability 10015
antibiotic resistance, Neisseria gonorrhoeae, role peptidoglycans 8810
antibiotic resistance, penicillin-binding protein, bacteria 5940.
antibiotic resistance, Peptococcaceae 11439.
antibiotic resistance, Pseudomonas aeruginosa, penicillin-binding proteins characterization, detection, cystic fibrosis, man 382.
antibiotic resistance, Pseudomonas aeruginosa, penicillinase, characterization, purification 3055.
antibiotic resistance, Pseudomonas aeruginosa, R factors, penicillinase 11425.
antibiotic resistance, Pseudomonas aeruginosa, relationship membrane permeability 10941
antibiotic resistance, Pseudomonas aeruginosa, role, penicillin-binding protein, penicillinase 5115
antibiotic resistance, Streptococcus pneumoniae, mechanisms 6828.
antibiotic resistance, Streptomyces, role, penicillinase, penicillin-binding protein 3067.
antibiotic sensitivity testing, anaerobic bacteria, clinical isolates, pelvis infection 11407
antibiotic sensitivity testing, clinical isolates, Yersinia enterocolitica, Yersinia pseudotuberculosis 9957
antibiotic sensitivity testing, comparison N-formimidoyl thienamycin, bacteremia clinical isolates 5902.
antibiotic sensitivity testing, Escherichia coli, Proteus mirabilis, Klebsiella 4169
antibiotic sensitivity testing, gram-negative bacilli 11385.
antibiotic sensitivity testing, Mycobacterium fortuitum 6787.
antibiotic sensitivity testing, Pseudomonas aeruginosa, Serratia marcescens, antibiotic synergism 3011.
antibiotic sensitivity testing, Pseudomonas aeruginosa, antibiotic resistance, pencillinase 3029.
antibiotic sensitivity testing, Salmonella 9931.
antibiotic sensitivity testing, Streptococcus group B 355.
antibiotic sensitivity testing, Streptococcus pneumoniae, clinical isolates, association, penicillin, antibiotic resistance 3012.
antibiotic sensitivity testing, Streptococcus thermophilus, Lactobacillus bulgaricus 4189
antibiotic SQ 26,180, Chromobacterium violaceum, biosynthesis, antibacterial activity 7727.
antibiotic SQ 26,180, structure 7736.
antibiotic SQ 27,860, isolation, Serratia, Erwinia, characterization 11345.
antibiotic synergism, cefoxitin, antibacterial activity, Enterobacteriaceae 362.
antibiotic tolerance, penicillinase, screening 12933.
association penicillin-binding protein, +autolysins 5921.
association, Pseudomonas aeruginosa, membrane permeability, peptidoglycans, biosynthesis 398
biosynthesis, bacteria, pathogens, antibiotic resistance, reviews 4194.
biosynthesis, Chromobacterium violaceum, Acetobacter, Agrobacterium radiobacter, radioactive labelling 8754.
+cefsulodine, antibacterial activity, antibiotic sensitivity testing, antibiotic synergism, Serratia marcescens 3018.
characterization, pathogens bacteria, resistance mechanisms, reviews 5918.
comparison, cefotetan, clinical isolates 5926.
comparison, moxalactam, antibacterial activity, Enterobacteriaceae, clinical isolates 7791.
comparison, N-formimidoyl thienamycin, antibacterial activity 9962.
comparison, norfloxacin, antibacterial activity, bacteria, clinical isolates 8822
comparison, norfloxacin, antibacterial activity, gram-negative bacteria, gram-positive bacteria 8825.
competition, penicillin-binding protein, Neisseria gonorrhoeae 3025.
derivatives, penicillinase effects on stability 5920.
effects on Escherichia coli growth 1714.
effects on, microflora, colonization, mouth, colon, throat, man 10282.
effects on, Neisseria gonorrhoeae, peptidoglycans biosynthesis, susceptibility, proteinase 1565
effects on thymidine incorporation, Escherichia coli, Proteus mirabilis, Staphylococcus aureus 5101
Enterobacter cloacae, antibiotic resistance 12919.
fortimicin A, antibiotic synergism, antibacterial activity, Pseudomonas aeruginosa 343.

β-Lactam antibiotics, (continued)
  Haemophilus influenzae, antibiotic sensitivity testing, susceptibility, role, penicillinase 3009.
  hydrolysis, penicillinase, detection methodology. use, Escherichia coli 2788.
  inactivation, penicillinase, antibacterial activity, gram-negative bacteria, screening 3017.
  inhibition penicillinase, Staphylococcus 11400.
  interaction, Bacillus megaterium, penicillin-binding protein 11126.
  interaction penicillinase, effects on bonding 12584.
  interaction, penicillinase, gram-negative bacteria 9913.
  +β-lactamase inhibitors, antibacterial activity 5979.
  lincomycin combination, antibacterial activity, Staphylococcus aureus, Streptococcus group D, Escherichia coli 7764.
  membrane permeability, Serratia marcescens, role, R factors 5889.
  penetration, membranes proteins, Escherichia coli, Proteus mirabilis, Enterobacter cloacae 10964
  production, correlation penicillin-binding protein, Streptomyces 6600.
  Pseudomonas aeruginosa, antibacterial activity, cystic fibrosis, man, in vitro 1703.
  Pseudomonas aeruginosa, drug resistance, role, chromosome aberrations, gene mapping 10057.
  resistance, penicillinase, bacteria 11431.
  resistance, Streptococcus faecium, role, cell membranes proteins 9990.
  sensitivity, Bacteroides, penicillinase, biosynthesis 1709.
  stability, dipeptidase 11353.
  stability, penicillinase, gram-negative bacteria 9955.
  Staphylococcus aureus, antibiotic resistance 400.
  Streptomyces, Nocardia, biosynthesis, screening, reviews 8746.
  structure, antibacterial activity, reviews 405.
  structure-activity relationships, antibacterial activity 3021.
  synergism, fosmidomycin, antibacterial activity, Enterobacteriaceae 11391.
  treatment, bacteria infection, side effects, man, case surveys 9314.
  treatment, Enterobacteriaceae meningitis, pharmacokinetics, rabbits 7066.
  treatment, meningitis, Haemophilus influenzae, Streptococcus pneumoniae, animal models 7073.
  treatment, Proteus morganii experimental infection, association, penicillinase production, animal models 7150.
β-Lactamase,
  inhibition, bacteria, penicillins treatment, antibacterial activity 12605.
  inhibitors, association, antibiotic resistance, bacteria, medical importance 12929
β-Lactamase inhibitors,
  +β-lactam antibiotics, antibacterial activity 5979.
Lactate,
  biosynthesis, Streptococcus cremoris, Streptococcus lactis 216
  blood, Escherichia coli, endotoxins, rats 3137.
  content, cerebrospinal fluid, association, diagnosis, meningitis, man 11836.
  levels, ascites cells, diagnosis, peritonitis, man 13312.
  metabolism, Veillonella 4954
  Propionibacterium shermanii, mixed culture, Lactobacillus acidophilus, commensalism, growth rate 10762.
L-Lactate,
  protons antiport, membrane vesicles, Streptococcus cremoris 6503
Lactate dehydrogenase,
  activity, cerebrospinal fluid, meningitis, Mycobacterium tuberculosis, children 8016.
  Bacillus stearothermophilus, crystallization 3999.
  cerebrospinal fluid levels, diagnosis, meningitis, man 2113.
  Desulfovibrio desulfuricans, inhibition, bactericides, isothiazolone, 2-mercaptobenzothiazole 8835.
  isoenzymes, urine levels, use, diagnosis, urinary tract infection, man 11819.
  Lactobacillus casei, enzymatic activity, deuterium oxide effects on 3087.
  skeletal muscle, bacteria, mycoplasma, infection, effects on, man 7221.
  use, microorganisms fermentation detection 12386.
D-Lactate dehydrogenase,
  activation, phospholipids effects on, plasma membranes, Escherichia coli 4917.
  activity, Escherichia coli, association, plasmid pIY2 characterization 8735.
  biosynthesis, Escherichia coli, in vitro 8598
  reconstitution, membrane vesicles, Escherichia coli 4730.
D-Lactate dehydrogenase (cytochrome),
  Desulfovibrio vulgaris, purification, characterization, mechanisms 3957
Lactates,
  cerebrospinal fluid levels, diagnosis, meningitis, man 2113.
  growth parameters, metabolism, Desulfovibrio desulfuricans, Desulfovibrio gigas, Desulfovibrio africanus, comparison, calorimetry, pyruvates, growth parameters, metabolism, Desulfovibrio desulfuricans, Desulfovibrio gigas, Desulfovibrio africanus, comparison, calor 6539.
  levels, cerebrospinal fluid, man, meningitis diagnosis 8019.
Lactation,
  growth associaton, Streptococcus agalactiae 7475.
  time, man, effects on, breast milk, immunological aspects 8959.
Lactic acid,
  acidosis, diagnosis, treatment, microflora, case reports, gastrointestinal tract, man 13070.
  cerebrospinal fluid, meningitis, bacteria, role, diagnosis, man, case reports 2129.
  Escherichia coli, secretion, pumps, potassium transport 6502.
  Lactobacillus casei, biosynthesis, deuterium oxide effects on 3087.
  Pediococcus pentosaceus, biosynthesis, continuous culture 9791
  production, Streptococcus lactis, cyclic AMP, effects on 1556
  synovial fluid, bacteria, arthritis, diagnosis, man 2325
  utilization, bacteria, incidence, association, pH 10985.
Lactic acid bacteria,
  antagonism, food spoilage microorganisms, association, cold storage 13458.
  2,3-butanedione, antimicrobial activity 11462.
  citrate, induction, citrate lyase, acetolactate synthase, acetoin dehydrogenase, acetoin 2667
  colonization, rats, gastrointestinal tract infection 9375
  detection, growth factors, media (culture) 1266.
  fermentation, Lactobacillus, identification, bibliographies 8247.
  genetics, plasmids, genetic engineering, proteinase, cheese production, reviews 4112.
  growth, media (culture), use, cabbage juices 4673.
  intestinal microflora, species composition, chickens 13359
  media (selective) 5
  Streptococcus, U.V radiation effects on growth, phages production 1652
Lactic acid bacteria, (continued)
  Streptococcus, plasmids, characterization 1670.
  uranium solubilization, phosphorite 10948.
Lactobacillins,
  treatment, bacteria infection, man 13305.
Lactobacillus,
  adherence, vagina epithelium cells in vitro 4721.
  animal isolates, growth promoters effects on 3095.
  antagonism, Escherichia coli, digestive tract, sheep, gnotobiotics (germfree) 1125.
  antibacterial activity, ceftizoxime, cefoperazone, cefoxitin, comparison, in vitro 3005.
  association urethal syndrome, man 13193.
  auxotrophs, mutants, amino acids biosynthesis, nutrient requirements, genetic analysis 1477.
  beer, biodeterioration, taxonomy 9548.
  biodegradation, N-nitrosamines 132.
  clinical isolates, antibacterial activity, ceftazidime 5078.
  competition, Salmonella paratyphi, crop, cecum, chickens 6328.
  dental plaque, rats, trace elements, drinking water, effects on 732.
  enumeration, saliva, man, methodology 4675.
  fermentation, identification, bibliographies 8247.
  growth, media (culture), use, cabbage juices 4673.
  identification, computer applications, beef, contamination 6477.
  identification, isolation, stomach, milk, sheep, cheese 9549.
  incidence, saliva, man, pH, saliva flow rate, relationship 4355.
  incidence, vagina, man 3375.
  intestinal microflora, bowel, children, cefotiam, effects on 1918.
  intestinal microflora characterization, rabbits 6325.
  intestinal microflora, gnotobiotics, neonates, establishment, maternal transfer, diets, fatty acid composition, effects on 1123.
  intestinal microflora, role gastroenteritis, man 13171.
  isolation, characterization, astronauts, USSR 1919.
  isolation, milk, temperature effects on 9621.
  isolation, rumen, sheep 5451.
  isolation, wine, methodology 1253.
  man, indican urine excretion, Lactobacillus casei oral administration effects on 7227.
  man, space flight, antibiotic sensitivity testing 7841.
  microflora, digestive tract, diarrhea, clinical aspects, case reports, magnesium sulfate treatment, dogs 10643.
  movement rates, small intestine epithelium, gnotobiotics (germfree) cells effects on, mice 10724.
  oral infection, man, antibiotics treatment 10305.
  oral microflora, dental caries, nursing bottles, infants, man 13096.
  penicillins, antibiotic resistance, autolysis enzymes role 6826.
  phosphate, leaching, characterization 12367.
  plasmids detection 2936.
  saliva, dental plaque, chlorhexidine effects on, man 728.
  superoxide dismutase activity, characterization 8558.
  yeasts, mixed culture, sourdough fermentation 11020.
Lactobacillus acidophilus,
  animal isolates, growth promoters effects on 3095.
  bacteriocins, purification, characterization 11343.
  colonial characteristics, bile sensitivity, freezing, effects on 2628.
  cytokinins, biosynthesis 1578.
  effects on, energy, proteins, retention, gnotobiotics, chickens 2398.
  fermentation, food processing wastes, effects on, gram-negative bacteria, pathogens, viability 2647.
  fermentation, food processing wastes, effects on, gram-positive bacteria, pathogens, viability 2648.
  food additives, effects on, eggs, egg production, intestinal microflora, chickens 2327.
  mixed culture, Propionibacterium shermanii, commensalism, growth rate, glucose, lactate 10762.
  oral administration indican urine excretion, gnotobiotics, rats 7227.
  plasmids detection 2936.
  treatment, vagina discharges, pH effects, man 3388.
Lactobacillus animalis sp.nov.,
  biological properties 12267.
Lactobacillus brevis,
  aryl-peptidyl amidase, purification, characterization 5789.
  elongation factor Tu, GTP binding, interaction kirromycin, pulvomycin 11128.
  plasmids detection 2936.
  spirosomes, purification, characterization 5627.
Lactobacillus buchneri,
  arginine metabolism, arginine deiminase 1512.
  cell walls, subunits, proteins, arrangement, characterization 1364.
  ornithine carbomyltransferase, enzymatic activity, arginine, catabolism 3951.
Lactobacillus bulgaricus,
  acid production, growth factors effects on 12693.
  adherence, surfaces, dairy industry 79.
  ammonium lactate fermentation, dialysis, mathematical models 13.
  antibiotic sensitivity testing, aminoglycoside antibiotics. β-lactam antibiotics, tetracyclines 4189.
  β-D-galactosidase, immobilized enzymes, characterization 196.
  mutants, carbonyl compounds, levels 1627.
  mutants, fatty acids biosynthesis, milk 4953.
  mutants, milk fermentation 7642.
  yogurt, enumeration, use, agar media (culture) 1275.
Lactobacillus casei,
  amidase, ribosomes, purification, characterization 4937.
  dental caries, gnotobiotics (germ-free), rats, xylitol, palatinit, sucrose, diets, effects on 3649.
  effects on, Aspergillus parasiticus, growth, aflatoxins biosynthesis 2422.
  effects on intestine, gnotobiotics (germfree) 1122.
  D-glucosamine, inactivation, phage PL-1 11298.
  growth, folic acid effects on 7850.
  growth, lactic acid biosynthesis, lactate dehydrogenase enzymatic activity, deuterium oxide effects on 3087
  inhibition, triazines, tetrahydrofolate dehydrogenase 6646.
  mutants, carbonyl compounds, levels 1627.
  mutants, fatty acids biosynthesis, milk 4953.
  mutants, milk fermentation 7642.
  oral administration indican urine excretion, gnotobiotics, rats 7227.
  phage PL-1 adsorption, receptors antigenic determinants 12824

Lactobacillus casei, (continued)
plasmids detection 2936
tetrahydrofolate dehydrogenase binding tetrahydrofolate dehydrogenase genes DNA, folinic acid modulation 6659
tetrahydrofolate dehydrogenase, chemical modification 4887
tetrahydrofolate dehydrogenase, complex, NADP$^+$, N.M.R 7553
tetrahydrofolate dehydrogenase, DNA binding 4014
thymidylate synthase, active sites, N M.R. 9737
thymidylate synthase fluorodeoxyuridylate complex, binding methylentetrahydrofolate polyglutamates 4022
thymidylate synthase, 5-nitro-2'deoxyuridine 5'-phosphate inhibition, mechanisms 4938.
trimethoprim binding tetrahydrofolate dehydrogenase, N.M.R. 5748
virulence, colonization, dental caries, gnotobiotics, rats 1124
Lactobacillus casei subsp.rhamnosus,
respiratory tract infection, case reports, man 7977
Lactobacillus coryneformis,
plasmids detection 2936
Lactobacillus curvatus,
RNA polymerase subunits role promoters selection 11132
Lactobacillus delbrueckii,
cell culture, adaptability, temperature effects on 7425
Lactobacillus fermenti,
aryl-peptidyl amidase, purification, characterization 5789
Lactobacillus fermentum,
ecology, intestine, man 1922
effects on, energy, proteins, retention, gnotobiotics, chickens 2398.
identification, isolation, stomach, milk, sheep, cheese 9549
lipoteichoic acids, hypersensitivity (immediate), antigen-antibody complexes, rabbits 4278
microflora, stomach, rats, erythrosine, antibacterial activity 6322
Lactobacillus helveticus,
plasmids detection 2936
Lactobacillus jugurti,
bacteriocin typing, antibacterial activity 12871
Lactobacillus lactis,
hydrogen peroxide production, isolation, cattle gut 8648
phage LL-H, tris inactivation DNA injection, factors affecting 7677.
proteins, characterization 3922
Lactobacillus leichmannii,
ribonucleoside triphosphate reductase, hydrogen bonds, mechanisms 8602.
Lactobacillus malii,
ATP levels, sulfite, effects on 239
Lactobacillus plantarum,
adjuvanticity, immune response, activation, natural killer cells, mice 10221
antibacterial activity, oregano extracts 5140.
cell walls teichoic acids characterization, chemostats culture 11230
food isolates, potassium sorbate + acids, effects on, in vitro 3082
identification, isolation, stomach, milk, sheep, cheese 9549
oral administration indican urine excretion, gnotobiotics, rats 7227
Lactobacillus reuteri,
identification, isolation, stomach, milk, sheep, cheese 9549
plasmids detection 2936.
Lactobacillus salivarius,
bacteriocin typing, antibacterial activity 12871.
effects on, energy, proteins, retention, gnotobiotics, chickens 2398
oral administration indican urine excretion, gnotobiotics, rats 7227
Lactobacillus sp.nov,
characterization 12266
Lactobacillus viridescens,
rRNA 5S nucleotide sequence 9692
Lactobacillus xylosus,
12-ketochendeoxycholic acid production 11249.
Lactoferrin,
association, immunoglobulin A, bacteriostasis, Escherichia coli, Pseudomonas aeruginosa 6099
breast milk immunological aspects, man, lactation time effects on 8959
Lactogen,
levels, sheep, Chlamydia psittaci experimental infection, pregnancy 1081
Lactose,
cariogenicity, dental caries, animal models 3306
Escherichia coli, transport, protons, stoichiometry 2591.
fermentation, Salmonella infantis, plasmid pNO10 characterization 1666.
metabolism, Streptococcus thermophilus, growth 12468
Salmonella clinical isolates, metabolism, plasmids, conjugation 9868
transport, Escherichia coli, inhibition, procaine 1341
transport, kinetics, Escherichia coli 8374.
transport, pH effects on kinetics, role lactose permease, Escherichia coli 3813
uptake, relationship, fatty acid composition, Pseudomonas, Vibrio 8421.
Lactose permease,
activity, Escherichia coli, association phosphoenolpyruvate-fructose phosphotransferase systems 12646.
role lactose transport, pH, effects on kinetics, Escherichia coli 3813.
Lactose transport,
relationship membrane potential, Escherichia coli 9594
relationship membrane potential, Escherichia coli 9595.
Lactuca sativa,
acid phosphatase activity, Arthrobacter hormones effects on 8650.
Bremia lactucae infection, virulence, USA, New York 13450.
Spiroplasma infection morphology, scanning electron microscopy 8150
Lactulose,
fermentation, intestinal microflora, isolates, characterization 9613.
treatment, shigellosis, man 837.
Lagoons,
Italy, enumeration, bacterioplankton, Protozoa, pollution, effects on 7340.
Lakes,
algae, phototrophic bacteria, ecosystem dynamics, ecological distribution 8229.
bacteria isolates, metabolism, growth, carbon sources 2640.
bacteria, organic matter, production, biodegradation 13507.
bacteria, species composition, community composition, seasonal variations 9494.
bacteria, species composition, pollution effects 8221.
bacteria, sulfate reduction, sediments, water, seasonal variations, temperature effects 3738
biogeochemistry cycles, phytoplankton primary production, bacteria, seasonal variations 8235.
brackish water, Vibrio parahaemolyticus, Vibrio alginolyticus, survival 8242.

Lakes, (continued)
British Isles, filamentous microorganisms, sediments, distribution 2487.
British Isles, filamentous microorganisms, sediments, enumeration, seasonal variations 2488.
British Isles, nitrogen-fixing bacteria, nitrogen fixation, sewage effects on 1243.
carbon mineralization, photoytophic bacteria biosynthesis 3736.
environmental changes, volcanoes, effects on population levels, heterotrophic bacteria, USA, Washington, mountains 12155.
eutrophic environment, metabolism, organic compounds, biodegradation, microorganisms 12161.
eutrophic environments, USA, Wisconsin, heterotrophic bacteria, biomass, production 8244.
eutrophication, urea, levels, bacteria, biodegradation, phytoplankton, seasonal variations 3743
Finland, eutrophic environment, Actinomycetes, role, odors production 12181.
Finland, heterotrophic bacteria activity, books, conferences 12197.
Finland, heterotrophic bacteria, carbon dioxide assimilation, respiration, winter 12182
France, gram-negative bacteria infection, Perca fluviatilis 5468.
heterotrophic bacteria, carbon uptake, phytoplankton photosynthesis, Sweden 12167.
Hungary, bacterioplankton, population dynamics 7341.
isolates, Chlorobium phaeobacteroides, uptake, metabolism, organic compounds, Israel 2649.
isolates, Escherichia coli, biochemical characteristics, identification 7390.
leaf litter, decomposition 12160
Legionella pneumophila isolation, characterization, serotyping, association, legionellosis, man, Bulgaria 10931
littoral zone, recreation sites, contamination, Clostridium perfringens spores 13511.
Netherlands, surface water, incidence, Listeria monocytogenes 12177.
nitrification, microorganisms, British Isles 7339.
nutrient uptake, metabolism, heterotrophic bacteria, Brazil 12185.
Ochrobium, iron bacteria, ecology, British Isles 3737.
pectin, digestion (anaerobic), Clostridium butyricum, characterization 9626.
recreation sites, microorganisms incidence, indicator species 9486.
sediment composition, nitrogen fixation, bacteria, British Isles 6432.
sediments, bacteria, factors affecting methanogenesis 13526
sediments, bacteria, sulfur inorganic compounds reduction 8226.
South Africa Rep., Potamogeton crispus leaves, epiphytes, bacteria, algae, pathology 13425.
sulfur, cycles, phototrophic bacteria, role 2492.
surface water, microbial pollution, indicator species, bacteria 12178.
USA, Vermont, sediments, bacteria, antibiotic resistance, drug resistance, antibiotics, pollution effects 2462
USSR, bacterioplankton, oxygen uptake 12187.
USSR, incidence, heterotrophic bacteria 12172.
water quality, coliforms contamination, ear infection, swimming, man 8214.
LamB gene protein,
biosynthesis, lipids biosynthesis effects on Escherichia coli 9645.
Escherichia coli, phage λ receptors, purification, characterization 8525.
Escherichia coli, phage λ receptors, sugars transport 8527.
Escherichia coli, structure, physicochemical properties 12555.
phage λ receptors, molecular weight, Escherichia coli, outer membranes 8524.
LamB gene proteins,
Escherichia coli, outer membranes topography, monoclonal antibodies 8526.
phage λ receptors, topography, outer membranes, Escherichia coli 8526.
Lameness,
cattle, role, Chlamydia 2357.
Laminar air flow,
air filtration, association, airborne microorganisms contamination hazards, open heart surgery 12189.
nosocomial environments, antibiotic therapy, prophylaxis, bacteria, infection, leukemia, man 3450
Laminaria pallida,
particulate matter, biodegradation, bacteria 127.
Laminaribiose phosphorylase,
purification, Streptococcus mutans 2749.
Lamoxactam,
antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 12905.
comparison, N-formimidoyl thienamycin, antibacterial activity 9938.
penicillinase stability, antibacterial activity, Enterobacteriaceae 11410.
Lampit,
antibacterial activity, mutagenicity testing, Escherichia coli, Salmonella typhimurium 8695.
Lamprene,
+ rifampicin + dapsone, treatment, leprosy 4362.
Lamprobacter modestohalophilus,
sulfur, metabolism, enzymes 12690
Land disposal,
pigs animal wastes, association, survival, Salmonella havana, feces coliforms 2459.
Land managment,
soil pollution, relationship, feces bacteria 8202.
Land reclamation,
soil, nutrient status, nitrogen fixation, nodules, Leucaena leucocephala, Tanzania 12144
Landfills,
leachates, biodegradation, γ radiation effects on 8400.
soil, methane, methanol oxidation methylotrophic bacteria, indicator species 3696
Langerhans cells,
skin, role, immune response, bacteria antigens, guinea-pigs 10190.
Lanthanum,
inhibition, Escherichia coli enterotoxins induction, intestine secretion, mice 5173.
Laparoscopy,
perihepatitis, Chlamydia trachomatis, case reports, man 12013.
Laparotomy,
rabbits, Staphylococcus aureus postoperative infection, pathogenesis, surgery comparison surgical diathermy 13404.
Large intestine,
man, bacteria, fermentation, in vitro 4357.
Rana pipiens, bacteria, association, hibernation 8083
sheep juveniles, carbohydrates fermentation 12039.

Large intestine, (continued)
spirochetosis, man, case reports 2033.
Largomycin,
Streptomyces pluricolorescens, biosynthesis, amino acid sequence, antibacterial activity 12912.
Larus,
Salmonella transmission, incidence serotypes, antibiotic resistance 6473.
Larvae,
bacteria, fungi, contaminants, Heliothis 1130.
Culicidae, biological control, use Bacillus thuringiensis δ-dendotoxin toxicity, stability 12974.
Galleria mellonella, Spiroplasma pathogenicity 4600.
Heliothis armigera, susceptibility, Bacillus thuringiensis 9382.
Insecta, Bacillus thuringiensis, infection, specificity, role, spore crystals, biological control 3653.
oysters, Bacillus thuringiensis subsp.israelensis, pathogenesis 5491.
Penaeus stylirostris, micorflora, Pseudomonas piscicida, Aeromonas formicans, Flavobacterium 8134.
symbiosis, bacteria, Bryozoa 2399.
Larval,
Schistosoma mansoni, infection, association, tuberculosis, immunity (cell mediated), monocytes, man 3225.
Larvicides,
Bacillus sphaericus, activity, temperature effects on, Culex fatigans, Anopheles subpictus 4240.
Laryngitis,
Branhamella catarrhalis isotation, nasopharynx, man 5299.
Larynx,
pathology, Mycoplasma infection, gnotobiotics, rats 11746.
Pseudomonas putrefaciens infection, carcinoma, man 13141.
tuberculosis, presentation, carcinoma, pathology, man, case reports 804
Lasalocid,
effects on rumen microorganisms fermentation 12040.
Lasers,
detection dental caries, man 9082.
photochemistry, cytochrome c oxidase, Bacillus subtilis, Azotobacter vinelandii, Escherichia coli, Pseudomonas putida 2753.
use, dental caries prophylaxis, man 3302.
Latamoxef,
antibacterial activity, Haemophilus influenzae, Haemophilus parainfluenzae 9942.
Latent infection,
Erwinia carotovora subsp.carotovaora, soft rot, post-harvest decay, host-pathogen interactions, Lycopersicon esculentum 3658.
man, lung tuberculosis, role, antiinflammatory agents treatment 11750.
Latex agglutination,
assays, Haemophilus paragallinarum, polysaccharides, detection, chickens 6032.
detection, Escherichia coli enterotoxins 7880.
detection, Haemophilus influenzae antigens, comparison, immunoelectrophoresis 5183.
diagnosis, Anaplasma marginale, infection, cattle 4245.
diagnosis, Haemophilus parahaemolyticus infection, pigs 5188.
diagnosis, infectious diseases, man 8908.
diagnosis, meningitis, man 903.
diagnosis, meningitis, Neisseria meningitidis, Streptococcus pneumoniae, Haemophilus influenzae, man 11838.
diagnosis, Mycoplasma hyopneumoniae, infection, pigs 4244.
identification, Staphylococcus aureus, clinical isolates 3789.
meningitis, , Streptococcus pneumoniae 2110.
Streptococcus group B antigens, identification, neonates man, body fluids 6874.
Streptococcus serotyping 2537.
Latrobacillus,
effects on intestine, gnotobiotics (germfree) 1122.
Laurencia obtusa,
antimicrobial activity, Bacillus subtilis, Phoma tracheiphila, Sicily 1767.
Lauroyltetrapeptide,
immunostimulation, immune response, Listeria monocytogenes, mice 10198.
Lavage,
cells, Haemophilus parahaemolyticus effects on, pigs 1812.
maxillary sinus, Pseudomonas paucimobilis contamination, association, infection, man, hospitals 2015.
Lavendamycin,
Streptomyces lavendulae, production, isolation, characterization 7724
Leachates,
copper, Thiobacillus ferrooxidans, incidence, activity, factors affecting 2438.
landfills, biodegradation, γ radiation effects on 8400.
macrophytes, bacteria aggregation, food chains, protozoa, energy flow 10814.
soil, media (culture), Phytophthora cinnamomi hyphae, bacteria colonization, lysis 3678.
Leaching,
coal sulfur, acidophilic bacteria, thermophilic bacteria 10979.
cobalt sulfide, Thiobacillus ferrooxidans, Thiobacillus thiooxidans 7436.
oil shales, Thiobacillus thiooxidans 118.
phosphate, Aspergillus niger, Penicillium notatum, lactobacillus, characterization 12367.
potassium, phosphorus, mineralization, Achromobacter delicatulus, soils (volcanic) 13489.
Sulfolobus acidocaldarius, sulfur compounds, coal 12388.
sulfur, coal, Sulfolobus acidocaldarius 12371.
Lead,
air pollution effects on, bacteria, microflora, leaves, Pinus nigra 6410.
bacteria resistance, rivers sediments isolates, polluted environments 8860.
bioaccumulation, effects on growth, Sphaerotilus natans 7442.
inhibition, growth, Escherichia coli 11464.
Lead acetate,
interaction endotoxins, lipid peroxidation, mice 11510.
Leaf blight,
Gramineae, Pseudomonas avenae, temperature, light, effects on 9414
Pseudomonas syringae pv.glycinea, Glycine max, disease resistance, immobilization role 13440
Leaf blotch,
Hordeum vulgare, Alternaria alternata, biological control, Streptomyces olivaceus antagonism 5507
Leaf litter,
decomposition, lakes 12160.
decomposition, nutrient dynamics, USA, Great Dismal Swamp 9469.
decomposition, soil microorganisms, altitude effects on, Austria 10772.
Leaf litter, (continued)
decomposition, streams, forests clear cutting 13520.
Eucalyptus marginata, bacteria, lysis, colonization, Phytophthora cinnamomi 1155.
Leaf rust,
Antirrhinum, microflora, association infection, Erwinia herbicola 13426.
Leaf scald,
bacteria, colonial characteristics, Prunus domestica 9551.
Leaf spot,
bacteria, Cucumis melo, symptoms, susceptibility 9400.
Leaf streak,
Xanthamonas translucens f.sp.oryzicola, Xanthomonas oryzae blight, differentiation, immunoelectrophoresis, Oryza sativa 8941.
Leafspot,
association, Pseudomonas syringae, Lycopersicon esculentum, USA, Georgia 2409.
disease resistance, Vigna unguiculata 5494.
Pseudomonas phaseolicola, identification, taxonomy, Pachyrrhizus erosus 1293.
Pseudomonas syringae, disease transmission, soil, air, Cucumis sativa, greenhouses 7299.
Xanthomonas campestris, Setaria italica 12095.
Xanthomonas campestris, strains, albinism, Vitis latifolia 13428.
Xanthomonas phaseoli, disease control, fungicides, antibiotics, Vigna radiata 13454
Leakage,
sucrose, phosphatidylcholine liposomes, Escherichia coli endotoxins effects on 5170.
Leather,
biodegradation, soil Streptomyces 8424.
transmission, anthrax Bacillus anthracis, skin pathology, man 5276.
Leaves,
Acer pseudoplatanus, sulfur air pollution deposition, nutrient sources, Thiobacillus thioparus 7315.
Avena sativa, Triticum aestivum, Hordeum vulgare, symptoms, Pseudomonas infection 5502.
Brassica oleracea, Xanthomonas campestris black rot, wax characterization 5501.
Brinjal, Mycoplasma, infection, biochemical analysis 2420.
chlorosis, Pseudomonas tabaci, toxins, inactivation, glutamine synthetase, wildfire, Nicotiana tabacum 3138.
Citrus, disease resistance, Xanthomonas campestris pv.citri infection 13439
Glycine max, cultivars, seasonal variations, occurence, Pseudomonas syringae pv.glycinea 13436.
Kalanchoe, Agrobacterium tumefaciens tumors induction, osmotic potential 13434.
necrosis, Allium cepa, Erwinia herbicola 10743.
Nicotiana tabacum, proteins, disease resistance role, secondary infection, Pseudomonas syringae± tobacco mosaic virus 8144.
Pinus nigra, microflora, bacteria, heavy metals air pollution effects on 6410.
Piper nigrum, hypersensitive response, Xanthomonas vesicatoria infection, antibacterial agents, induction 1701.
Potamogeton crispus, epiphytes, bacteria, algae, pathology, lakes, South Africa Rep. 13425.
protein composition, Sorghum vulgare, nitrogen soil applications effects on 1221.
Salix alba, Erwinia salicis antigens detection, enzyme-linked immunosorbent assay 8149.
ultrastructure, apples, Erwinia amylovora infection effects on 6403.
Lecithin,
effects on Mycobacterium lepraemurium growth 4761.
media (culture), effects on, growth, Propionibacterium acnes 12389.
Lecithin-cholesterol acyltransferase,
purification, characterizafion, Aeromonas salmonicida 9741.
Lectins,
Actinomyces viscosus, pili, detection, monoclonal antibodies 3169.
binding, Rhizobium japonicum, media, effects on 2428.
carbohydrates binding, Streptomyces 4837.
Carcinoscorpius rotundicauda, use, detection, 2-keto-3-deoxyoctonic acid, Escherichia coli, Salmonella minnesota 11243.
effects on Neisseria gonorrhoeae receptors, erythrocytes, man 1359.
isolation, characterization, Corynebacterium parvum 8924.
like receptors, leukocytes, macrophages, binding, Staphylococcus aureus 4295.
Medicago sativa, binding, lipopolysaccharides, Rhizobium trifolii, role, roots, infection, immunoassays 2630.
plants, interaction, Neisseria gonorrhoeae, lipopolysaccharides, cell surface 2831.
Pseudomonas aeruginosa, interaction, Escherichia coli, blood groups determinants, sugars, hemagglutination 1857.
receptors, alveoli macrophages, Corynebacterium parvum activation effects on, guinea-pigs 9003.
receptors, Escherichia coli pili, sugars specificity 8381.
receptors sites, cell walls, Rhizobium japonicum, localication 7416.
Rhizobium, infection, cell recognition, legumes 2466.
Solanum tuberosum, interaction, Agrobacterium, association, induction, tumors 7301.
Streptomyces, erythrocytes receptors, hemagglutination inhibition assays 5201.
Trifolium repens, roots, role binding, Rhizobium trifolii 13483.
Leg,
osteomyelitis, Mycobacterium fortuitum differential diagnosis, Nocardia asteroides, man, case reports 971.
ulcers, association, sickle cell disease, complement abnormalities, man 691.
Leghemoglobin,
Rhizobium, bacteroids, nitrogen fixation, oxygen, carbon sources, effects on 3694.
Legionella,
antigens, agglutination tests 1865.
characterization, Legionnaire's disease diagnosis, pathology, man 9086.
infection, tetracyclines treatment, man 11942.
isolation, identification, biochemical characteristics, clinical aspects 10895.
Legionnaires' disease, complications, man 4401.
media (culture), methodology 3765.
Pittsburgh pneumonia agent, pneumonia, pathogenesis, antibiotic sensitivity testing, immunocompromised hosts 10339.
pneumonia, diagnosis, clinical aspects, man, books, conferences 10843.
pneumonia, immunodiagnosis, indirect fluorescent antibody test, man 10139.
proteinase, association, protein composition, electrophoresis 11118.
proteinase, peptides substrate specificity 11211.
Legionella bozemanii,
antibiotic sensitivity testing 8758.
antigens, agglutination tests 1865.
pneumonia, taxonomy, aquatic environment, man 6161.

- **Legionella bozemanii, (continued)**
  - proteinase, association, protein composition, electrophoresis 11118
  - toxins, characterization, reviews 5157
- **Legionella bozemannii,**
  - endotoxins, pathogenicity 7889
- **Legionella dumoffi,**
  - pneumonia, immunodiagnosis, indirect fluorescent antibody test, man 10139
- **Legionella dumoffii,**
  - antibiotic sensitivity testing 8758
  - antigens, agglutination tests 1865
  - endotoxins, pathogenicity 7889
  - toxins, characterization, reviews 5157
- **Legionella gormanii,**
  - antibiotic sensitivity testing 8758
  - antigens, agglutination tests 1865
  - endotoxins, pathogenicity 7889
  - pneumonia, immunodiagnosis, indirect fluorescent antibody test, man 10139
  - proteinase, association, protein composition, electrophoresis 11118
  - toxins, characterization, reviews 5157
- **Legionella jordanis sp.nov.,**
  - isolation, rivers, sludge, indirect fluorescent antibody test 3779.
- **Legionella like bacteria,**
  - enzymes, enzymatic activity 2762
- **Legionella longbeachae sp.nov.,**
  - etiology, pneumonia 2007
  - fatty acid composition 2838
- **Legionella longbeachae sp.nov,**
  - characterization 12266
- **Legionella longbeache,**
  - serotypes, characterization 2576
- **Legionella micadei,**
  - pneumonia, diagnosis, clinical aspects, epidemiology, man 10338
- **Legionella micdadei,**
  - antibacterial activity, aminoglycoside antibiotics, β-lactam antibiotics, in vitro 9932
  - antibiotic sensitivity testing 8758
  - antigenic relationship, Legionella pneumophila serotypes, crossed immunoelectrophoresis 4265
  - antigens, agglutination tests 1865
  - endotoxins, pathogenicity 7889
  - growth, cell culture, monkeys, chickens, man 20.
  - isolation, nosocomial environments, association, water 10321
  - man, pneumonia, mixed infection, Legionella pneumophila 9092
  - nosocomial infection, pathogens, new records, man, characterization 10510.
  - Pittsburgh pneumonia agent, nodules, lung, man, case reports 3337
  - pneumonia, immunodiagnosis, indirect fluorescent antibody test, man 10139.
  - pneumonia, pathology, diagnosis, man, reviews 3323
  - pneumonia, treatment, ampicillin, amoxicillin, man, British Isles, case reports 3334
  - pneumonia, treatment, erythromycin, man 4396
  - toxins, characterization, reviews 5157
- **Legionella pneumophila,**
  - antibacterial activity, antibiotic sensitivity testing, media (culture), inoculum, effects on 309
  - antibacterial activity, erythromycin 7798
  - antibiotic sensitivity testing 8758
  - antibodies, detection, agglutination, seroepidemiology, man 6876
  - antibodies, detection, enzyme-linked immunosorbent assay, man 8903
  - antibodies, detection, immunodiffusion, man 4246
  - antibodies, detection, incidence, animals 3189
  - antibody response, immunity, man 7946
  - antibody response, immunoglobulins, immunoglobulin M, man 5241
  - antigens, agglutination tests 1865
  - antigens, heat inactivation, use, diagnosis, infection 8898
  - antigens, identification, use, immunoferritin electron microscopy, association, Legionnaire's disease, man 9002
  - bacteroides, antibacterial activity, use cooling water 8834
  - bronchopulmonary infection, antibiotics treatment, man, reviews 13155
  - clinical isolates, media (selective), antimicrobial agents 1257
  - detection, lung, man, indirect fluorescent antibody test 7914
  - electron transport chain, activity 5682
  - envelopes ultrastructure 12290
  - enzymes, enzymatic activity 2762
  - etiology, pneumonia, man 789
  - etiology, pneumonia, man 3321
  - experimental infection, inflammation, macrophages, leukocytes (neutrophilic), morphology, guinea-pigs 11604
  - fatty acid composition 229.
  - growth, media (culture) 2524
  - immunoglobulin G, seroepidemiology, indirect fluorescent antibody test, Norway, man 11607
  - immunoperoxidase test staining 9528.
  - incidence, pneumonia, children, man, hospitals 4406
  - incidence, respiratory tract, infection, man 3310
  - induction, lymphocyte transformation, blood, man 556
  - infection, association, pleural effusion, man, case reports 11717
  - infection, histopathology, man, guinea-pigs 5419.
  - infection, man, antibody response, serological surveys 7955.
  - interaction, Naegleria lovaniensis, Acanthamoeba royreba, mixed culture, food sources 13460.
  - isolation, lakes, characterization, serotyping, association, legionellosis, man, Bulgaria 10931
  - isolation, surface water, characterization, differentiation, drug resistance 61.
  - Legionnaires' disease, antigens, detection, radioimmunoassay, urine, man 3343.
  - Legionnaires' disease, complications, pneumothorax, man, case reports 3347.
  - Legionnaires' disease, imported diseases, man, case reports, Finland 5297.
  - Legionnaires' disease, man, case reports 5288
  - legionnaires disease, association, erythema multiforme, children, case reports 6994
  - legionnaire's disease, antigens localization brain, neurological complications, man 10426.
  - Legionnaire's disease, association, cerebellum pathology, case reports, man 10342.
  - Legionnaire's disease, association, creatine phosphokinase serum levels, man 9120
  - legionnaire's disease, association, encephalomyelitis, case reports 741.
- **Legionella pneumophila, (continued)**
  - legionnaire's disease, association, heart transplantation, treatment, man, case reports 796.
  - Legionnaire's disease, association, kidney transplantation, treatment, antibody response, man, case reports 9101.
  - legionnaire's disease, association, renal failure, diagnosis, treatment, man, case reports 798.
  - legionnaire's disease, association, Salmonella typhi, antigen O, immune response, case reports, man, Norway 6907
  - Legionnaire's disease, case reports, man 7974.
  - legionnaire's disease, children, case reports, Italy 6989.
  - Legionnaire's disease, clinical aspects, hyponatremia association, man 10329
  - Legionnaire's disease, clinical aspects, serum, diagnosis, man, case reports, France 2005
  - Legionnaire's disease, complications, nephritis, man, case reports 1990.
  - Legionnaire's disease, diagnosis, immunocompromised hosts, children, case reports 1984
  - legionnaire's disease, diagnosis, immunofluorescence, man 740.
  - legionnaire's disease diagnosis, indirect fluorescent antibody test, man 13150.
  - Legionnaire's disease, diagnosis, isolation, characterization, man 11752.
  - legionnaire's disease, diagnosis, man 745.
  - legionnaire's disease, diagnosis, man 6987.
  - Legionnaire's disease, diagnosis, man, case reports, imported diseases, Denmark 1982
  - legionnaire's disease, diagnosis, pathology, man 757.
  - legionnaire's disease, diagnosis, radiography, case reports, man 6189.
  - legionnaire's disease, disease transmission, man 742.
  - Legionnaire's disease, epidemiology, diagnosis, indirect fluorescent antibody test, man, Belgium 9103.
  - legionnaire's disease, epidemiology, diagnosis, man, France 6988.
  - Legionnaire's disease, immunodiagnosis, man 11715.
  - legionnaire's disease, incidence, hospitals, water supplies, man 6975.
  - legionnaire's disease, lung, radiology, man 739.
  - legionnaire's disease, man 13152.
  - Legionnaire's disease, man, case reports 2021.
  - Legionnaire's disease, man, psittacosis, serotyping differential diagnosis 11743.
  - Legionnaire's disease, nosocomial infection, risk factors, epidemiology, man 10354
  - legionnaire's disease, pneumonia, Mycobacterium pneumoniae, diagnosis, counter immunoelectrophoresis, antibodies, serum levels, man 6985.
  - Legionnaire's disease, postoperative, association, immunosuppression, hospitals, man 9119.
  - Legionnaire's disease, recurrent infection, serum diagnosis, man, case reports 2009
  - legionnaire's disease, seroepidemiology, man, USA, Michigan 6984.
  - lipid A characterization 11238.
  - localization methodology, FTC-tagged antibody 7905.
  - macrophages, phagocytosis, opsonins, complement, role 10213.
  - man, Legionnaire's disease, relationship, Mycoplasma pneumoniae, Chlamydia psittaci, antigenic characteristics 10140.
  - man, pneumonia, mixed infection, Legionella micdadei 9092.
  - nosocomial infection, pathogens, new records, man, characterization 10510.
  - outer membranes antigens isolation, antigenic characteristics 6048.
  - pneumonia, association, swimming, case reports, man 6192.
  - pneumonia, cavitation, diagnosis, treatment, man 803.
  - pneumonia, immunocompromised hosts, case reports, Belgium 6174.
  - pneumonia, immunodiagnosis, indirect fluorescent antibody test, man 10139.
  - pneumonia, man, Far East, case reports 4386.
  - pneumonia, pathology, diagnosis, man, reviews 3323.
  - pneumonia, pathology, treatment, man, case reports 3326.
  - pneumonia, taxonomy, aquatic environment, man 6161.
  - pneumonia, transmission, diagnosis, man 3332.
  - pneumonia, water isolates, water supplies, institutions, Australia 3322.
  - Pontiac fever, outbreaks, epidemiology, transmission air conditioning, man 2285.
  - proteinase, association, protein composition, electrophoresis 11118.
  - proteinase, biosynthesis, enzymatic activity, in vitro 198.
  - role, pericardium effusion, Legionnaire's disease, man 10309.
  - seroepidemiology, occupational exposure, legionnaire's disease, man 6996.
  - serotypes, antigenic relationship, Legionella micdadei, crossed immunoelectrophoresis 4265.
  - supernatants cytotoxicity, thermal stability, association, necrosis, mice 11522.
  - susceptibility, antimicrobial agents, in vitro 3086.
  - toxins, characterization, reviews 5157
  - virulence, passage, fibroblasts, man 513.
- **Legionellosis,**
  - association, Legionella pneumophila isolation, lakes, characterization, serotyping, man, Bulgaria 10931.
- **Legionnaires' disease,**
  - antigens, detection, radioimmunoassay, urine, man 3343.
  - complications, man 4401.
  - complications, pneumothorax, man, case reports 3347.
  - imported diseases, man, case reports, Finland 5297.
  - man, case reports 5288
- **Legionnaires disease,**
  - association, erythema multiforme, children, case reports 6994.
- **Legionnaire's disease,**
  - association, cerebellum pathology, case reports, man 10342.
  - association, creatine phosphokinase serum levels, man 9120.
  - association, encephalomyelitis, case reports, man 741.
  - association, heart transplantation, treatment, man, case reports 796.
  - association, immunosuppression, hospitals, man 9119.
  - association, kidney transplantation, treatment, antibody response, man, case reports 9101
  - association, renal failure, diagnosis, treatment, man, case reports 798.
  - association, respiratory distress syndrome, man, case reports 11721.
  - case reports, man 7974
  - children, case reports, Italy 6989.
  - clinical aspects, serum, diagnosis, man, case reports, France 2005.
  - complications, nephritis, man, case reports 1990.
  - conferences, books 10830
  - diagnosis, immunocompromised hosts, children, case reports 1984.
  - diagnosis, immunofluorescence, man 740
  - diagnosis, indirect fluorescent antibody test, man 13150.
  - diagnosis, man 745.
  - diagnosis, man, case reports, imported diseases, Denmark 1982.
  - diagnosis, pathology, Legionella characterization, man 9086.

Legionnaire's disease, (continued)
diagnosis, pathology, man 757
epidemiology, diagnosis, indirect fluorescent antibody test, man, Belgium 9103.
epidemiology, diagnosis, man, France 6988
immunodiagnosis, books, conferences 10830
immunodiagnosis, man 11715.
Legionella pneumophila, association, Salmonella typhi, antigen O, immune response, case reports, man, Norway 6907.
Legionella pneumophila, clinical aspects, hyponatremia association, man 10329
Legionella pneumophila, diagnosis, isolation, characterization, man 11752.
Legionella pneumophila, diagnosis, man 6987.
Legionella pneumophila, diagnosis, radiography, case reports, man 6189.
Legionella pneumophila, incidence, hospitals, water supplies, man 6975.
Legionella pneumophila, pneumonia, Mycobacterium pneumoniae, diagnosis, counter immunoelectrophoresis, antibodies, serum levels, man 6985.
Legionella pneumophila, seroepidemiology, occupational exposure, man 6996.
lung, radiology, man 739.
man 13152.
man, case reports 2021.
man, Legionella pneumophila, relationship, Mycoplasma pneumoniae, Chlamydia psittaci, antigenic characteristics 10140.
neurological complications, Legionella pneumophila, antigens localization brain, man 10426.
nosocomial infection, Legionella pneumophila, risk factors, epidemiology, man 10354
outbreaks, disease transmission, man 742.
pericardium effusion, role, Legionella pneumophila, man 10309.
psittacosis, serotyping differential diagnosis, man 11743.
recurrent infection, serum diagnosis, man, case reports 2009
seroepidemiology, man, USA, Michigan 6984.

Legionnella pneumophila,
Legionnaire's disease, association, respiratory distress syndrome, man, case reports 11721.

Legumes,
nitrogen fixation, measuring techniques 3686.
nodulation, Rhizobium, host-parasite interactions, effects on nitrogen fixation 9471
Rhizobium, infection, lectins, cell recognition 2466
Rhizobium symbiosis, nitrogen fixation, shales 8204

Leguminosae,
cell walls, biodegradation, Rhizobium 5519
nitrogen fixation, Australia 1201.
nodulation, host specificity, Rhizobium 1178.
nodulation, nitrogen fixation, Rhizobium, Thailand 1198.
nodulation susceptibility, Rhizobium 4633.
nodules, onium like compoumds 9466.
Rhizobium, interaction, nodules, microscopy, characterization 6427.
Rhizobium japonicum, inoculum, polyacrylamide, methodology 10786.
Rhizobium nitrogen fixation, Mali 9439.
+Rhizobium, nitrogen fixation technology 10774.
Rhizobium, nodulation, host range 5540.
Rhizobium nodulation isolates, production, applications 1197.
Rhizobium seeds pretreatment, association, germination 10765
Rhizobium, susceptibility, pathogenicity 1193.
Rhizobium, symbiosis, nodulation, cell surface, polysaccharides, reviews 13490.
roots, surface area, association, Rhizobium japonicum, populations 3698.
seeds inoculation, Rhizobium, nitrogen fixation, nodulation 9446

Leiognathus splendens,
symbionts, Photobacterium leiognathi, comparison, gene products superoxide dismutase, coevolution 6323.

Leishmania donovani,
oxygen, role, cell death, association, macrophages 11593.

Lens esculenta,
seed treatments, captan, effects on Rhizobium leguminosarum nodulation, yield 1164

Lepidoptera,
Galleria mellonella, Hyalophora cecropia, immunity (humoral), proteins, antibacterial activity, gram-negative bacteria 3227.

Leprechaunism,
association, defect, leukocytes (neutrophilic) antibacterial activity, children, case reports 2322.

Leprosy,
age association, man, Ethiopia 9078.
antigen-antibody complexes association characterization, man 10214.
antigen-antibody complexes, association, serum, man 1842
association, BCG vaccination, man, case reports 696
association, glomerulonephritis, man, case reports 684.
association, Klebsiella ozaenae septicemia, man, case reports 3526.
association, nerves damage, immunopathology, man 6942
association, pregnancy, dapsone drug resistance development, immunosuppression, man, Mycobacterium leprae 3280.
association, pregnancy, dapsone drug resistance development, immunosuppression, man, Mycobacterium leprae 3280.
association, pregnancy, pathology, man, Ethiopia 3279.
association testis autoimmunity, man 11610
chemotherapy, man, reviews 4361.
classification, clinical aspects, man 10293.
clinical isolates, gram-positive bacteria, cell wall, chemical composition, man 8387.
clinical isolates, identification, Mycobacterium leprae 5585.
clofazimine, treatment, clinical trials, man 1940.
contact dermatitis presentation, man, case reports 11672.
dapsone treatment, effects on haptoglobin 6145.
diagnosis, nephelometry, man 694
diagnosis, role, antigenic relationship, Mycobacterium, Mycobacterium leprae, immunodiffusion 3177
disease spread, mice brain Mycobacterium leprae experimental infection, effects on immunity (cell-mediated) 13413.
effects on, reproductive organs, menstrual cycle, fertility, menopause, man 2087.
effects on, respiratory systems, reflexes, man 1946.
effects on, taste discrimination, man 3278.
epidemiology, association, urban environments, man, India 11670
epidemiology, disease control, man, Indonesia 11669
face, distribution, man, case reports 4363
heart function association, man 11666
hospitals, incidence, Onchocerca volvulus infection, man, Mali 686

Leprosy, (continued)
immune response, antigen-antibody complexes, man 3213.
immune response (cell-mediated), man 6891.
immunity (cell-mediated), clinical manifestations, man 8997.
immunoglobulins levels, breast milk, man 13084.
immunological tolerance, Mycobacterium leprae antigens, role, macrophages, man 5222.
immunopathology, epidemiology, man, international cooperation 11668.
incidence, man, USA 3281.
incidence, Mycobacterium leprae, man, Ethiopia 6940.
incidence, prophylaxis, man, Tanzania 13085.
lymph nodes, cytology, man 701.
man, antigen-antibody complexes, complement C3d relationship erythema nodosum leprosum 10227.
man, association hepatitis B surface antigen, immune response 8962.
man, association kidney lesions 13089.
man, association, lipids, lipoproteins 10297.
man, association syphilis 13092.
man, dapsone drug self-administration, Ethiopia, Mycobacterium leprae 3277.
man, histopathology 13090.
man, incidence, China, People's Rep. 4364.
man, incidence, spermatozoa antibodies 9011.
man, lymphocytes response, mitogens, serum immunosuppressive factors effects on 9073.
man, Mycobacterium leprae clofazimine antibiotic resistance 12936.
man, porphyrins metabolism 10298.
man, relationship small intestine 13088.
man, serum levels, retinol, trace elements 10294.
man, skin microvasculature ultrastructure 13091.
mice, neuropathology, effects on nerves fibers 10716.
mice, rats, etiology, association, Mycobacterium scrofulaceum 10650.
mononuclear phagocytic system ultrastructure, association 8957.
Mycobacterium antigens, suppressor cells, immune response, rosette formation, man 4315.
Mycobacterium association, media (culture), characterization 7368.
Mycobacterium leprae antigen 7 antigenic determinants, antibodies, characterization, man 3240.
Mycobacterium leprae, clinical isolates, antigens, isolation, characterization, man 8947
Mycobacterium leprae, dapsone, drug resistance, diagnosis, treatment, man 6945.
Mycobacterium leprae, diagnosis, nerves, man 4359.
Mycobacterium leprae, distribution, skin, man, body temperature, effects on 3275.
Mycobacterium leprae, immunity (humoral), immunity (cell-mediated), man 6080.
Mycobacterium leprae immunosuppression, man 581.
Mycobacterium leprae, lipids, detection, skin, man 1932.
Mycobacterium leprae lymphocytes transformation, man 898.
Mycobacterium leprae, prophylaxis, People's Republic of China, man 13245.
Mycobacterium leprae, skin, lesions, immunoperoxidase test, man 9018.
Mycobacterium leprae, vaccination, man 3245.
Mycobacterium leprae, xylose absorption, man, clinical aspects 6941.
neuropathology association, man 11673.
pathogenesis, characterization, immune response (cell-mediated), man 11609.
persistent infection, chemotherapy, man, reviews 1941.
platelets, 5-hydroxytryptamine uptake, man 692.
prophylaxis, BCG vaccination, children, Uganda 3241.
relationship, hormones levels, man 700.
relationship, serum levels, antigen-antibody complexes, man 697.
rifampicin treatment, man 13083.
treatment, chloroquine, man 5272.
treatment, dapsone, antagonism, clofazimine, man 11675.
treatment, dapsone, side effects, man, case reports 1925.
treatment, diagnosis, Mycobacterium leprae staining, antigenic characteristics, man, conferences 12199.
treatment, levamisole, man 6150.
treatment, man, reviews 5273.
treatment, rifampicin+lamprene+dapsone, man 4362.

Leptospira,
antibodies, serological surveys, sheep, British Isles 6353.
antigenic characteristics, serotypes characterization 13014.
antigens, identification, experimental infection guinea-pigs, counter immunoelectrophoresis 6878.
catalase activity 3985.
etiology, abortion, cattle 1096.
identification, serological tests, cultural characteristics, clinical aspects 10926.
incidence, Mus musculus, British Isles 9336.
infectin, cell culture, supernatants antitumor activity, hamsters 10500.
infection, Bothrops, Crotalus durissus terrificus, agglutination assays, serological surveys 7252.
infection, diagnosis, incidence, cattle, Bolivia 4554.
infection, epidemiology, Rattus rattus, Rattus norvegicus, New Zealand 3601.
leptospirosis, abortion, cattle 7235.
leptospirosis, association, public health, meat, man 9232.
leptospirosis, association, renal failure, clinical aspects, diagnosis, treatment, man 2315.
leptospirosis, epidemiology, disease control, man, Jamaica 9250.
leptospirosis, epidemiology, wildlife, New Zealand 5472.
leptospirosis, incidence, Mephitis mephitis, USA, Arkansas 5452.
leptospirosis, lung pathology, radiography, man 3350.
leptospirosis, man, case reports, Nepal 2278.
leptospirosis, man, epidemiology, Israel 7205.
leptospirosis, polynephritis, man 8001.
lipopolysaccharides antigens, antibodies, role, immunity, infection, mice 8996.
macrophages, phagocytosis, antibacterial activity, guinea-pigs 3191.
media (culture), colonial characteristics, morphology 9542.
serotypes, animal isolates, antigenic characteristics 11597.
serotypes, envelopes, vaccines, preparation, vaccination, guinea-pigs 11651.
serotypes, isolation, cattle 9339.
serotypes, isolation kidney, dogs 9340.
serotypes vaccines, comparison, immunogenicity, immune response, hamsters, dogs 9044.
strains, leptospirosis, Rattus norvegicus, Rattus rattus, serological surveys, factors affecting, infection 13392.
taxonomy 8306.
TM antigen, inhibition, antisera antibacterial activity 8944.
vaccines, preparation, association, protein-free media, immunogenicity, dogs

Leptospira, (continued)
9046
Weil's disease, shock association, man, case reports 11906
Leptospira andamana,
infection, Bothrops, Crotalus durissus terrificus, agglutination assays, serological surveys 7252.
Leptospira bataviae,
leptospirosis, cattle 1062
Leptospira canicola,
antigenic characteristics role virulence, mice 6884
experimental infection, kidney pathology, pregnancy, hamsters 2076
infection, antigens, seroepidemiology, dogs 2395
leptospirosis, cattle 1062
vaccination, immunity, hamsters 9053
Leptospira copenhageni,
infection, antigens, seroepidemiology, dogs 2395
Leptospira fluminense sp.nov.,
isolation, Akodon arviculoides, Brazil 39
Leptospira grippotyphosa,
leptospirosis, cattle 1062
Leptospira icterohaemorrhagiae,
infection, antigens, seroepidemiology, dogs 2395.
leptospirosis, cattle 1062
leptospirosis, man, plasma exchange 9213.
leptospirosis, pathogenesis, reviews 1078
vaccination, immunity, hamsters 9053
Leptospira interrogans,
antibodies, incidence, levels, pigs, British Isles 602
antibodies serum levels, Bubalus bubalis, association, abortion 10219
dogs, mixed infection, Encephalitozoon cuniculi 8089
experimental infection, neutralization, immunoglobulins fractions, antisera, guinea-pigs 568
isolates, Caribbean Is., check lists 10708
leptospirosis, epidemiology, disease transmission, occupational exposure laboratory animals, man 10471.
leptospirosis, serological surveys, occupational exposure, meat industry, man 13352
lipopolysaccharides antigens, monoclonal antibodies, production, characterization 11537.
seroepidemiology, wildlife, Australia 1100
serum diagnosis, enzyme-linked immunosorbent assay 3164.
vaccination, leptospirosis, cattle 11650
Leptospira interrogans ser. hardjo,
infection, incidence, diagnosis, man, cattle, USA, Florida 2381
Leptospira interrogans ser. pomona,
infection, incidence, diagnosis, man, cattle, USA, Florida 2381
serological surveys, disease transmission, Mephitis mephitis, cattle, Canada 3623
Leptospira interrogans ser.canicola,
antigens, isolation, characterization, antigenicity 8930
experimental infection, antibody response, dogs 595
lipopolysaccharides antigens, monoclonal antibodies, production, characterization 11537.
Leptospira interrogans ser.hardjo,
antibodies, detection, sheep, enzyme-linked immunosorbent assay 3163
antigens, detection, immunoassays 11536.
infection, carriers, cattle 1084
infection, seroepidemiology, cattle, Antilocarpa american, USA, Colorado 8115
+Leptospira interrogans ser.pomona, vaccination, leptospirosis, cattle 11650.
leptospirosis, cattle 9373
leptospirosis, pathology, clinical aspects, cattle, fetuses 7265.
leptospirosis, serology, abortion, cattle 6351.
Leptospira interrogans ser.icterohaemorrhagiae,
experimental infection, antibody response, dogs 595
Leptospira interrogans ser.icterohemorrhagiae,
experimental infection, clinical aspects, blood pathology, dogs 2378
Leptospira interrogans ser.kremastos,
antigens isolation, acids hydrolysis 10161.
lipopolysaccharides antigens, monoclonal antibodies, production, characterization 11537.
Leptospira interrogans ser.pomona,
association, abortion, cattle, isolation, histopathology 12070.
infection, pigs, Mus musculus, role, epidemiology 12076.
+Leptospira interrogans ser.hardjo, leptospirosis, cattle 11650
vaccination, pigs 1950
Leptospira interrogans var. icterohaemorrhagiae,
experimental infection, hemorrhage, dogs 9367.
Leptospira pomona,
leptospirosis, cattle 1062.
leptospirosis, pathogenesis, reviews 1078
Leptospira rio sp.nov.,
isolation, Rattus rattus, Brazil 39.
Leptospira sejroe,
leptospirosis, cattle 1062.
Leptospira tarassovi,
infection, treatment, pigs 4546.
Leptospira var.hardjo,
var. szwajizak, leptospirosis, pathogenesis, cattle 9354
Leptospira wolffii,
leptospirosis, cattle 1062.
Leptospiro,
leptospirosis, immunodiagnosis, man 12998.
Leptospirosis,
abortion, cattle 7235.
abortion, cattle, diagnosis, agglutination 1062.
association, renal failure, clinical aspects, diagnosis, treatment, man 2315
epidemiology, disease control, man, Jamaica 9250.
epidemiology, disease transmission, occupational exposure laboratory animals, man 10471.
epidemiology, wildlife, New Zealand 5472.
immunodiagnosis, man 12998.
incidence, Mephitis mephitis, USA, Arkansas 5452.
kidney, prophylaxis, Leptospira interrogans ser.pomona vaccination, pigs 1950.
leptospira, association, public health, meat, man 9232.
Leptospira interrogans ser.hardjo, cattle 9373.
Leptospira interrogans ser.hardjo, pathology, clinical aspects, cattle, fetuses 7265.
Leptospira interrogans ser.hardjo, serology, abortion, cattle 6351.
Leptospira interrogans, serological surveys, occupational exposure, meat industry, man 13352.
Leptospira interrogans vaccination, cattle 11650.
Leptospira, strains, Rattus norvegicus, Rattus rattus, serological surveys, factors affecting, infection 13392.
Leptospira var.hardjo, var. szwajizak, pathogenesis, cattle 9354.
lung pathology, radiography, man 3350.
man, case reports, Nepal 2278.
man, epidemiology, Israel 7205.
man, plasma exchange 9213.
pathogenesis, reviews 1078.
polynephritis, man 8001
vaccination, immunity, hamsters 9053.
Leptothrix,
sediments, distribution, lakes, British Isles 2487.
Leptotrichia buccalis,
fatty acids, taxonomy relationship 12719
Leptotrombidium akamushi,
Rickettsia tsutsugamushi, infection, man, New Hebrides 1034.
Lepus americanus,
association, Francisella tularensis, antibody response 13039.
Lesions,
association Mycoplasma gallisepticum, experimental infection, chickens respiratory tract 6340.
choroid, association, lung tuberculosis, infants, man, case reports 9123.
development, blight, Xanthomonas phaseoli, Phaseolus vulgaris, sulfur dioxide, effects on 12093.
development, endocarditis, Streptococcus, pigs 8103.
development, syphilis, rabbits 4446.
finger, Neisseria gonorrhoeae, man, case reports 3436.
formation, endotoxin shock, dogs, hydrocortisone effects on 10091.
granuloma, association, Bacillus, case reports, cats 10719.
heart artery, association, tuberculosis, man, case reports 7202.
kidney, man, leprosy 13089.
lung, Mycobacterium flavescens, case reports, man 9104.
lung, sheep, association experimental infection, Ehrlichia phagocytophilia ± Chlamydia psittaci 10699.
man, skin tuberculosis, case reports 11663.
mycoplasmosis, Mycoplasma pulmonis, antibody response, lymphocytes activation, rats 6104.
paratyphoid fever, association, vasculitis, man, case reports 11947.
pathology, pneumonia, Bordetella bronchiseptica, epizootiology, guinea-pigs 10677
skin, infants, man, association, tuberculosis 11899.
skin, leprosy, Mycobacterium leprae, immunoperoxidase test, man 9018.
skin, Pseudomonas aeruginosa, rabbits 4573.
spleen, monkeys, association, endoxemia, effects on blood coagulation 8891.
Streptococcus bovis, bacteremia, diagnosis, man, case reports 2206.
syphilis, complement role pathogenesis Herxheimer reaction, rabbits 6085.
tuberculosis, extracts, Mycobacterium tuberculosis modification 11465.
Lethal levels,
bacteria toxins, reviews 6014.
Lethality,
Escherichia coli, U.V. radiation, role, DNA repair 2703.
Leucaena leucocephala,
nodules, nitrogen fixation, land reclamation, soil, nutrient status, Tanzania 12144
Rhizobium, acid, alkaline, reactions, biochemical analysis 2579.
Leucania separata,
Bacillus thuringiensis pathogenicity, digestive enzymes effects on 1132.
Leucine,
fermentation, association, isovaleric acid, isocaproic acid, anaerobic microorganisms 9726
Thiobacillus acidophilus, distribution, incorporation 1475.
toxicity, Escherichia coli, resistant mutant, acetohydroxy acid synthase, characterization 5757
transport, gene regulation, Escherichia coli 7401.
L-Leucine methyl ester,
hydrolysis, kinetics, microbial metalloproteinases 4895.
Leucomycin,
derivatives, antibacterial activity 4184.
derivatives, antibacterial activity, structure-activity relationships 4183.
derivatives, effects on Escherichia coli ribosomes binding tetrahydroleucomycin 7517
derivatives, synthesis, antibacterial activity 4185.
Streptomyces kitasatoensis, biosynthesis, association, cultural characteristics, magnesium phosphate effects on 4164
Leuconostoc,
isolation, wine, methodology 1253.
Leuconostoc cremoris,
growth inhibition test, spoilage microorganisms, dairy products 6846
Leuconostoc dextranicum,
growth inhibition test, spoilage microorganisms, dairy products 6846.
Leuconostoc lactis,
citrate, induction, citrate lyase, acetolactate synthase, acetoin dehydrogenase, acetoin 2667
Leuconostoc mesenteroides,
alcohol dehydrogenase, characterization, comparison, yeasts, liver, horses 4010.
ATP levels, sulfite, effects on 239.
growth, media (culture), use, cabbage juices 4673.
Leukemia,
association, bacteria infection detection, use, C-reactive protein, man 12008.
association, infection, bacteria, oropharynx, respiratory tract, neutropenia, man 6156.
association, leukocytes (granulocytic), phagocytosis, intracellular killing, Staphylococcus aureus, Escherichia coli, man 9006.
bacteria, infection, prophylaxis, antibiotic therapy, laminar air flow, nosocomial environments, man 3450.
BCG vaccination effects on, children 652.
cell lines, cytotoxicity, macrophages, Corynebacterium parvum activation, mice 4296
fecal microflora, oral microflora, man, chemotherapy, antibiotic therapy, effects on 3268

Leukemia, (continued)
  gram-negative bacteria infection, treatment, cefotaxime+amikacin, man 6277.
  septicemia role oral microflora, man 6271.
Leukemogenesis,
  Rauscher leukemia virus, stimulation, Mycoplasma arthritidis mixed infection, mice 13371.
Leukemomycin,
  Streptomyces griseus, biosynthesis, regulation, $\mathrm{NAD(P)}^+$ nucleosidase 2960.
Leukocidin,
  Staphylococcus aureus, components effects on leukocytes (polymorphonuclear) enzymes, rabbits 6047.
  Staphylococcus aureus, stimulation, leukocytes, detection, chemiluminescence 10101.
  Staphylococcus, effects on mice leukocytes 11548.
  Staphylococcus, purification, crystallization, leukocytes receptors characterization 10074.
  Staphylococcus, structure, toxicity, reviews 7881
Leukocyte migration,
  leukocytes (neutrophilic), immunosuppression, Staphylococcus aureus α-toxin 5232.
  leukocytes (polymorphonuclear), blood, milk, Escherichia coli Endotoxins effects on, animal models 8897
Leukocyte migration inhibition,
  association, Brucella abortus experimental infection+vaccination, cattle 9037.
  association, tuberculin skin tests, man 6030.
  Salmonella typhimurium experimental infection, chickens 9013.
Leukocytes,
  accumulation, association, inflammation, Streptococcus faecalis, experimental infection, subcutaneous chambers, rabbits 2209.
  antimicrobial activity, bacteria, Candida albicans, povidone-iodine effects on 11580.
  binding, Streptococcus pyogenes, fibronectin, regulation 9016.
  cattle, Pasteurella haemolytica cytotoxicity 6005.
  chemotaxis, Neisseria gonorrhoeae extracts induction 8878.
  complement, classical pathway, role, opsonization, phagocytosis, Escherichia coli 11630.
  cytotoxicity, Fusobacterium necrophorum, production, in vitro, characterization 12990.
  enumeration, diagnosis, gastroenteritis, Shigella, children 10372.
  Escherichia coli filtration, effects on, function, man 13020.
  extracts, dialyzers, treatment Mycobacterium intracellulare infection, man, hypersensitivity (delayed) 6972.
  function, association, dermatosis, bacteria, fungi, nitroblue triazolium test, man 8969.
  incidence, association, amnion infection, man 3381.
  lectins like receptors binding Staphylococcus aureus 4295.
  levels, Escherichia coli, infection, cattle, intramammary device, effects on 4274.
  levels, sputum, pneumonia, bronchitis, man 763
  lysates, association, lymphocytes transformation immunomodulation, man 10201.
  mice, Staphylococcus leukocidin effects on 11548.
  phagocytosis, antibiotics stimulation, susceptibility, Escherichia coli, Staphylococcus aureus 13027.
  phagocytosis, Escherichia coli, microbicidal activity, hypochlorous acid, myeloperoxidase activity 6926.
  phagocytosis, Serratia marcescens, antigen O, immunoglobulin G effects on 10194.
  receptors, characterization, Staphylococcus leukocidin 10074.
  Rickettsiae lipopolysaccharides, effects on, man, rabbits 4297
  serum levels, relationship, endotoxins release, association, Borrelia duttoni experimental infection, mice 8978.
  spleen, mice, superoxide dismutase, Mycobacterium bovis, Mycobacterium lepraemurium, effects on activity 6079.
  stimulation, bacteria exotoxins, detection, chemiluminescence 10101.
  taxis induction, Staphylococcus aureus infection, coagulase effects on, rabbits 11585
  uptake, aorta grafts, infection diagnosis, man 1000.
  viability, Escherichia coli hemolysin effects on 6864
Leukocytes (eosinophilic),
  pathogens killing, mechanisms 7937.
  peroxidase, Staphylococcus aureus cell surface, effects on phagocytosis, rabbits 5209
  role, tropical environment, diseases, bacteria, man, reviews 11579.
Leukocytes (granulocytic),
  activity, association, infectious diseases, dogs 7932.
  association, leukemia, phagocytosis, intracellular killing, Staphylococcus aureus, Escherichia coli, man 9006.
  blood transfusion treatment, neutropenia, Staphylococcus aureus experimental infection, neonates dogs 6376.
  chemotaxis, antibiotics, stimulation Escherichia coli, chemotactic factors release 13030.
  endothelium adherence, role, chemotaxis, infection, bacteria, viruses, effects on, children 563.
  epithelium adherence, endotoxins effects on 10090.
  Escherichia coli filtration, effects on, function, man 13020.
  immune response, man, bronchopneumonia 13041
  intracellular killing, bacteria, role, opsonins, immunoglobulins, complement 562.
  phagocytosis, Staphylococcus aureus, opsonization fibronectin 7952.
  production, mice, association, Escherichia coli, infection 5234.
  response, man, rheumatoid arthritis, association, joints prothetics infection, bacteria 10491
  Streptococcus pneumoniae cell walls effects on, rabbits 1895.
  tranfusion, treatment, bacteremia, man 10573.
  transfusion, treatment, neutropenia, association, bone marrow recovery, pathogenicity, fungi, Pseudomonas, man 9218
Leukocytes (mononuclear),
  activity, levels, association, Corynebacterium parvum, cattle, juveniles 10216.
  bactericidal activity, Streptococcus group B, neonates, man 3223.
  phagocytosis, Staphylococcus aureus, role, complement C3, reviews 574.
  proliferation, association, fungi, Mycobacterium, antigens, Mycobacterium antigens immunosuppression, man 7949.
  Shigella sonnei endotoxins stimulation, coagulation, man 12986.
Leukocytes (neutrophilic),
  adherence, association, salmonellosis, experimental infection, pigs, juveniles 5216.
  adherence, association, tuberculosis, man 6924
  antibacterial activity, association, chemiluminescence 6896
Leukocytes (neutrophilic), (continued)
  antibacterial activity defect, association, leprechaunism, children, case reports 2322.
  antibacterial activity, Staphylococcus aureus, inhibition, cream, blood, milk, cattle 4544.
  bactericidal activity, diabetes mellitus, man, pH, glucose, acetone, effects on 1907.
  bactericidal activity, salmonellosis, experimental infection, pigs 5226.
  bactericidal activity, Staphylococcus aureus, relationship, toxic shock syndrome, man 3390.
  C-reactive protein, role, complement, immunostimulation, Streptococcus pneumoniae 11611.
  cattle, infection, Staphylococcus aureus, antibacterial activity, cloxacillin, role, lysostaphin 8773.
  cattle, Pasteurella haemolytica cytotoxicity 559.
  chemiluminescence, intracellular killing, Neisseria gonorrhoeae 6909.
  chemotaxis, Bacteroides effects on 539.
  chemotaxis, children, immunoglobulin A immunodeficiency, +recurrent infection bacteria, effects on 10631.
  chemotaxis deficiency, pneumonia, recurrent infection, man 8956.
  function, association, abdomen infection, man 9308.
  function, association, Nocardia otitidis-caviarum brain abscesses, man, case reports 11941.
  immune response, bacteria infection, dialysis, man 7939.
  immune response (cell-mediated), phagocytosis, sheep, lung, experimental infection, Pasteurella haemolytica 10199.
  immunodeficiency, phagocytosis, Staphylococcus aureus, recurrent infection, man 10207.
  leukocyte migration, immunosuppression, Staphylococcus aureus α-toxin 5232.
  levels, rats neonates, sepsis 13022.
  man, phagocytosis, bacteria 4322.
  man, tuftsin effects on phagocytosis 13017.
  microbicidal activity, cotrimoxazole effects on, Staphylococcus aureus, man, chronic granulomatous disease 6840.
  migration, adherence, association, glycogenesis type Ib, Staphylococcus recurrent infection, man, case reports 600.
  morphology, inflammation, Legionella pneumophila experimental infection, guinea-pigs 11604.
  oxidative metabolism, bacteria lipopolysaccharides effects on 7926.
  pathogens killing, mechanisms 7937.
  phagocytosis, bactericidal activity, Pseudomonas aeruginosa endotoxins vaccines effects on, rabbits 9035.
  phagocytosis, immune response, Haemophilus influenzae meningitis, neonates, rats 8955.
  phagocytosis, Pasteurella multocida, susceptibility 534.
  phagocytosis, resistance, Bacteroides fragilis, capsules, virulence, rabbits 7916.
  phagocytosis, role, bacteria, wound infection, man 4276.
  proteinase, effects on Neisseria gonorrhoeae outer membranes membrane proteins 541.
  role, immune response, Pseudomonas aeruginosa nasal infection, mice 6086.
  Staphylococcus aureus experimental infection effects on, neonates dogs, treatment blood transfusion leukocytes (granulocytic) 6376.
  stimulation, role, antibodies, complement, Neisseria meningitidis infection, association, immunodeficiency, children 3206.
  survival, dogs, in vitro, prednisolone± Escherichia coli effects on 13040.
Leukocytes (polymorphonuclear),
  adherence, bacteremia, association, shock, man 6319.
  administration, immunoprophylaxis, Streptococcus group B sepsis, neonates, animal models 5248
  bactericidal activity, association, systemic lupus erythematosus, children 596.
  bactericidal activity, Escherichia coli, Staphylococcus aureus, cattle 1898.
  bactericidal activity, Streptococcus group B, neonates, man 3223.
  blood, leukocyte migration, milk, Escherichia coli Endotoxins effects on animal models 8897
  blood, leukocyte migration, milk, Escherichia coli Endotoxins effects on, animal models 8897.
  chemotaxis, defects, periodontitis, bacteria, genetic relationship, man 3291.
  cytotoxicity, Actinobacillus actinomycetemcomitans toxins, man 3148.
  cytotoxicity, Chlamydia trachomatis, interaction, man 10184.
  Escherichia coli susceptibility, enhancement, chloramphenicol, in vitro 530.
  guinea-pigs, keratitis, cornea dispersal, transfusion, association Pseudomonas aeruginosa, animal models 7943.
  immune response, Pseudomonas aeruginosa pneumonia, immunocompromised hosts, guinea-pigs 8961.
  immune response, recurrent infection, bacteria. clinical aspects, infants, man 6069.
  immunity, Escherichia coli infection, mice 1882.
  immunosuppression phagocytosis, Staphylococcus aureus, peptidoglycans, protein A, teichoic acid, chemotaxis 6089.
  induction, Escherichia coli endotoxins, inflammation, rabbits 6867.
  interaction, Escherichia coli strains pili, association, oxidative metabolism 10231.
  intracellular killing, Streptococcus pneumoniae, opsonization, serum proteins 3215.
  intracellular killing, Streptococcus pneumoniae, role, serum factors, electron microscopy 3224.
  man, bactericidal activity, Escherichia coli, complement effects on 6111.
  man, infection, bacteria, iron effects on 10459.
  migration, immunodeficiency, Pseudomonas aeruginosa otitis, man 9127.
  migration, Staphylococcus aureus, mastitis, mammary gland, cattle 8951.
  Neisseria gonorrhoeae survival, association antigenic determinants 13005.
  oral cavity, phagocytosis, Salmonella typhi binding, association, complement receptors, man 7940.
  oxidative metabolism, geriatrics, in vitro antibacterial activity, Staphylococcus aureus 10212.
  periodontium, occurrence bacteria, effects on, children periodontitis 6154.
  phagocytosis, Borrelia hermsii, opsonization, characterization, man 6112.
  phagocytosis, opsonization, killing, bacteria, antimicrobial agents effects on 10241.
  phagocytosis, penetration, Rickettsia tsutsugamushi, factors affecting 10230.
  phagocytosis, Pseudomonas aeruginosa, cystic fibrosis, antisera 13043.
  phagocytosis, Staphylococcus aureus, role, complement C3, reviews 574.
  phagocytosis, Streptococcus pyogenes, role, antibiotics 10222.
  phagocytosis, Vibrio vulnificus, resistance, relationship, virulence 3217.
  pneumolysin effects on, man 482.

Leukocytes (polymorphonuclear), (continued)
- role, Escherichia coli cystitis, animal models 5328
- role immunity, bacteria infection, man 6105
- secretory immunoglobulin A effects on interaction Salmonella typhimurium 11564.
- Staphylococcus aureus leukocidin components effects on enzymes, rabbits 6047
- Staphylococcus exotoxins chemotaxis, ear 10086
- toxicity, Actinobacillus actinomycetemcomitans toxins, role periodontitis, man 5171.
- transport, antibacterial activity, penicillins, chloramphenicol, infection, Haemophilus influenzae 6792
- urinary bladder epithelium, immune response, Escherichia coli experimental infection, rats 5239
- urine, effects on phagocytosis, Escherichia coli, opsonization, man 11598

Leukocytosis,
- Escherichia coli endotoxins induction, guinea-pigs mammary gland 5177
- fever, association, sepsis, bacteria, antibiotics, treatment, man 13316.

Leupeptin,
- biosynthesis, Streptomyces roseus, role, protein turnover 5044.

Leupeptin acid reductase,
- purification, characterization, Streptomyces roseus 4028
- purification, characterization, Streptomyces roseus 4940

Leurosine,
- conversion, 10'-hydroxyleurosine, Streptomyces griseus 8514

Levamisole,
- immunostimulation, lymphocytes immune response, Brucella abortus vaccination, cattle 6128
- +penicillins+sodium nucleinate, treatment, syphilis, man 9193
- treatment, acne, association, immunodeficiency, immunity (cell-mediated), children, case reports 1926
- treatment, effects on immune response (cell-mediated), Staphylococcus infection, skin diseases, man 9075
- treatment, leprosy, man 6150

Levansucrase,
- biosynthesis, Actinomyces viscosus, antibiotics effects on 8619
- biosynthesis, Gluconobacter oxydans, factors affecting 12617

Levulinic acid,
- inhibition, coenzyme F_{430}, Methanobacterium thermoautrophicum 1538

LexA gene proteins,
- Escherichia coli, amino acid sequence, cleavage, purification 3927

Liberia,
- man, ulcers, Mycobacterium ulcerans, case reports 1930.

Libya,
- water supplies, contamination, dysentery incidence, man 7985

Libya, Arab Rep.,
- man, urinary tract infection, epidemiology, etiology 4437

Life cycle,
- Blastocaulis-Planctomyces like bacteria 96.

Life cycles,
- microorganisms, studies, mitochondria morphogenesis, use, antibiotics 9582

Ligands,
- binding, cytochromes, membranes, thermophilic bacteria 6490
- effects on, Azotobacter vinelandii cytochrome d, spectroscopy 3875.
- regulation, amidophosphoribosyltransferase reaction oxygen, Bacillus subtilis 1507

Ligature,
- replacement, effects on periodontitis, animal models 6159

Light,
- effects on, antibacterial activity, toluidine blue O, Escherichia coli 10051
- effects on bacteriochlorophylls, chlorosomes, plasma membranes, Chloroflexus aurantiacus 6548
- effects on BCG vaccines 6124
- effects on Gramineae leaf blight, Pseudomonas avenae 9414.
- effects on, phospholipid composition, growth, Mycobacterium smegmatis 8445
- effects on thermodynamics proton transport, bacteriorhodopsin, liposomes 4715
- effects on Zamia pumila roots growth, nodulation, geotropism, pure culture 10780.
- growth, interspecific relationships, adherence, Flavobacterium, Skeletonema costatum 1376
- induction, antibiotic resistance, gentamicin, Escherichia coli, Staphylococcus aureus 383.
- induction, Halobacterium halobium, purple membranes, bacteriorhodopsin 6556.
- induction, protons binding purple membranes, pH, temperature, ionic strength effects on, Halobacterium halobium 3881

Light effects,
- aquatic microorganisms, biomass composition, community structure, detritus, estuaries 3734.
- Escherichia coli, cytochrome a_1, binding, carbon monoxide 2689
- Mycobacterium smegmatis carotenoids biosynthesis 1428
- Rhodospirillum photometricum, growth 2639

Light intensity,
- effects on, Rhodopseudomonas sphaeroides, membranes, phospholipid composition 8376.

Light scattering,
- adenosinetriphosphatase reconstitution, Escherichia coli 6651

Light-harvesting proteins,
- amino acid sequence, chromatophores, Rhodospirillum rubrum 2731

Lignin,
- biodegradation, bacteria, characterization 7456.
- biodegradation, books, conferences 12198.
- biodegradation, ethanol production, technology, reviews 8409
- biodegradation, fungi, Actinomycetes, association, carbon cycle, reviews 12361
- biodegradation, Pseudomonas, cellulose, cell walls, ultrastructure, chemical analysis, Populus 1385.
- biodegradation, Streptomyces badius, nutrient sources effects on 103.
- components, antibiotics properties, antimicrobial activity 10041
- degradation, microorganisms, N.M.R. studies 7435.
- fragments, biodegradation, anaerobic conditions, bacteria 12370.
- monomers, bacteria biodegradation, aromatic compounds production 11003.
- role, cell walls, forage, rumen microorganisms digestion, scanning electron microscopy 6327.

Lignocellulose,
- biodegradation, microorganisms, streams, ground water 9491.

Likubin,
- mycoplasma-like organisms isolation, Citrus symptoms, tristeza virus effects on 10746.

Lime,
- +calcium peroxide, seed treatments, Hordeum vulgare, effects on Gliocladium roseum, Azotobacter chroococcum, inhibition 1145.
- effects on nitrogen fixation, Medicago sativa 1204.
- effects on, Phaseolus vulgaris, growth, nodulation, soils (acid) 2452.

Limiting factors,
- glucose, Escherichia coli, anthranilate synthase levels, regulation, chemostat culture, batch culture 1529.

Limonin,
- biodegradation, Acinetobacter effects on, bitterness, orange juice 2660.

Limulus lysate test,
- assays, Neisseria meningitidis endotoxins 12965.
- automated methods, assays, bacteria, endotoxins 1793.
- correlation, pyrogens tests, endotoxins, lipopolysaccharides, Escherichia coli 460
- diagnosis, gram-negative bacteria, endotoxemia, bacteremia, neonates, man, evaluation 1816
- endotoxemia 12969
- endotoxemia, gram-negative bacteria, association, hepatitis, man 5163.
- endotoxins, pyrogenicity 5993.
- gonorrhea, cervix secretions, detection, man 2163.
- Limulus polyphemus amebocytes, Escherichia coli endotoxins, effects on viscosity 6856.
- mechanisms, methodology 10069.
- Neisseria gonorrhoeae, urethritis, non-specific urethritis, diagnosis, man 2140.
- pyrogenicity, vaccines, man 6934
- urethritis, diagnosis, homosexuality, man 6215.

Limulus polyphemus,
- amebocytes, Limulus lysate test, Escherichia coli endotoxins, effects on viscosity 6856.
- erythrocytes, endotoxins assays, serum, man 3119.

Limulus-lysate test,
- clinical aspects, characterization, endotoxins 7879.

Lincomycin,
- aminoglycoside antibiotics, β-lactam antibiotics, combination, antibacterial activity, Staphylococcus aureus, Streptococcus group D, Escherichia coli 7764.
- antibiotic resistance, Escherichia coli, plasmid pSM7322 1685.
- antibiotic resistance, role, plasmids, Staphylococcus aureus 1672.
- antibiotic resistance, Staphylococcus aureus 380.
- antibiotic resistance, Staphylococcus aureus, burn patients 8793.
- clinical isolates, Bacteroides fragilis, antibiotic sensitivity testing 11386.
- comparison, antibacterial activity, josamycin, Staphylococcus 366.
- effects on, Vibrio cholerae, enterotoxins biosynthesis 4227.
- prophylaxis, postoperative infection, Bacteroides fragilis, man 10606.
- Staphylococcus epidermidis, Staphylococcus haemolyticus, effects on hemolysins biosynthesis 8875
- treatment, gram-negative bacteria infection, man 10603.
- treatment, pelvic inflammatory disease, chlamydia trachomatis, Neisseria gonorrhoeae, man 3403.
- treatment, pneumonia, Mycoplasma hyopneumoniae, pigs, juveniles 7276.
- treatment, pneumonia, pigs, Mycoplasma 2335.
- treatment, Staphylococcus infection, mice, effects on enzymes activity 10668.
- use, treatment, prophylaxis, infection, association, cesarean section, man 10447.

Lincomycins,
- treatment, Bacteroides fragilis, infection, man 4504.

Lincosamide,
- antibiotic resistance, determinants, gram-positive cocci, anaerobic bacteria, genes transfer 11433.

Lincosamides,
- Escherichia coli antibiotic resistance, plasmid pKH80 relationship 12841.

Linear alcohol ethoxylates,
- biodegradation, kinetics, thermodynamics, bacteria 4753.

Linear dichroism,
- chlorosomes plasma membranes bacteriochlorophyll characterization Chloroflexus aurantiacus 8479.
- reaction centers rotation mobility, chromatophores, Rhodospirillum rubrum 3880.

Linkage,
- teichoic acids+cell walls, lipids precursors, isolation, characterization, Bacillus subtilis 1569.

Linoleic acid,
- inhibition, Staphylococcus aureus, pH effects, relationship, plasmids 1757.

Linolenic acid,
- antibacterial activity, Staphylococcus aureus 8828.

Linolenyl alcohol,
- metabolism, Clostridium butyricum 126.

Linseed oil,
- antibacterial activity, Staphylococcus aureus 8828.
- sheep, rumen, effects on, organic matter digestion, microorganisms protein biosynthesis 10637.

Linuron,
- antimicrobial activity, resistance, soil microorganisms, actinomycetes 431.
- biodegradation, Rhizobium leguminosarum, Rhizobium japonicum 1389.
- effects on, Azotobacter activity 8181.
- effects on, cellulolytic microorganisms, Azotobacter, soils 8171.

Lipase,
- enzymes, endotoxins, Escherichia coli, effects on, mice 494.
- heat resistance, characterization, Pseudomonas 5764.
- Propionibacterium acnes biosynthesis, antibiotics effects on 1735.
- Propionibacterium acnes, purification, characterization 2768.
- Pseudomonas fluorescens, Serratia marcescens, gel filtration, methodology 8591.
- Pseudomonas, heat resistance, activity, ultrahigh temperature pasteurization, dairy products 8596

Lipid A,
- antibodies, serum levels, association, urinary tract infection, females, man 3208
- Bdellovibrio bacteriovorus, characterization 1571.
- components, Coxiella burnetii lipopolysaccharides 230.
- Legionella pneumophila, characterization 11238.
- Salmonella minnesota, induction, nephritis, animal models, rats 13337.
- Salmonella minnesota, structure, characterization 11236.

Lipid bilayers,
- bacteriorhodopsin+phosphatidylcholine vesicles, characterization, freeze-fracture, conferences 2690
- Corynebacterium diphtheriae toxins fragment B interaction 11478.
- reaction centers, electrons transfer, Rhodopseudomonas sphaeroides 6559.

Lipid biosynthesis,
- effects on protein biosynthesis, outer membranes, Escherichia coli 3938.

Lipid biosynthesis, (continued)
- Reticulitermes flavipes, Coptotermes formosanus, bacteria symbionts effects on 5492.
- Streptomyces olivaceus, association, morphology, growth 10945.

Lipid composition,
- Capnocytophaga, taxonomy, relationship, Bacteroides 10880.
- corynebacterium paurometabolum 9802.
- incubation temperature effects on, association, growth, Arthrobacter 7630.
- Klebsiella pneumoniae ribosomes 1444.
- Mycobacterium smegmatis, phospholipid composition, growth, glycine, effects on 1573.
- Mycobacterium tuberculosis, sulfur, isolation, purification 6679.
- myocardium, mice, endotoxins, Salmonella typhi, effects on 1830.
- Pseudomonas aeruginosa, cations, polymyxin, effects on 2837.
- resistance, lysis association, membranes, Mycoplasma gallisepticum 6509.

Lipid membranes,
- extraction, protein composition characterization, Acholeplasma laidlawii 7631.
- Halobacterium halobium, purple membranes, bacteriorhodopsin reconstitution, protons pumps kinetics 7408.

Lipid metabilism,
- rats, intestinal microflora, aging, effects on 6382.

Lipid metabolism,
- enzymes, bacteria, comparison amino acid composition, evolution 7560.
- hamsters, Bordetella pertussis vaccination effects on 1910.

Lipid peroxidation,
- endotoxins interaction lead acetate, mice 11510.

Lipid peroxides,
- formation, plasma membranes damage, Salmonella endotoxemia, liver, mice 6870.

Lipid structure,
- Acholeplasma laidlawii, myristic acid, membrane structure 8364.

Lipids,
- association, CMP-N-acetylneuraminate-galactosyl-glycoprotein sialyltransferase reactivation, Escherichia coli, membranes 6643
- Azotobacter vinelandii, biosynthesis, secondary metabolism, encystment 11232.
- BCG, induction, resistance, guinea-pigs, Mycobacterium tuberculosis infection 9365.
- biodegradation, bacteria 12364.
- biodegradation, soil 4748.
- biosynthesis, effects on lamB gene protein biosynthesis, Escherichia coli 9645.
- biosynthesis, 3-deoxy-D-manno-octulosonate-8-phospate synthetase temperature-sensitive mutant effects on, cell death, Salmonella typhimurium 7660.
- conformation, energy effects on, E.S.R., fluorescence polarization, Mycoplasma capricolum, Mycoplasma mycoides 8379.
- fatty acid composition, luminous bacteria 12725.
- interaction membrane proteins, gramicidin S effects on, fluorescence, Micrococcus luteus 12302
- interaction, pyruvate oxidase, Escherichia coli 3983.
- linkage, sugars, role, xanthans biosynthesis, Xanthomonas campestris 5800.
- man, association, leprosy 10297.
- membranes, incorporation, 9-(2-anthryl)-nonanoic acid, Micrococcus luteus 11240.
- metabolism, Bacillus megaterium, sporulation, teichoic acids 11241.
- metabolism, syphilis, man 5348.
- Micrococcus radiodurans, γ radiation effects on, membranes 8633.
- Mycobacterium gordonae, comparison, Mycobacterium leprae, characterization 4083.
- Mycobacterium, identification, thin-layer chromatography 5581.
- phase transition, I.R. spectroscopy, membranes, Acholeplasma laidlawii 8380
- proteins interaction, reconstitution membranes, Micrococcus luteus 5809.
- Rhodococcus erythropolis, physicochemical properties, surfactants, activity 12710.
- Salmonella typhimurium, mutants, outer membranes, resistance, EDTA, cations 2624.
- skin, acne 5268
- skin, tetracycline, minocycline effects on, acne, Propionibacterium acnes, man 13082
- Thiobacillus thiooxidans, membrane composition, localization 8641.

Lipoic acid,
- effects on, enzymatic activity, pyruvate dehydrogenase, oxoglutarate dehydrogenase, Escherichia coli, 202.
- residues, dihydrolipoamide acetyltransferase, role pyruvate dehydrogenase multienzyme complexes mechanisms, Escherichia coli 11160.
- residues, dihydrolipoamide acetyltransferase, role pyruvate dehydrogenase multienzyme complexes mechanisms, Escherichia coli 11161.

Lipolysis,
- bacteria, marine environments, Japan, association, animals cadavers decomposition 8458.

Lipomyces tetrasporus,
- lysis, role, soil microorganisms 12153.

Lipopeptin A,
- peptidoglycans biosynthesis inhibition, cell walls biosynthesis inhibition, Escherichia coli 4957

Lipophilic acids,
- fatty alcohols, synergism, antibacterial activity, Bacillus subtilis 430.

Lipophilic cations,
- effects on Bacillus subtilis motility 71.

Lipopolysaccharide composition,
- Escherichia coli, characterization 8639.
- relationship antibiotics susceptibility, strains, Pseudomonas aeruginosa 7627.
- role, Escherichia coli, protoplasts, complement, antibacterial activity, serum 1877

Lipopolysaccharides,
- antigen O, immunochemistry, association, N-acetyl-D-glucosamine, Proteus mirabilis 8655
- antigens, Leptospira interrogans, monoclonal antibodies, production, characterization 11537.
- association, galactose residues, phage T4, receptors, mutants, Escherichia coli 9845.
- association, Pseudomonas aeruginosa, 2,3-diamino-2,3-dideoxy-D-glucuronic acid, identification 9800
- bacteria, antibody response, idiotypes, antigen-antibody complexes, mice 11625.
- bacteria, effects on leukocytes (neutrophilic) oxidative metabolism, man 7926.
- bacteria, effects on nucleotides biosynthesis, glial cells 496.
- bacteria, immune response, mice, characterization 8967.
- bacteria, immunostimulation, macrophages, coagulation, membranes, role, endotoxin shock 4272
- bacteria, induction DNA antibodies, role DNA injections 7944
- bacteria, induction histamine release, mast cells, role periodontal diseases, rats 7927

Lipopolysaccharides, (continued)
- Bacteroides fragilis, antigens, enzyme-linked immunosorbent assay, outer membranes, in vitro 3153.
- Bdellovibrio bacteriovorus, characterization 227.
- binding, actinomycin D, spectroscopy, Agrobacterium tumefaciens 12699.
- biosynthesis, Salmonella typhimurium temperature-sensitive mutant effects on, rfaH gene genes 11281.
- Brucella abortus, effects on cattle macrophages, in vitro 3221.
- characterization, Proteus mirabilis 9799.
- constituents, 2,3-diacetamido 2,3-dideoxy-D-glucuronic acid, Pseudomonas aeruginosa, characterization 6676.
- Coxiella burnetii, lipid A components 230.
- enzyme-linked immunosorbent assay, use, immunoglobulins levels, Yersinia enterocolitica, man 7911
- Erwinia herbicola, Citrobacter freundii, Agrobacterium, toxicity, structure 5176.
- Escherichia coli, defective mutant, membrane potential, measurement 2623.
- Escherichia coli, effects on, Plasmodium vinckei petteri, cytostasis, mice 10209.
- Escherichia coli, immune response, lymphocytes B, association, dietary restrictions, mice 10232.
- Escherichia coli, pyrogenicity inactivators, rabbits brain lipoproteins, column chromatography 489.
- Escherichia coli, pyrogenicity lipoproteins effects on, rabbits, rats, chickens 488.
- Escherichia coli, role, phage
- Escherichia coli, role, phage T6 inactivation 11300.
- Escherichia coli, structure 2823
- Fusobacterium nucleatum, effects on gingiva, Macaca fascicularis 11680.
- gram-negative bacteria, monoclonal antibodies, specificity, idiotypes 10159.
- Haemophilus influenzae, effects on, trachea, cilia, rabbits, animal models 11751.
- Haemophilus influenzae, meningitis, antibody response, serum levels, man 6911.
- inhibition, Haemophilus paragallinarum hemagglutinins 518.
- interaction, phages receptors, Proteus mirabilis 7678.
- isolation, chemical composition, Campylobacter fetus supsp.jejuni 9795.
- Leptospira, antigens, antibodies role immunity, infection, mice 8996.
- Limulus lysate test, correlation, pyrogens tests, Escherichia coli 460.
- membranes, role, Escherichia coli resistant mutant, antibacterial activity, fatty acids 5147.
- Neisseria gonorrhoeae, antisera, production, rabbits 12994.
- Neisseria gonorrhoeae, cell surface, interaction, lectins, plants, Pyocin 103, Pseudomonas aeruginosa 2831.
- Neisseria gonorrhoeae, mutants, isolation, antigenic characteristics 6669.
- Neisseria gonorrhoeae, phenotyping 6478.
- Neisseria gonorrhoeae, toxicity, host specificity, association, oviduct mucosa, man 10124.
- Neisseria gonorrhoeae+Neisseria meningitidis, antigenic characteristics, monoclonal antibodies 6056
- Photobacterium phosphoreum, characterization 9792.
- Pseudomonas aeruginosa, effects on lymphocytes transformation, association, infection, man 11601.
- Pseudomonas aeruginosa, Escherichia coli, relationship, structure, activity mice 10226.
- Pseudomonas aeruginosa, outer membranes, proteins, characterization 2742.
- Pseudomonas aeruginosa, serotypes, distribution, clinical isolates 6674.
- Pseudomonas diminuta, isolation, D-threo-pent-2-ulose 6673.
- residues, xanthan, biosynthesis, polymerization, Xanthomonas campestris 12711
- Rhizobium trifolii, binding, lectins, Medicago sativa, role, roots, infection, immunoassays 2630.
- Rickettsiae, effects on, platelets, leukocytes, man, rabbits 4297.
- Salmonella, antibodies preparation, affinity chromatography 10135.
- Salmonella enteriditidis, opsonization, role, complement alternative pathway, sickle cell disease, man 583.
- Salmonella typhi antigens, antibody response, intestine levels, radioimmunoassay, typhoid fever, man 1855.
- Salmonella typhi antigens, antibody response, serum levels, radioimmunoassay, typhoid fever, man 1854.
- Salmonella typhimurium cell membranes, role, conjugation 1342.
- Salmonella typhimurium outer membranes, characterization, counter immunoelectrophoresis 68.
- Salmonella typhimurium, porins, role, vaccination, mice 3255.
- Salmonella typhimurium, role cephaloridine antibiotic resistance 10005.
- Shigella sonnei, antigenic characteristics, immunogenicity, animal models 13008.
- sugars content, Coxiella burnetii, association, growth 11228.
- sugars, Rhizobium trifolii, nodulation, mutants 2827.
- Vibrio alginolyticus, Vibrio parahaemolyticus, structure 5801.
- Vibrio cholerae, antigenic characteristics, monoclonal antibodies, agglutination 13007
- Vibrio cholerae, characterization, role, agglutination 222.
- Vibrio cholerae mutants, chemical composition, antigenic characteristics 10075.
- Vibrionaceae, carbohydrate composition, 2-keto-3-deoxyoctonate 9796.

Lipoprotein (high density),
- serum factors, association Staphylococcus capitis precipitation 12564.

Lipoprotein lipase,
- muscles, myocardium, inhibition, Escherichia coli endotoxins, rats 13031.
- sepsis, Escherichia coli, effects on, levels, rats, animal models 10516.

Lipoproteins,
- Bacillus megaterium, Escherichia coli, chemotactic factors, hemocytes, Crassostrea virginica 8634.
- biosynthesis, Escherichia coli 4958.
- brain, rabbits, rats, chickens, effects on pyrogenicity, Escherichia coli lipopolysaccharides 488.
- Escherichia coli, binding, peptidoglycans 4830.
- Escherichia coli cell envelopes, transport mechanisms, association peptidoglycans 8515.
- fatty-acid synthetase, Escherichia coli, endotoxins effects on 8893.
- man, association, leprosy 10297.
- membranes, penicillinase, labelling, fragments, Bacillus licheniformis 1551.
- Mycobacterium paraffinicum, characterization 7629.
- rabbits brain, inactivators, pyrogenicity, Escherichia coli lipopolysaccharides, column chromatography 489.
- Salmonella typhimurium outer membranes, characterization, counter immunoelectrophoresis 68.

Liposomes,
- bacteriorhodopsin, proton transport, thermodynamics, nigericin, valinomycin, light effects on 4715.
- Brucella abortus antigens, effects on lymphocytes response, phytohemagglutinin, cattle 605.

Liposomes, (continued)
- complement alternative pathway activation, C-reactive protein inhibition 6096.
- membranes, Staphylococcus aureus α-toxin effects on 5172
- +penicillins, antibacterial activity, Staphylococcus aureus, Bacillus licheniformis, Escherichia coli 5925
- phosphatidylcholine, sucrose leakage, Escherichia coli endotoxins effects on 5170
- production, use, Staphylococcus aureus lysylphosphatidylglycerol 9807
- relationship, sodium transport reconstitution, Klebsiella aerogenes 3981.
- thermophilic bacteria, reconstitution, protons pumps, reviews 12283
- toxins Vibrio cholerae penetration, gangliosides binding 6857

Lipoteichoic acid,
- adherence mediation, streptococcus, oropharynx cells, man 9603
- binding, protein M, cell walls, Streptococcus pyogenes 6672
- competition, Streptococcus mutans, antigens, purification, immunosorbents, column chromatography 510
- extraction, gram-positive bacteria 6671
- Streptococcus pyogenes, glycolipids components, cytotoxicity, heart cells, man 12696

Lipoteichoic acids,
- Lactobacillus fermentum, hypersensitivity (immediate), antigen-antibody complexes, rabbits 4278
- Staphylococcus aureus, isolation, characterization 4079

Liquid chromatography,
- identification, Bacillus cereus, Bacillus 3802
- purification, Pseudomonas fluorescens, cholesterol esterase, cholesterol oxidase, Streptomyces hyalurolyticus, hyaluronidase 8576
- purification superhelical plasmids ColE1 DNA 8669

Liquid culture,
- Aeromonas hydrophila, methodology, asociation transformation 8257
- effects on photoinduction damage repair mechanisms, Escherichia coli acriflavin sensitivity 7866
- growth, Mycobacterium lepraemurium, association, aspartic acid, methodology 12206
- media (culture), carbon sources, growth, Pseudomonas aeruginosa 12352.
- Mycobacterium, growth patterns, comparison, carbon sources 8262
- Mycobacterium phlei, age effects on esterase complex 8618
- Mycoplasma, isolation, identification, cultural characteristics 10857
- peptone, blood culture, comparison, slides, isolation clinical isolates 4669.
- phosphate assays, use, Pseudomonas fluorescens var.aureofaciens 10874.
- Streptomyces viridochromogenes, pigments production 8480

Liquids,
- intake, association, treatment, diarrhea, cattle, juveniles 10646
- levels analyzers, continuous culture methodology 5551

Listeria,
- abortion, cattle 7235
- carriers, Insectivora, Rodentia, serotyping, Bulgaria, People's Rep. 7385.
- experimental infection, mezlocillin treatment, mice 13261
- listeriosis, outbreaks, neonates, man, Australia 3554
- macrophages antibacterial activity, thioglycolate effects on, in vitro, in vivo, mice 542
- meningitis, man, case surveys 3407
- phages, isolation, characterization 11301
- +Rauscher leukemia virus, mixed infection, immunosuppression, erythroleukemia induction, mice 13372.
- tumors infection, man, immunological aspects 6148
- virulence, mice 11538

Listeria innocua,
- phages, isolation, characterization 11301

Listeria monocytogenes,
- abscesses, liver, neonates, man 961
- activation, complement, mice 537
- agglutinins, seroepidemiology, man 9226.
- antibacterial activity, amniotic fluid, man 3105
- antibacterial activity, N-formimidoyl thienamycin± gentamicin 340
- antibacterial activity, trimethoprim, sulfamethoxazole, cotrimoxazole 7853
- antibiotic sensitivity testing, ampicillin, gentamicin, in vitro 9941
- biosynthesis hemolysins, role iron 10070
- budding, cytoplasm, morphology, ultrastructure 2596
- central nervous system infection, diagnosis, clinical aspects, man 8014
- challenge, lung, defense mechanisms, mice, proteins deficiency diets, effects on 3220.
- clinical aspects, isolation, identification, characterization 10906
- clinical isolates, antibiotic sensitivity testing 5968
- cross-infection, man, disease transmission, phage typing 9260
- experimental infection, immunity (cell-mediated), immunostimulation, ubiquinones, mice 3583.
- experimental infection, macrophages, phagocytosis, mice, surfactants, effects on 3235.
- experimental infection, senescence, effects on, immunity, mice 11605
- extracts, induction, monocytes, production, mice 10181
- L form, tetracycline antibiotic resistance 11437.
- glutamate decarboxylase, isolation, characterization 1463
- growth, erythromycin, antibacterial activity, +penicillin, +ampicillin, +gentamicin 9963.
- hemolysis, CAMP test, taxonomic revision 10923.
- immune clearance, macrophage activating factor production, mice, strontium-89 treatment effects on 7954
- immune response, association, pregnancy, mice 7931
- immune response, hypersensitivity (delayed), rats, cobra venom factor, complement C5 deficient mutant mice 5206
- immune response, lauroyltetrapeptide, muramyl dipeptide, immunostimulation, mice 10198
- immune response, lymphocytes T, function, in vitro, in vivo 11599
- immunity assays, pollutants immunosuppression, animal models 13026
- immunity, association, trehalose dimycolate, mice 10208
- immunity (cell-mediated), macrophages, inflammation, genetic factors, mice 5231
- immunity (cell-mediated), proteins, dietary intake, effects on, mice 9020.
- immunity, lymphocytes T, mice, aging effects on 6095.
- immunity, macrophages 6925.
- immunity, role lymphocytes T subpopulations, hypersensitivity (delayed) 9004.
- immunological memory, hypersensitivity (delayed), lymphocytes T, Rodentia 585.
- immunological memory, lymphocytes T, Rodentia 586
- incidence, surface water, canals, lakes, Netherlands 12177.
- induction, resistance, guinea-pigs, Mycobacterium tuberculosis infection 9365.
- infection, BCG, immunosuppression, mice 4300.

Listeria monocytogenes, (continued)
- infection, dental pulp, man 6961.
- infection, disease resistance, antibacterial activity, relationship, hypersensitivity (delayed), mice 5237.
- infection, epidemiology, man, reviews 4529.
- infection, immune response (cell-mediated), lymphocytes T 3209.
- infection, immunity (cell-mediated), mediators, lymphocytes T, characterization 3211.
- infection, immunity (cell-mediated), role, effector cells 3210.
- infection, lymphocytes T memory cells immune response, immunological memory, Rodentia 4311.
- infection, mice, ampicillin, effects on, immune response, lymphocytes T 1900.
- infection, mice, disease resistance, association, Corynebacterium catarrhalis vaccination 11652.
- infection, mice immune response, relationship, hypersensitivity (delayed) 11588.
- infection, mice, solid tumors effects on disease resistance 11569.
- infection, Myopus schisticolor 9369.
- infection, natural killer cells characterization, mice 4313.
- infection, septicemia, central nervous system diseases, man, case reports 6235.
- isolation, septicemia, meningencephalitis, neonates, 10686.
- killed, vaccination, immunity, mice 6116.
- listeriosis, incidence, man, Italy 5434.
- live, vaccination, immunity (cell-mediated), macrophages, mice 4343.
- meningitis, diagnosis, treatment, man 9171.
- meningitis, man, case reports 7069
- meningitis, man, case reports 7074.
- meningitis, man, case reports, Malaysia 13215.
- meningitis, meningoencephalitis, epidemiology, treatment, clinical aspects, man 2116
- meningitis, monocytes phagocytosis, association, iron overload, man 8987.
- meningoencephalitis, outbreaks, sheep, Australia 3590.
- mezlocillin, bactericidal activity, bacteriostasis 12895.
- opportunist infection, diagnosis, man, Papua New Guinea 11950.
- penicillinase, antibiotic tolerance, β-lactam antibiotics, screening 12933.
- phages, isolation, characterization 11301.
- phenol extracts, purification, characterization 1799.
- tolerance, tumor-bearing mice, Corynebacterium parvum effects on, immune response 5208
- tuftsin, bactericidal activity, immunostimulation, phagocytosis, macrophages, mice 6070

Listeriosis,
- cattle, diagnosis, treatment, clinical aspects 6361.
- epidemiology, man 7096
- Listeria monocytogenes, incidence, man, Italy 5434.
- outbreaks, neonates, man, Australia 3554.

Lithiasis,
- association, urinary tract infection, bacteria, antibiotics treatment, man 5325.
- biliary tract, surgery, association, infection, factors affecting,

Lithium,
- effects on polysaccharides biosynthesis, Streptococcus mutans, Actinomyces viscosus 223.

Litmus milk,
- Streptococcus group D, identification 1310.

Litter,
- Abies alba, chitin biodegradation, bacteria 3729.

Little leaf,
- Acanthospermum hispidum, Mycoplasma-like organisms, pathology 7305.

Littoral zone,
- lakes, recreation sites, contamination, Clostridium perfringens spores 13511.

Liver,
- abscesses, association Yersinia pseudotuberculosis ileitis, man 7009
- abscesses, Escherichia coli, Staphylococcus, children 10536.
- abscesses, etiology, bacteria, man 4516.
- abscesses, man, Brucella 12019
- abscesses, mice, association, Fusobacterium necrophorum infection 9360.
- abscesses, neonates, man 961.
- association, RNA biosynthesis, RNA polymerase, Q fever, guinea-pigs 6963.
- Bacteroides fragilis infection, oxygenation effects on, animal models 3500.
- biosynthesis, plasma membrane, rats, Streptococcus pneumoniae, infection, effects on 2386
- cells, binding, enterotoxins, clostridium perfringens, quantitation, rats 8896.
- Chlamydia trachomatis isolation, Fitz-Hugh-Curtis syndrome, man 9189.
- cirrhosis, association, bacteremia, peritonitis, man, Escherichia coli 944.
- Clostridium novyi isolation, pancreas carcinoma, dogs 6368.
- endotoxins Salmonella minnesota inhibition 5-aminolaevulinate synthase, mechanisms, mice 6011
- horses, comparison, alcohol dehydrogenase, characterization, Leuconostoc mesenteroides 4010
- infants, man, Streptococcus intermedius infection, association, pins ingestion 10592
- man, abscesses, anaerobic bacteria infection, treatment, syringes aspiration 8059
- man, abscesses, bacteria infection, treatment 8061.
- membranes pathology, Salmonella endotoxins induction, mice 10108.
- oxygen, pressure, rats, Escherichia coli, Bacteroides fragilis, experimental infection, effects on 3630.
- pathology, association, typhoid fever, treatment, man 4409.
- pathology, rheumatic fever, Streptococcus group A, man, case reports 3494.
- pathology, syphilis, radioassays, man 3421.
- pathology, Whipple's disease, bacteria, man, case reports 3374.
- rats, epithelium, Vibrio cholerae toxins effects on cyclic AMP levels 10132.
- rats, mixed infection, Escherichia coli± Bacteroides fragilis, effects on 13407
- Salmonella endotoxemia, lipid peroxides formation, plasma membranes damage, mice 6870
- Salmonella minnesota endotoxins effects on cytochrome P-450, 5-aminolevulinate synthase, heme enzymes, mice 11513.
- Treponema pallidum, syphilis proctitis, presentation, association, Crohn's disease, man, case reports 4454.
- tuberculosis, angiography, man, case reports 2239.
- tuberculosis, man, case reports 989.
- turkeys, Escherichia coli phagocytosis, macrophages 546.
- ultrasonography, toxic shock syndrome, staphylococcus aureus, case reports, man 6320

Liver diseases,
- association, bacteremia, Streptococcus milleri, man, case reports 7144.

Liver diseases, (continued)
- Corynebacterium parvum endotoxins, rats, association liver macrophages release proteolytic enzymes 8038.
- Streptococcus group B infection, children, case reports 10542.

Livestock,
- Campylobacter fetus subsp.jejuni, Yersinia enterocolitica, incidence, Finland 7275.
- Dermatophilus congolersis, streptotrichosis, incidence, treatment, streptomycin 2394.
- infestation, disease transmission, pest control, Boophilus microplus, Australia 4549.
- production, diseases, host-pathogen interactions, relationship, environmental conditions 12056
- Salmonella, incidence, abattoirs, Ethiopia 3610.

Lividomycin,
- antibacterial activity, antibiotic resistance, gram-negative bacteria clinical isolates 4168.
- antibiotic sensitivity testing, Mycobacterium fortuitum 6787.
- drug resistance, Pseudomonas aeruginosa plasmids, plasmid pYMB1 281.

Lividomycin B,
- analogs, synthesis, antibacterial activity 7775.

LM cells,
- Pseudomonas exotoxins localization, role, calcium 5175.

Loci,
- adenosinetriphosphatase δ-subunit genes, gene mapping, nucleotide sequence, DNA, Escherichia coli 11054.
- ilv locus, valine, inhibition, acetohydroxy acid synthase, Escherichia coli 8684.
- localization, genomes, Escherichia coli, amino acid sequence, gene mapping 7662.
- mtr loci, association, permeability, outer membranes, Neisseria gonorrhoeae, isolates, homosexuality, man 8378.
- pyruvate dehydrogenase, expression, Escherichia coli 12813.
- rrnG locus, promoters regions, cDNA nucleotide sequence, Escherichia coli 7644.
- spo0H locus, function, sporulation, exodeoxyribonuclease I, Bacillus subtilis 8614.
- spoOH locus, association, nuclease, biosynthesis, Bacillus subtilis 12780.
- ssa locus, role sporulation mutants, genetic analysis, Bacillus subtilis 8699.
- thiD locus, gene mapping, Escherichia coli 12757

Locomotor activity,
- flagella, Escherichia coli, association, chemotactic response, role, gene che 8431

Locusta migratoria,
- immunity, role, reticulo-hemopoietic tissue, Bacillus thuringiensis 6076.

Lobita grandis,
- cecum, symbiosis, bacteria 6386.

Lolita grandis,
- digestive tract symbionts, bacteria, culture 4596.

Lolium,
- Corynebacterium infection, annual ryegrass toxicity, sheep, cattle, pathology, South Africa 8099

Lolium rigidum,
- Corynebacterium rathayi, toxins, contamination, isolation 2964
- infection Corynebacterium rathayi, toxins, isolation, effects on nervous system, rats, sheep 8892.
- parasitism, Anguina agrostis, Corynebacterium rathayi, sheep grazing, toxicity, kidney pathology 8879
- toxicity, Corynebacterium, Anguina funesta vectors, biological control, Dilophospora alopecuri 5164

Long-term effects,
- rheumatic fever, man, case surveys 11892.

Loperamide,
- effects on cyclic AMP accumulation, intestine, rats, induction, Vibrio cholerae toxins 5178

Lophocladia lallemandii,
- antimicrobial activity, tobacco mosaic virus, Sicily 1767.

Lorius garrulus,
- isolation, Salmonella typhimurium 7256.

Lotus conrniculatus,
- symbiosis, Rhizobium loti sp.nov., characterization 8345.

Lotus corniculatus,
- defoliation, association, carbohydrate metabolism, growth, nitrogen fixation 5542
- nodulation, Rhizobium strains 2449.
- nodules characterization, activity, association, shoots harvesting 8191.

Lotus pedunculatus,
- flavolan toxicity effects on Rhizobium 13491
- ± Rhizobium, ± nitrate, phosphorus effects on growth, nutrient uptake 1172.
- Rhizobium, nodulation, nitrogen fixation, competition, nutrient enrichment effects on 1224.

Louping-ill virus,
- vaccination, role, immunosuppression, Toxoplasma gondii, toxoplasmosis, sheep 5262

Lubomycin B,
- antibacterial activity, Neisseria gonorrhoeae, treatment, gonorrhea, man 5095.

Lubricants,
- hydrocarbons, biodegradation, Bacillus, Pseudomonas 4744
- pollutants, biodegradation, bacteria 133.

Lucibacterium,
- fish, organoleptic evaluation, effects on 9334

Luciferase,
- camphor effects on, inhibition Photobacterium fischeri bioluminescence 7488.
- 2,2-diphenylpropylamine binding, effects on activity, bacteria 1423
- electron microscopy, structure, luminous bacteria, Photobacterium leignathi, Beneckea harveyi 12472
- mechanisms, reviews, bacteria 9784
- Photobacterium phosphoreum, localization 12482.
- Vibrio harveyi, association lumazine protein, Photobacterium phosphoreum, fluorescence, ultracentrifugation 4907
- Vibrio harveyi, biosynthesis, characterization 5780.

Lucilia cuprina,
- strike, association, streptotrichosis, Dermatophilus congolensis, sheep 2350

Lumazine protein,
- Photobacterium phosphoreum, association luciferase, Vibrio harveyi, fluorescence, ultracentrifugation 4907

Lumbar,
- puncture, diagnosis, meningitis, infants, man, case reports 3408

Luminescence,
- chromatophores, membrane potential effects on, Rhodospirillum rubrum 5686.
- phenobarbital, effects on, Beneckea harveyi 11030.
- Photobacterium fischeri, cytochromes inhibitors effects on 12493.
- photobacterium mandapamensis 12494.

Luminous bacteria,
- bioluminescence 12490.
- fatty acid composition, lipids 12725.
- fish, organoleptic evaluation, effects on 9334.
- luciferase, electron microscopy, structure 12472.

Lumisantonin,
- Streptomyces aureofaciens, biosynthesis 6685.

Lung,
- abscesses, anaerobic bacteria, treatment, man, case reports 6971.
- abscesses, association, Staphylococcus sepsis, man, case reports 7146.
- Actinomyces israelii, actinomycosis, fibrosis, man 2001.
- alveoli macrophages, hydrogen sulfide effects on, rats 1738.
- cattle, mixed infection, parainfluenza virus 3+Pasteurella haemolytica, Corynebacterium parvum effects on bacteria immune clearance 13034.
- circulatory system, sheep, streptococcus group B endotoxins effects on 492.
- clearance, complement, role, Pseudomonas aeruginosa, Staphylococcus aureus, mice 6109.
- cystitis, Clostridium perfringens, case reports, man 6967.
- defense mechanisms, mice, challenge, bacteria, proteins deficiency diets, effects on 3220.
- edema, association, septic shock, children, Neisseria meningitidis 951.
- edema, pneumonia, association, tuberculosis, diagnosis, man, case reports 2002.
- edema, role, immune response, sepsis, Escherichia coli, dogs, Papio cynocephalus 1970.
- endotoxemia, Escherichia coli, nitroprusside effects on edema, pathology, sheep 10130.
- endotoxemia, Escherichia coli, prostaglandins, treatment, sheep 10114.
- experimental infection, Mycobacterium habana, Mycobacterium simiae, suppressor cells, immune response (cell-mediated), gnotobiotics (specific pathogen free), mice 6063
- fibroblasts, embryos, man, cell culture, Mycoplasma hominis growth characterization 8443.
- fibroblasts, plasma membranes lesions, Aeromonas hydrophila hemolysins induction, man 11502.
- fibrosis, antigen-antibody complexes, serum levels, relationship, Thermoactinomyces vulgaris, man 9008.
- function, children, respiratory tract infection, effects on 5313.
- guinea-pigs, β-adrenergic receptors, Haemophilus influenzae infection effects on 13366.
- induction, Escherichia coli endotoxins induction, treatment, methylprednisolone, sheep 1837.
- infection, anaerobic bacteria, clindamycin treatment, man 10344.
- infection, bacteria, susceptibility, mice, pollutants aerosols effects on 11727.
- infection, clinical aspects, treatment, Mycobacterium aviun-intracellulare, infants, man, case reports 1993.
- infection, Mycobacterium avium-intracellulare, treatment, man 1991.
- infection, Mycobacterium fortuitum-chelonei, man, case reports 2003.
- infection, Nocardia asteroides, association, abortion, pigs 4562.
- infection. Nocardia asteroides, Nocardia farcinica, man 13144.
- Legionella micdadei, Pittsburgh pneumonia agent, nodules, man, case reports 3337.
- lesions, Mycobacterium flavescens, case reports, man 9104.
- lesions, sheep, association experimental infection, Ehrlichia phagocytophilia± Chlamydia psittaci 10699.
- levels, opsonins, complement, Streptococcus pneumoniae pneumonia, rats 6927.
- macrophages, kinetics, BCG inflammation, mice 606.
- macrophages, man, phagocytosis, bacteria 4322.
- man, Legionella pneumophila, detection, indirect fluorescent antibody test 7914.
- man, mycobacteriosis, mycobacterium intracellulare, characterization, case reports 6183.
- man, tuberculosis, antiinflammatory agents treatment role latent infection 11750.
- man, tuberculosis, pathogenesis, reviews 6970.
- minks, cell culture, cytomegalovirus, varicella-zoster virus, plaque formation, Mycoplasma hyorhinis contamination effects on 3776.
- mycobacteriosis, clinical aspects, man, India 6172.
- mycobacteriosis, diagnosis, Mycobacterium, bone marrow, culture, man 6973.
- mycobacteriosis, man, British Isles 6164.
- mycobacteriosis, man, Japan 6163.
- mycobacteriosis, man, Thailand 6171.
- mycobacteriosis, Mycobacterium avium-intracellulare, man, case surveys, USA, Wisconsin 6167.
- mycobacteriosis, Mycobacterium intracellulare, surgery, man 6169.
- mycobacteriosis, Mycobacterium intracellulare, treatment, antimycobacterial agents, man 6168.
- mycobacteriosis, Mycobacterium kansasii, rifamycin treatment, man 6166.
- mycobacteriosis, Mycobacterium kansasii, treatment, rifamycin+antibiotics, man 6165.
- Mycobacterium avium-intracellulare infection, clinical aspects, children. case reports 11730.
- nocardiosis, association, immunosuppression, clinical aspects, treatment, man, case reports 1979.
- nocardiosis, embolism, association, kidney transplantation, man, case reports 11737.
- Pasteurella haemolytica, effects on, immune clearance, bovine diarrhea-mucosal disease virus, cattle 10236
- Pasteurella multocida infection, immune response, mice, radioactive labelling 7930.
- pathology, children, infection, Staphylococcus, treatment, characterization 11698.
- pathology, leptospirosis, radiography, man 3350.
- pathology, Mycoplasma pneumoniae infection, man 6982.
- pigs, sepsis, immune clearance, Pseudomonas aeruginosa infection 13024.
- postoperative infection, prophylaxis, role, sterilization, anesthesia unit, man 1986.
- Pseudomonas aeruginosa clearance, rats, skin burns, effects on 11728.
- radiology, legionnaire's disease, man 739.
- radiology, plague, case surveys, man 743.
- sheep, Pasteurella haemolytica experimental infection, immune response (cell-mediated), phagocytosis 10199.
- Streptococcus pneumoniae elimination, atelectasis, animal models 1972.
- Streptococcus pneumoniae, infection, association, diabetes mellitis, susceptibility, animal models, mice 3609

Lung, (continued)
- surgery, association, penicillin prophylaxis postoperative infection, man 10451
- surgery, postoperative infection, prophylaxis, use, antibiotics, man 2256
- tuberculosis, association, aspergilloma, man, case surveys 13136
- tuberculosis, association, choroid lesions, infants, man, case reports 9123
- tuberculosis, association, dental calculus isolation, Mycobacterium tuberculosis, man 2014
- tuberculosis, association, empyema, treatment, man 5308
- tuberculosis, association, lupus vulgaris, oral mucosa, man, case reports 2013
- tuberculosis, association, monocytes function, man 3205
- tuberculosis, association, respiratory tract carcinoma, diagnosis, man 11703
- tuberculosis, calcium serum levels, man 5295
- tuberculosis, cavitation, pathology, man 781.
- tuberculosis, chemotherapy, man 10327
- tuberculosis, detection, glycolipids antigens, hemagglutination, man 1974.
- tuberculosis, diagnosis, bronchoscopy, man 4389
- tuberculosis, diagnosis, incidence, man, frog 1971
- tuberculosis, diagnosis, radiography, man 11713
- tuberculosis, diagnosis, syringes aspiration biopsy, man 6187
- tuberculosis, disseminated infection, treatment, clinical aspects, man 2286
- tuberculosis, drugs treatment, reviews 6195
- tuberculosis, fever, treatment, corticosteroids, man, case reports 755
- tuberculosis, geriatrics, France 3333
- tuberculosis, immune response, man 547
- tuberculosis, incidence, man 11720
- tuberculosis, infants, man, France 6980
- tuberculosis, isolation, Mycobacterium szulgai, man, case reports 750
- tuberculosis, man, prophylaxis, reviews 6194
- tuberculosis, man, treatment, clinical trials, reviews 6186
- tuberculosis, man, treatment, rifampicin tuberculosis 9107
- tuberculosis, markers, erythema nodosum, children 9105.
- tuberculosis, Mycobacterium bovis, electron microscopy, mice 4558.
- tuberculosis, Mycobacterium tuberculosis, monocytes chemotaxis defects, man 11615
- tuberculosis, negative sputum smears, pathogenesis, radiography, man 4384
- tuberculosis, Noscomial infection, man 6191
- tuberculosis, outbreaks, geriatrics, institutions 754
- tuberculosis, pathogenesis, clinical aspects, man 6964
- tuberculosis, pathology, factors affecting, children 2018
- tuberculosis, prognosis, man 11722
- tuberculosis, prognosis, man 11723
- tuberculosis, respiratory tract diseases, Mycobacterium, man, India 784
- tuberculosis, symptoms, man 5293
- tuberculosis, treatment, antimycobacterial agents, man 753
- tuberculosis, treatment, antitubercular agents, effects on, Mycobacterium tuberculosis pathogenicity, man 768
- tuberculosis, treatment, man 752
- tuberculosis, treatment, man 770
- tuberculosis, treatment, man 5310
- tuberculosis, treatment, man 11719
- tuberculosis, treatment, man 11724
- tuberculosis, treatment, man 11726
- tuberculosis, treatment, side effects, man 1996
- tumors, relationship, elimination, Staphylococcus aureus, Pseudomonas aeruginosa, association, peritonitis, mice 3538
- ventilation, association, respiratory tract infection, diagnosis, antibody response, infants 780
- ventilation, pneumonia, Staphylococcus aureus, complications, man 786
- viruses, Mycoplasma infection effects on, man, relationship hypersensitivity 13021

Lung diseases,
- bacteria, fungi, association, Hodgkin's disease, diagnosis, case reports, man 7969
- Streptococcus pneumoniae vaccination, antibody response, man 631.

Lung infection,
- association, immunodeficiency, Mycobacterium fortuitum, man, case reports 799
- complications, trachea ventilation, Pseudomonas, Enterobacter, Klebsiella, man 771
- symptoms, roentgenography, Mycobacterium tuberculosis, Mycobacterium kansasii, Mycobacterium intracellular, man 776

Lupinus,
- Rhizobium lupini nodulation, soil properties effects on 8193

Lupinus luteus,
- nodules, association Rhizobium lupini, incidence flavin enzymes 13488

Lupinus mutabilis,
- acetylene reduction, nodulation, Rhizobium, semiarid environments 8175.

Lupus vulgaris,
- oral mucosa, association, tuberculosis, lung, man, case reports 2013
- tumors like presentation, pathology, man, case reports 1947.

Lycopersicon chilense,
- hybridization× Lycopersicon esculentum× Lycopersicon peruvianum var.humifusum, disease resistance, Corynebacterium michiganense 3673

Lycopersicon esculentum,
- bacteria infection, herbicides effects on disease resistance 13433
- crown gall, biological control, use, Agrobacterium radiobacter mutants 12100.
- Erwinia carotovora subsp.carotovaora, soft rot, post-harvest decay, latent infection, host-pathogen interactions 3658.
- Erwinia carotovora subsp.carotovora infection, pathogenesis, mathematical models 7306.
- Erwinia carotovora subsp.carotovora infection, pathogenesis 12102.
- Fusarium wilt, antagonism, rhizosphere microorganisms 13469
- hybridization× Lycopersicon chilense× Lycopersicon peruvianum var.humifusum, disease resistance, Corynebacterium michiganense 3673
- leafspot, association, Pseudomonas syringae, USA, Georgia 2409
- Pseudomonas solanacearum, infection, seed-borne diseases, soil-borne diseases, factors affecting 3668.
- Pseudomonas tomato, damping-off, inhibition, seeds germination, growth 3669.
- Pseudomonas tomato, infection, symptoms, electron microscopy 3660.
- rhizobium, nitrogenase 4623.
- +rhizobium, nitrogenase activity induction, in vitro 4623.
- seeds, survival, Pseudomonas syringae pv.tomato, Xanthomonas campestris pv.vesicatoria 12099.
- speck, Pseudomonas tomato, outbreaks, Canada 9404.
- wilt, Fusarium oxysporum f.sp.lycopersici interaction rhizosphere microorganisms 13468.

Lycopersicon peruvianum var.humifusum,
- hybridization× Lycopersicon esculentum× Lycopersicon chilense, disease resistance, Corynebacterium michiganense 3673.

Lymantria dispar,
- gut epithelium, histopathology, Bacillus thuringiensis δ-endotoxin 10096.
- hemolymph histopathology, toxicity, Bacillus thuringiensis δ-endotoxin 10095.

Lymecyclin,
- treatment, pelvic inflammatory disease, chlamydia trachomatis, Neisseria gonorrhoeae, man 3403.

Lymph,
- drainage, thoracic duct, effects on, peritonitis, treatment, man 3438.
- dynamics, gram-negative bacteria, septic shock, endotoxins effects on, rats 3152.

Lymph nodes,
- cytology, leprosy, man 701.
- granuloma, Mycobacterium leprae, BCG, Mycobacterium kansasii, ultrastructure, immune response, animal models 548.
- immune response, Staphylococcus aureus, vaccines, sheep 3252.
- pathology, syphilis, animal models 5347.
- pathology, Whipple's disease, bacteria, man, case reports 3374.
- pigs, Mycobacterium, isolation, environments 8091.
- sheep, cattle, incidence, Salmonella, abattoirs 3638.
- tuberculosis, surgery, man 11911.

Lymphadenitis,
- association, syphilis, man 13238.
- Mycobacterium avium-intracellulare, pathology, immunity (cell-mediated), man, case reports 7122.
- Mycobacterium haemophilum, children, case reports 3544.
- Mycobacterium tuberculosis, clinical aspects, man, case reports, reviews 3461.
- Streptococcus, pathogenesis, cats 8117
- treatment, cefadroxil powder, children 1007.
- Yersinia enterocolitica, mesentery, thalasemia association, case reports, children, man 10507.
- Yersinia pseudotuberculosis, pathology, clinical aspects, treatment, man, case reports 2237.

Lymphadenopathy,
- gonorrhea, man 13246.
- Mycobacterium, diagnosis, treatment, man, reviews 9307
- tuberculosis, children 9269.

Lymphangitis,
- Pasteurella pseudotuberculosis, Actinobacillus lignieresii, media (isolation), identification, cattle 12260.
- penis, association, Chlamydia trachomatis urethritis, man 851.

Lymphatic system,
- role, immune clearance, bacteria, soft tissues infection, rabbits 10235.

Lymphocyte transformation,
- assays, use, tuberculosis diagnosis, children 587.
- immune response (cell-mediated), Pseudomonas maltophilia, Mycobacterium kansasii, association, Crohn's disease, man 3234.
- Legionella pneumophila induction, blood, man 556.
- methodology, detection, Vibrio cholerae enterotoxins 10063.
- specificity, Mycoplasma arthritidis, mitogens, antigenic characteristics, hosts 6887
- tests, Mycobacterium paratuberculosis, paratuberculosis, diagnosis, cattle 2385.

Lymphocytes,
- activation, mycoplasmosis, Mycoplasma pulmonis, lesions, rats 6104.
- binding Acholeplasma laidlawaii, membrane fusion, rats 8992
- blastogenesis, man, diabetes mellitus, Staphylococcus aureus, Clostridium tetani toxoids 4321
- Chlamydia trachomatis, induction, interferon, production 10206.
- correlation, Salmonella typhimurium susceptibility, mice 1888.
- cytotoxicity, Klebsiella capsules antisera, association, ankylosing spondylitis, man 3204.
- cytotoxicity, Streptococcus group A protein M, pathogenesis rheumatic fever 7110.
- depletion, immunosuppression, Vibrio succinogenes asparaginase, characterization 7953.
- +histocompatibility antigen HLA B27 determinant, cross-reactivity, Klebsiella pneumoniae, role, uveitis, man 10186.
- immune response (cell-mediated), leprosy, pathogenesis, characterization, man 11609
- immune response, levamisole immunostimulation, Brucella abortus vaccination, cattle 6128
- immune response, tuberculosis, man 11600.
- inhibition antibodies biosynthesis, association, Clostridium tetani toxoids vaccination, man 4333.
- levels, pneumonia, man 567
- man, blastogenesis, mitogens, helper factor 5212.
- man, interaction, in vitro, production, antibodies, Clostridium tetani 3239.
- mice, stimulation, Mycoplasma arthritidis mitogens, genetic analysis 4316.
- milk, immunity (cell-mediated) assays, brucellosis, cattle 10137.
- mitogenicity, cell walls, peptidoglycans, teichoic acid, Bacillus subtilis, Staphylococcus aureus 6922.
- mitogenicity, Staphylococcus aureus L form membranes 6913.
- Pasteurella multocida, vaccination, effects on, proliferation, rabbits 10266.
- phagocytosis Streptococcus group B, role capsules, opsonization, complement activation 8976
- proliferation, association, BCG immunization, guinea-pigs 9028.
- response, mitogens, serum immunosuppressive factors effects on, association, leprosy, man 9073
- response, phytohemagglutinin, Brucella abortus antigens effects on, cattle 605.
- response, serum, regulation, syphilis, Treponema pallidum, experimental infection, rabbits 10182.
- serum levels, association, diarrhea, infants, man 8980.
- spleen, activity, mice, mixed infection, Acholeplasma laidlawii+Rauscher leukemia virus 11622
- stimulation, association, Haemophilus influenzae type b polysaccharides+proteins complex, neonates, rabbits 3195.
- stimulation, diagnosis, paratuberculosis, Mycobacterium paratuberculosis, cattle 1117.
- stimulation, Streptococcus equi, protein M, phytohemagglutinin, horses 11608.
- subpopulations, levels, Staphylococcus aureus, hypersensitivity (delayed), hypersensitivity (immediate), guinea-pigs 6087.
- supernatants, association syphilis, syphilis, rabbits, antibacterial activity, Treponema pallidum 8988.
- Thy-1 antigen capping, Mycoplasma, mitogenicity, immunostimulation 10238.
- transformation, Chlamydia trachomatis infection effects on, man, in vitro 601.
- transformation immunomodulation, man, association, bacteria products, leukocytes

Lymphocytes, (continued)
lysates 10201.
transformation, Mycobacterium leprae, leprosy, man 898.
transformation, Pseudomonas aeruginosa lipopolysaccharides effects on, association, infection, man 11601.
Lymphocytes B,
activation, induction, gram-negative bacteria clinical isolates, periodontal diseases 6101.
activation, Pseudomonas aeruginosa infection, mice 4314.
distribution, rheumatic nodules, rheumatic fever 6318.
Epstein-Barr virus, transformed cells, production, monoclonal antibodies, toxoids, Clostridium tetani 3166.
immune response, Escherichia coli, lipopolysaccharides, association, dietary restrictions, mice 10232.
immunostimulation, Haemophilus influenzae polysaccharides, antigenic characteristics, structure, mice 6883.
levels, brucellosis, man 589.
levels, gonorrhea, females, man 6247.
mice, spleen, immune response, Staphylococcus aureus protein A effects on, X chromosome 8974.
mitogenicity, Streptococcus mutans antigens serotypes, mice 5199.
polyclonal activators, Streptococcus mutans cell walls carbohydrates antigens, immune response, mice 6114.
proliferation, association, BCG immunization, guinea-pigs 9028.
proliferation, differentiation, lymphocytes T, activation, staphylococcus aureus 11623.
role, immune response, Nocardia asteroides, mice 6078.
serum levels, association, diarrhea, infants, man 8980.
subpopulations, blood levels, bacteria respiratory tract infection effects on, association, atopy, children 10179.
syphilis, man 604.
Lymphocytes T,
activation, lymphocytes B, proliferation, differentiation, staphylococcus aureus 11623.
cytotoxicity, Mycobacterium tuberculosis, antigens, immune response 11627.
DNA biosynthesis, immunostimulation, Mycobacterium lepraemurium experimental infection, mice 6908.
function, immune response, Listeria monocytogenes, in vitro, in vivo 11599.
immune response (cell-mediated), Listeria monocytogenes infection 3209.
immune response, mice, Listeria monocytogenes infection, ampicillin, effects on 1900
immunodeficiency, mixed infection, Mycobacterium avium-intracellulare, cytomegalovirus retinitis, homosexuality, man 13266.
immunological memory, hypersensitivity (delayed), Listeria monocytogenes, Rodentia 585
immunological memory, Listeria monocytogenes, Rodentia 586.
γ-interferon production, macrophages presentation Salmonella enteritidis, antigens, mice 8981.
levels, brucellosis, man 589.
levels, gonorrhea, females, man 6247.
Listeria monocytogenes immunity, mice, aging effects on 6095.
lymphoma, association, septicemia, bacteria, man 5375.
macrophages, interaction, association, bacteria immune response (cell-mediated) 11567
mediators, characterization, immunity (cell-mediated), Listeria monocytogenes infection 3211.
memory cells, role, immune response, Listeria monocytogenes infection, Rodentia, immunological memory 4311.
Mycoplasma arthritidis, mitogens, immunostimulation 11573.
proliferation, association, BCG immunization, guinea-pigs 9028.
proliferation, receptors Clostridium tetani toxoids antigenic determinants 7950.
proliferation, tuberculin stimulation, tuberculosis, man 10189.
role, immune response, Pseudomonas aeruginosa, vinblastine, effects on, mice 11575.
role, immunity (cell-mediated), periodontal diseases, Veillonella alcalescens, man 1872.
serum levels, association, diarrhea, infants, man 8980.
subpopulations, blood levels, bacteria respiratory tract infection effects on, association, atopy, children 10179
subpopulations, cerebrospinal fluid, man, meningitis, enumeration 7936.
subpopulations, immune response, syphilis, man 10188.
subpopulations, proliferation, tuberculosis, man 10187.
subpopulations, role, hypersensitivity (delayed), immunity Listeria monocytogenes 9004.
suppression, cyclosporin A effects on, Actinomyces viscosus periodontitis, rats 6103.
suppressor cells, helper cells, immune response, Mycobacterium kansasii infection, mice 4298.
suppressor cells, immunosuppression, chemotherapy, experimental infection, Mycobacterium bovis, Mycobacterium simiae, mice 3214.
surface markers, binding, streptococcus cell membranes, poststreptococcal glomerulonephritis, man 1881.
syphilis, man 604.
thymectomy, relationship, susceptibility, infection, Mycobacterium leprae, rats 3218.
Lymphocytosis,
sphenomegaly, pertussis vaccines, gnotobiotics, mice 9031.
Lymphogranuloma venereum,
Chlamydia trachomatis, clinical aspects, man 13241.
Chlamydia trachomatis, epidemiology, treatment, diagnosis, man 9194.
Lymphogranuloma venerum,
Chlamydia trachomatis, detection, immunoglobulin G, immunoglobulin A, radioimmunoassay, man 10196.
Lymphoid tissue,
Brucella suis L form immunogenicity, mice 11595.
Waldeyer's ring, relationship respiratory tract infection, children 9097
Lymphokines,
activation macrophages, cytotoxicity Mycobacterium microti, in vitro 8966
effects on, Chlamydia psittaci growth, macrophages, mice 4320.
induction, macrophages, bacteriostasis, Mycobacterium 10176.
Lymphoma,
association Mycobacterium humanus infection, children, case reports 10548
Campylobacter fetus, isolation, blood, culture, man 2545.
chemotherapy, immunocompromised hosts, association, infection, Staphylococcus aureus, Pseudomonas aeruginosa, man 6307
granuloma, coexistence, bacteria infection, clinical aspects, histology, case

Lymphoma, (continued)
reports, man 11951.
lymphocytes T, association, septicemia, bacteria, man 5375.
Lymphosarcoma,
dogs, association salmonellosis 6362.
Lyophilization,
Bacteroides fragilis, thermal stability, skim-milk, comparison, poly(vinylpyrrolidone) 7354.
effects on bacteria DNA repair, reviews 5704.
temperature effects on, viability bacteria 4658.
Lysates,
leukocytes, association, lymphocytes transformation immunomodulation, man 10201.
phage 80α, competence factor isolation, Staphylococcus aureus transformation 258.
phage 80α, isolation, characterization, competence factor, Staphylococcus aureus transformation 259.
δ-Lysin,
conformational analysis, interactions membranes, Staphylococcus aureus 11101.
Lysine,
attachment sites, retinylidene chromophores, bacteriorhodopsin, purple membranes, Halobacterium 4776.
auxotrophy, relationship alterations plasmid pWB1, restriction endonuclease mapping, Pseudomonas cepacia 5867.
Bacillus licheniformis mutants, biosynthesis 2730.
bioassays, kinetics, Pediococcus cerevisiae 9523.
biodegradation pathways, Fusobacterium nucleatum 12379.
Brevibacterium flavum, production 12374.
Corynebacterium melassecola mutants, production, freeze-drying effects on 5572.
decarboxylation, plasmids, Proteus morganii characterization, taxonomic significance 6758.
excretion, Micrococcus glutamicus 174.
excretion, Micrococcus luteus, lysine, threonine, mechanisms 1464.
identification retinal attachment sites, bacteriorhodopsin, purple membranes, Halobacterium halobium 4838.
polymers, effects on Corynebacterium diphtherias toxins cytotoxicity 10076.
production mutants, Corynebacterium glutamicum, aspartokinase, enzymatic activity, characterization 1483.
residues, initiation factor 3, structure-activity relationships, Escherichia coli 9676.
role active sites, histidinol dehydrogenase, Salmonella typhimurium 3962.
Streptomyces albulus, polymers biosynthesis 3925.
streptomyces albulus, polymers, characterization 3924.
Thiobacillus acidophilus, distribution, incorporation 1475.
L-Lysine,
biosynthesis, bacteria 7528.
biosynthesis, Corynebacterium glutamicum, nutrient requirements 8542.
biosynthesis, Corynebacterium glutamicum, surfactants effects on 9703.
L-Lysine 6-aminotransferase,
stereospecificity, mechanisms, Flavobacterium lutescence 8590.
Lysis,
enzymes, Clostridium perfringens spores, extraction, role, spore germination 5770.
erythrocytes, association, Anaplasma marginale purification, methodology 8251.
erythrocytes, hemolysins, Aeromonas hydrophila 5158.
erythrocytes, Streptococcus streptolysin O 11507.
Escherichia coli, gram-negative bacteria, Bdellovibrio, host-parasite interactions, waste water 9423.
hosts, phage λ, genetic control, environmental effects 7676.
Micrococcus radiodurans, lysozyme, radiation effects on 3104.
Mycoplasma cell surface, complement, immune response 10240.
Mycoplasma, Spiroplasma, Acholeplasma, phages, morphology, taxonomy 9853.
phages, bacteria, soil, herbicides effects on 8197.
Phytophthora cinnamomi, bacteria, Eucalyptus marginata leaf litter 1155.
Phytophthora cinnamomi hyphae, soil leachates media (culture) 3678.
Pseudomonas, phages, base composition 12821.
Pseudomonas phaseolicola, adsorption, phage Φ6R mutants 7670.
resistance association, lipid composition, membranes, Mycoplasma gallisepticum 6509.
sensitivity, bacteria, terrestrial environments, marine environment, factors affecting 12334.
Spiroplasma, phage S1, isolation, morphology, taxonomy 5000.
Vibrio parahaemolyticus, association, Bdellovibrio, isolation, enumeration, growth, marine environment 9630.
yeasts, role, soil microorganisms 12153.
Lysobacter enzymogenes,
α-lytic proteinase, active sites, histidine residues, N.M.R. 11158.
ribonuclease, purification, characterization 1517.
Lysogency,
phage HP1, DNA, insertion, Haemophilus influenzae, R factor 2898.
Lysogenization,
phage P4, Escherichia coli 4116.
phage T4, restriction endonuclease inhibitor genes, cloning, mapping, Escherichia coli 7673.
phages, effects on Pseudomonas aeruginosa antigen O changes 268.
Vibrio cholerae, biotypes, sensitivity, phages 9846.
Lysogeny,
Aeromonas salmonicida, temperature effects 1852.
Bacillus, phage typing, soil isolates, water isolates 12247.
clinical isolates, Escherichia coli, man, animals 1658.
Enterobacteriaceae, sewage, man rectum samples, domestic animals rectum samples 453.
Escherichia coli, phage λ mutants, rev gene, gene expression 5001.
Escherichia coli, phage P2, phage λ transduction, recE gene, expression 1646.
hosts, phage λ, genetic control, environmental effects 7676.
mitomycin C, induction, phages, Desulfovibrio desulfuricans, electron microscopy, morphology 12818.
Mycobacterium smegmatis, phages 6734.
Mycobacterium, transduction, mutagenesis, reviews 5830.
phage ψ, DNA, Agrobacterium tumefaciens, morphogenesis 11299.
phage AP50, Bacillus anthracis, structural proteins, electron microscopy 12820.
phage J2, plaque formation, transduction, Salmonella typhi 4999.
phage Mu, prophages, bacteria, genetic analysis, biochemical analysis 8721.
phage P22, Salmonella, c1 gene mutation effects on 4115.
phage P22, Salmonella, genetic control, cro gene 4117.
prophages, aflatoxin B1, metabolites, induction, Bacillus megaterium, comparison, Salmonella typhimurium 8714.

Lysogeny, (continued)
Streptomyces azureus, classification, phage SAt2 270.
Streptomyces venezuelae, phage SV1, phage SV2 12823
Vibrio cholerae strains, phage κ, detection methodology 8455
Yersinia enterocolitica, clinical isolates, Japan 8713.
Lysolecithin,
effects on lysosomal enzymes, mice skeletal muscle 6860
Lysophospholipase,
role, Mycoplasma gallisepticum membranes lysophospholipids hydrolysis 12689
Lysophospholipids,
Mycoplasma gallisepticum membranes, hydrolysis, role, lysophospholipase 12689
Lysosomal enzymes,
activity, β-interferon effects on, mice macrophages 11566
fibroblasts, activity, Escherichia coli endotoxins effects on, mucolipidosis, man 1823
macrophages, activity, mice, Mycobacterium infection effects on 7928
mice skeletal muscle, toxins effects on 6860
Lysosomes,
fusion, phagosomes, macrophages, phagocytosis, Brucella suis, mice 11565.
transport, Corynebacterium diphtheriae toxins effects on 1818
Lysostaphin,
+lysozyme, antibacterial activity, staphylococcus 8787
role, antibacterial activity, cloxacillin, Staphylococcus aureus, infection, cattle, leukocytes (neutrophilic) 8773
Lysozyme,
antibodies, antibody response Micrococcus luteus vaccination, rabbits 1913
breast milk immunological aspects, man, lactation time effects on 8959.
effects on, immunity (cell-mediated), Coxiella burnetii antigens, vaccination, guinea-pigs 575
effects on Streptococcus pneumoniae autolysis 8442
enzymatic activity, saliva immunoglobulin G levels, role, dental caries disease resistance, man 729.
inorganic compounds, effects on morphology, Streptococcus mutans 12325
levels, blood, umbilical cord, relationship, infection susceptibility, gram-negative bacteria, neonates, man 2290
+lysostaphin, antibacterial activity, staphylococcus 8787
Micrococcus radiodurans lysis, radiation effects on 3104
pleural fluid, differential diagnosis, pleurisy, tuberculosis, man 6986
resistance, Bacillus subtilis spores, coat protein mutation effects on 12797
sensitivity, Escherichia coli, association, temperature 10961
sensitivity, Escherichia coli, temperature effects on 12441
Staphylococcus aureus, drug sensitivity testing 3107
tertiary structure, X-ray diffraction, Streptomyces erythreus 3975.
Lysylphosphatidylglycerol,
Staphylococcus aureus, use, liposomes production 9807
Lytic enzymes,
bacteria, teichoic acid effects on 12695
Myxococcus virescens, immobilized enzymes, clay, activity 12582
Staphylococcus xylosus, micrococcus, inhibitors, characterization 9810
α-Lytic proteinase,
Lysobacter enzymogenes, active sites, histidine residues, N M.R. 11158.

Macaca arctoides,
gastrointestinal tract dilation, association, Clostridium perfringens infection 12044
Macaca cyclopsis,
noma, pathology 2355
Macaca fascicularis,
animal models, dental plaque, Streptococcus mutans, population dynamics 10302.
communal breeding, effects on, dental caries flora, Streptococcus mutans, serotypes 10679
dental plaque, fluorescent antibody test use characterization 12042
dental plaque, population composition 2345
dental plaque, Streptococcus mutans, isolation, characterization 2344
gingiva, Fusobacterium nucleatum lipopolysaccharides extracts effects on 11680
infection, bacteria, viruses, protozoa, diseases characterization 9344
neonates, septicemia, meningencephalitis, Listeria monocytogenes, isolation 10686
periodontitis, isolation, Bacillus melaninogenicus, Capnocytophaga, Campylobacter 2364.
Rickettsia tsutsugamushi seroepidemiology, Malaysia 1076
Salmonella carriers, incidence, imported diseases 6378
serum levels, Streptococcus mutans antibodies 4291
vaccination, Streptococcus mutans, antigens, dental caries, characterization 6131.
Macaca mulata,
bacteria, dental caries, plaque fluid, saliva, composition, radiation, effects on 3640
Macaca mulatta,
brain abscesses, Staphylococcus aureus, pathology 8108
Mycobacterium tuberculosis infection, outbreaks 10717.
sepsis, electrolyte balance, Salmonella typhimurium, potassium, sodium 2240
sepsis, Salmonella typhimurium, electrolyte balance, potassium, sodium 2240.
tuberculosis, association, eye granuloma, pathology 8104
Maclura pomifera,
fruits extracts, antibacterial activity 450.
Macrobrachium rosenbergii,
agglutinins levels, immune response, Vibrio anguillarum, infection 610.
Macrocin methyltransferase,
role, Streptomyces fradiae, tylosin biosynthesis 8753.
Macrolide antibiotics,
antibacterial activity, Legionella pneumophila 7798.
antibacterial activity, synthesis, mycaminosyltylonolide derivatives 6814.
antibiotic resistance, determinants, gram-positive cocci, anaerobic bacteria, genes transfer 11433.
antibiotic synergism, peptide antibiotics, antibacterial activity, Pseudomonas aeruginosa, in vitro, in vivo 7800
biosynthesis, bacteria mutants, screening methodology 5042
conversion, Streptoverticillium kitasatoensis, Streptomyces ambofaciens, Streptomyces thermotolerans 12872.
Escherichia coli antibiotic resistance, plasmid pKH80 relationship 12841.
oxytetracycline, feeds, pigs, relationship, antibiotic resistance, Staphylococcus aureus, occupational exposure, man 4193.
resistance, bacteria, tylosin derivatives synthesis, structure-activity

Macrolide antibiotics, (continued)
relationships 12908.
Staphylococcus aureus, antibiotic resistance 400
Staphylococcus aureus resistance, ribosomes binding 3-O-acetyl-4″-O-isovaleryltylosin 12918.
Macromolecular biosynthesis,
Bacillus subtilis, mutagenesis, U.V radiation, effects on 6845.
Peptostreptococcus anaerobius, effects on antibacterial activity, hydrogen peroxide 6843.
Macromolecules,
Bacillus subtilis, biosynthesis, spore germination, morphology, aminoglycoside antibiotics, peptide antibiotics effects on 6487.
biosynthesis, bacteria, ethionine, methionine analogs, reviews 9687.
composition, bacteria, mathematical models, in vitro 10998
Escherichia coli envelopes, biosynthesis, relationship, growth rate 3842.
Mycobacterium avium, biosynthesis, growth, cell division 5659
Mycobacterium smegmatis, biosynthesis, media (culture), effects on 7429.
Macromomycin A,
purification, characterization, Streptomyces macromomyceticus 11342.
Macromomycin D,
purification, characterization, Streptomyces macromomyceticus 11342.
Macrophage activating factor,
production, Listeria monocytogenes immune clearance, mice, strontium-89 treatment effects on 7954
Macrophage-activating factor,
monocytes, association, phagocytosis, Staphylococcus albus 5236.
Macrophages,
activation, Corynebacterium parvum, cytotoxicity, mice leukemia cell lines 4296.
activation, immune response, periodontitis, man 5244.
activation, immunostimulation, Corynebacterium parvum, tumors, animal models 5207.
activity, bacteria phospholipids effects on, mice 7947.
alveoli, activation, Corynebacterium parvum, effects on, lectins receptors, glycosidase activity, guinea-pigs 9003.
alveoli, hydrogen sulfide effects on, lung, rats 1738.
antibacterial activity, Listeria, thioglycolate effects on, in vitro, in vivo, mice 542
antibodies, role, immune response, Salmonella typhimurium experimental infection, mice 1903
antitumor activity, tumor cells, mice, endotoxins, effects on 1817.
association, Leishmania donovani cell death, oxygen role 11593.
bacteria infection, Cyclura cornuta 10700.
bacteria infection, electron microscopy, immunopathogenesis, Whipple's disease, man 6061
bacteriostasis, Mycobacterium, lymphokines, induction 10176.
biosynthesis, thromboxane A2, prostacyclin, stimulation, Salmonella enteritidis endotoxins, role, endotoxin shock, rats 5162.
cattle, Brucella abortus lipopolysaccharides effects on, in vitro 3221.
cell-mediated bone resorption, bacteria endotoxins effects on, man 1839.
colony-forming cells, response, bacteria endotoxins, mice 4279.
cyclic AMP, induction, antibacterial activity, in vitro 9010.
cytotoxicity Mycobacterium microti, lymphokines activation, in vitro 8966.
cytotoxins, Pasteurella haemolytica purification, characterization 8868.
Escherichia coli phagocytosis, interferon effects on 3219.
function, Rickettsia prowazeki infection, guinea-pigs 561.
Haemophilus parahaemolyticus effects on, pigs 1812.
immune response (cell-mediated), phagocytosis, sheep, lung, experimental infection, Pasteurella haemolytica 10199.
immune response, tuberculosis, man 11600
immunity (cell-mediated), vaccination, live Listeria monocytogenes, mice 4343
immunostimulation, membranes, coagulation, lipopolysaccharides, bacteria, role, endotoxin shock, rabbits 4272.
immunostimulation, N-acetylmuramyl-L-alanyl-D-isoglutamine analogs, protection, Pseudomonas aeruginosa, mice 6251.
inflammation, immunity (cell-mediated), Listeria monocytogenes, genetic factors, mice 5231
inhibition Mycobacterium lepraemurium growth in vitro 6068
lectins like receptors binding Staphylococcus aureus 4295
Listeria monocytogenes immunity 6925
lung, kinetics, BCG inflammation, mice 606.
lung, man, phagocytosis, bacteria 4322.
lymphocytes T, interaction, association, bacteria immune response (cell-mediated) 11567
lysosomal enzymes, activity, mice, Mycobacterium infection effects on 7928.
mice, β-interferon effects on, Escherichia coli biodegradation, lysosomal enzymes activity 11566.
mice, antibacterial activity, Staphylococcus aureus, immunological enhancement, role interferon 13044
mice, Chlamydia psittaci growth, lymphokines effects on 4320.
morphology, inflammation, Legionella pneumophila experimental infection, guinea-pigs 11604
Mycobacterium leprae DNA, thymidine incorporation, factors affecting 1884.
Mycoplasma arthritidis, activation, cell lines, mice 9023
pathogens killing, mechanisms 7937.
phagocytosis, antibacterial activity, Leptospira, guinea-pigs 3191.
phagocytosis, bacteria, kinetics, morphology, rats 588.
phagocytosis, bactericidal activity, Staphylococcus aureus, chlorphentermine, iprindole, effects on, rats 6107.
phagocytosis, Brucella suis, phagosomes, fusion, lysosomes, mice 11565.
phagocytosis, Brucella, ultrastructure 10204.
phagocytosis, chemiluminescence, Salmonella typhimurium, experimental infection, mice 1905
phagocytosis, Escherichia coli, spleen, liver, turkeys 546.
phagocytosis, immune response, Haemophilus influenzae meningitis, neonates, rats 8955.
phagocytosis, Legionella pneumophila, opsonins, complement, role 10213.
phagocytosis, Listeria monocytogenes, experimental infection, mice, surfactants, effects on 3235
phagocytosis, Neisseria gonorrhoeae, role, Fc receptors 1876.
phagocytosis, pigs, vibrio cholerae live vaccines effects on 9033.
phagocytosis, Propionibacterium acnes, vaccines, induction, splenomegaly, mice 10265
phagocytosis, Staphylococcus aureus, Pseudomonas aeruginosa, man, rabbits, rats, hamsters, comparison 6088.
phagocytosis, Streptococcus pneumoniae, opsonization, vaccination, polysaccharides 3196

Macrophages, (continued)
phagocytosis, Treponema pallidum, inflammation, hypersensitivity (delayed), orchitis, rabbits 11613.
phagocytosis, tuftsin, immunostimulation, bactericidal activity, mice 6070.
precursors, proliferation, Pseudomonas aeruginosa, exotoxins, inhibition 10242.
presentation, Salmonella enteritidis antigens, lymphocytes T, γ-interferon production, mice 8981.
proliferation, association, BCG immunization, guinea-pigs 9028.
proteolytic enzymes release, rats liver, association liver diseases, Corynebacterium parvum endotoxins 8038.
release, hydrogen peroxide, Mycobacterium tuberculosis, experimental infection, immune response (cell-mediated), guinea-pigs 10180.
role, disease resistance, immunity, Salmonella typhimurium infection, mice 8991.
role, immunity, Streptococcus group B infection, neonates, rats 5211.
role, immunological tolerance, Mycobacterium leprae antigens, leprosy, man 5222.
Shigella flexneri, Shigella sonnei, catalase, role, survival 13051.
staphylococcus aureus, antibacterial activity 10224.
syphilis, man 604.

Macrophomina phaseolina,
interaction Rhizobium japonicum, charcoal rot disease resistance, phytoalexins production, Glycine max 4636.

Macrophytes,
detritus, biodegradation, estuaries, biogeochemistry, nitrogen, proteins 12165.
leachates, bacteria aggregation, food chains, protozoa, energy flow 10814.

Macroptilium atropurpureum,
nitrogen fixation, Rhizobium 1180.
Rhizobium lupini nodulation, rhizosphere, soil properties effects on 8193.

Macropus,
Mycobacterium intracellulare infection, diagnosis, clinical aspects 12068.

Macrosteles fascifrons,
X-disease, mycoplasma-like organisms, transmission, infectivity, Colladonus montanus 6388

Madagascar,
Salmonella, isolation, characterization 2535.

Maduromycosis,
Actinomadura madurae, pathology, treatment, man, case reports 10475.
Actinomadura pelletieri, pathology, treatment, man, Senegal 2193.
man, infection, Actinomadura madurae, drugs treatment, case reports 10287.
Streptomyces somaliensis, diagnosis, man 3503.

Magnesium,
detergents, alkaline phosphatase, Bacillus licheniformis 6620.
effects on aminoglycoside antibiotics antibiotic sensitivity testing, clinical isolates, Pseudomonas aeruginosa 6782.
effects on, antibiotic sensitivity testing antibacterial activity, Pseudomonas aeruginosa, gentamicin 387
effects on Bacillus subtilis transformation, phage SPP1 transfection 1644.
effects on dimerization, phosphorylation, phosphoenolpyruvate-protein phosphotransferase, Escherichia coli 7579.
effects on nucleotides binding, adenosinetriphosphatase activation, chromatophores, Rhodospirillum rubrum 6554.
Escherichia coli, content 4087
interaction, elongation factor Tu, GDP analogs complex, N.M.R., E.S.R., Bacillus stearothermophilus 11084
ions, binding, elongation factor Tu proteins, Bacillus stearothermophilus 4829.
ions, effects on rRNA 23S, Escherichia coli 8504.
role cell membranes permeability Halobacterium halobium 7400.
treatment, acne, efficacy 1945.

Magnesium phosphate,
effects on, glycine decarboxylase biosynthesis, Nocardia butanica 3989.
effects on Streptomyces kitasatoensis leucomycin biosynthesis, association, cultural characteristics 4164.

Magnesium phosphates,
Nocardia butanica mutants, L-serine biosynthesis role 7531.

Magnesium sulfate,
treatment, diarrhea, digestive tract, microflora, clinical aspects, case reports, dogs 10643.

Magnetic fields,
bacteria, geotaxis, reviews 7411
bacteria, taxis, characterization 6498
effects on, Escherichia coli, radioresistance, U.V. radiation 6851.
orientaton optical properties, reaction centers, chlorophyll b, Rhodopseudomonas viridis 8475

Magnetic susceptibility,
nitrogenase molybdenum-iron protein, N.M.R., Azotobacter vinelandii 8518.

Magnolia grandiflora,
phenols, antifungal activity, antibacterial activity, fungi, bacteria 448.

Maintenance,
R factor Rms201, Escherichia coli, mutants, antibiotic resistance, ampicillin 1691.
Inc-Q plasmid, Agrobacterium tumefaciens, effects on, tumorigenicity 2926.
intestinal microflora, Cercopithecus aethiops, role, pancreas 1046.
plasmids, Escherichia coli, continuous culture, effects on, growth 1667.

Maize mosaic virus,
Zea mays, stunt, Spiroplasma citri, multiplicity of infection, Jamaica 7307.

Malabsorption,
association, intestine dysbacteriosis, treatment, pathology, dogs, case reports 12072.

Malachite green,
+2(p-iodophenyl)-3-(p-nitrophenyl)-5-pheryl tetrazolium chloride, staining, filamentous microorganisms, observation methods, activated sludge 5568

Malassezia ovalis,
effects on skin, man, psoriasis 10288.

Malate dehydrogenase,
association, Vibrio classification 4925.
biosynthesis, Escherichia coil, catabolite repression, induction, association, cyclic AMP 8622.
Escherichia coli, isolation, characterization 4867
purification, characterization, bacteria 12608
purification, methodology, Rhodopseudomonas sphaeroides 9754.
Thermus flavus, purification 4861.

Malate dehydrogenase (oxaloacetate-decarboxylating) ($NADP^+$),
purification, characterization, Clostridium thermocellum 4065.

Malaysia,
cattle, buffaloes, Pasteurella multocida, isolation, biochemical characteristics, serotyping 34
cholera, man, transmission (horizontal) 6205

Malaysia, (continued)
Macaca fascicularis, Rickettsia tsutsugamushi seroepidemiology 1076.
man, melioidosis, clinical aspects, diagnosis, treatment 1995.
man, meningitis, Listeria monocytogenes, case reports 13215.
man, pregnancy, gonorrhea, screening, relationship, prophylaxis 927.
nitrogen fixation, incidence, soil, distribution 3710.
Rickettsia tsutsugamushi, antigenic characteristics, classification, Trombiculidae isolates 1867.
urethritis, man, case reports 6246.

Males,
campylobacteriosis, prophylaxis, vaccination, efficacy, cattle 3259.
cattle, campylobacteriosis, incidence, Germany, Fed. Rep. 7282.
cattle, genital tract infection, Mycoplasma bovigenitalium 9372.
homosexuality, proctitis, role, microorganisms 5324.
man, Chlamydia trachomatis, sexually transmitted diseases, clinical aspects, treatment 9154.
man, Chlamydia urethritis, treatment, doxycycline, tetracycline 5329.
man, homosexuality, anorectal infection etiology 5345.
sheep, Brucella ovis, infection, prophylaxis, Brucella melitensis, vaccination 4327

Maleylacetoacetate isomerase,
N-ethylmaleimide inhibition, Vibrio 2775.

Mali,
Leguminosae, Vigna sinensis, Rhizobium nitrogen fixation 9439.
man, Onchocerca volvulus infection, incidence, leprosy hospitals 686.

Malic acid,
regulation, Rhizobium leguminosarum, glucose transport 6510.

L-Malic acid,
fermentation, bacteria, detection, lactate dehydrogenase use, microorganisms 12386.

Malnutrition,
association, septicemia, preoperative risk factors, man 10593.
Escherichia coli peritonitis, feeding regimes effects on, rats 1107.

Malolactic bacteria,
isolation, wine, methodology 1253.

Malolactic fermentation,
bacteria, isolation, characterization, wine 32

Malonate decarboxylase,
Pseudomonas putida, purification, characterization 4868.

Maltitol,
effects on dental plaque acid production, man 13113.

Maltodextrin,
transport, Escherichia coli, association, lamB gene proteins 8637.
transport, Escherichia coli, role, proteins, gene malK, gene malF 8635.

Maltodextrin phosphorylase,
amino acid sequence, Escherichia coli 8586.

Maltose,
association, Escherichia coli spheroplasts interaction maltose-binding protein 8372.
chemotaxis, characterization, Escherichia coli 8373
malT gene expression regulation, association, transcription, translation, Escherichia coli 12786.
negative Neisseria meningitidis, incidence, meningitis epidemics, man, Spain 3404.
transport, Escherichia coli 8638.
transport, Escherichia coli, association, lamB gene proteins 8637.
transport, Escherichia coli, inhibition, procaine 1341.
transport, Escherichia coli, role, proteins, gene malK, gene malF 8635.

Maltose transacetyltransferase,
Escherichia coli, characterization 8601.

Maltose-binding protein,
amino acid sequence, Escherichia coli 8521.
association, membrane vesicles, membrane potential effects on, Escherichia coli 12291
cell membranes transport 8541.
chemotaxis relationship dimerization, Escherichia coli 8359.
Escherichia coli, interaction, membrane vesicles 8538
Escherichia coli, role, maltose transport 8638.
Escherichia coli, secretion mechanisms, genetic analysis 8532.
interaction, Escherichia coli spheroplasts, association, maltose 8372.
phage 2 receptors proteins, interaction, Escherichia coli 5008.

Maltotriitol,
effects on dental plaque acid production, man 13113.

Malus,
agglutinins, Erwinia amylovora cell walls receptors, characterization 4944.
hybrids, indicators, viruses, Mycoplasma 1137.
proliferation disease, characterization 10747.
seeds, plant extracts, agglutination factors, Erwinia amylovora, characterization 4719.

Malus pumila,
blister spot, Pseudomonas syringae, susceptibility, seasonal variations 9410.
Erwinia amylovora infection routes 1152.
Erwinia amylovora, polysaccharides, xylem, pathogenesis, electron microscopy 3662.
Mycoplasma plant diseases, Belgium 12094.
phylloplane microflora, yeasts, bacteria, seasonal variations, 4627.
proliferation, Mycoplasma-like organisms persistent infection 12098.
Pseudomonas syringae blister spot, detection methodology 13432.
Pseudomonas syringae pv.syringae, Pseudomonas syringae pv.papulans, infection, media (selective), detection 9508
replant disease, soil microorganisms, Pratylenchus penetrans, role 12103.
xylem, infection, Erwinia amylovora, role, polysaccharides 4604.

Mammalia,
Brucella abortus, Francisella tularensis, incidence, Canada 1070.
Chlamydia infection, zoonoses, man pathogenicity 7176.
hosts, Rocky Mountain spotted fever, Rickettsia, USA, California 1031.

Mammalian cells,
cell lines, contamination, Mycoplasma hyorhinis, antibiotics treatment 8281.
Mycoplasma, infection, adenosine phosphorylase, use, detection 11137.
receptors, binding Mycoplasma pulmonis cell surface glycoproteins, role virulence 10169.
replication, Escherichia coli gpt gene, SV40+pBR322 plasmid recombinants 8676.
SV40 genes transfer, plasmids, genetic engineering 8675.
tumorigenesis, role mutagenesis, bacteria, toxicity testing 5569.

Mammary gland,
abscesses, Corynebacterium pyogenes, Streptococcus, Staphylococcus, Bacteroides,

Mammary gland, (continued)
Clostridium, pigs 5477
abscesses, Corynebacterium renale, man, case reports 2185
epithelium cells, cattle, cell adhesion, Streptococcus agalactiae 12051
Escherichia coli, mastitis, epithelium regeneration, ultrastructure, experimental infection, cattle 2365
infection, Staphylococcus aureus, relationship, diploidy cell number, cell volume, goats 10672
leukocytes (polymorphonuclear) migration, Staphylococcus aureus, mastitis, cattle 8951
leukocytosis, Escherichia coli endotoxins induction, guinea-pigs 5177
Streptococcus agalactiae, Staphylococcus aureus, Staphylococcus hyicus, infection, cattle, aflatoxin, effects on 1097
Mammary tumor virus,
concurrent infection, Mycoplasma hyorhinis, mice tumor cell lines, association, cells detachment factors 4679
Man children,
tonsillitis, pneumonia, cervix, , infection, bacteria, treatment, cefotiam 3344
Management,
endocarditis, bacteria, diagnosis, association, drug addiction, man 11939
endocarditis, ECG, man 2198
nosocomial infection, man, hospitals 10558
sepsis, man 5370
Mancozeb,
+benomyl, media (isolation), Azotobacter, Beijerinckia 3
soil microorganisms, effects on carbon dioxide fixation 6833
Manduca sexta,
biological control, Bacillus thuringiensis, Bacillus cereus, proteins characterization 5729
Mangagese,
E S R , spores, Bacillus megaterium 8353
Manganese,
E.S.R., cytochrome c oxidase, Paracoccus denitrificans 4023
distribution, Bacillus coagulans spores, electron probe analysis 87
effects on dimerization, phosphorylation, phosphoenolpyruvate-protein phosphotransferase, Escherichia coli 7579
films, Metallogenium bioaccumulation, soil, desert varnish 6415
GDP elongation factor Tu complex, E.S.R., Escherichia coli 4812.
ions, binding, elongation factor Tu proteins, Bacillus stearothermophilus 4829
removal, oxidation, catalysts, bacteria, coastal waters 7477
stimulation, deoxyribonuclease I, isolation, characterization, Bacillus subtilis 3990
Streptococcus mutans, effects on, carbohydrate metabolism, induction dental caries 12400
transport, cadB gene, cadA gene, plasmids, vesicles, Staphylococcus aureus 6500
Manganese sulfate,
nitrogen-fixing bacteria, effects on nitrogen fixation 13482
Manihot esculenta,
blight, symptoms, Xanthomonas manihotis, Erwinia carotovora, isolation 9387
blight, Xanthomonas campestris pv manihotis, pathology, South Africa 10748
Xanthomonas manihotis disease transmission, Insecta vectors 6397
Mannans,
Pseudomonas diminuta, structure 218
Mannitol,
effects on, Escherichia coli, colon, gas production, intestinal microflora, endoscopy, man 3263
fermentation, Clostridium difficile identification 5592
media (culture), use, diagnosis, mastitis, cattle 16
Mannitol-binding protein,
Pseudomonas aeruginosa, characterization 12559
Mannosamine,
distribution, cell walls, Bacillus 5803
Mannose,
resistance, hemagglutinins, Escherichia coli, serological surveys 3238
transport, catabolism, Rhizobium meliloti 12439
Mannose isomerase,
Escherichia coli, mutants, mannose isomerase, characterization 1497
β-D-Mannosidase,
isolation, bacteria 1513
Manure,
digestion (anaerobic), methanogenic bacteria, growth, media (culture) 8419
fertilizer applications, crop fields, coliforms, streams, water pollution 8240.
+fertilizers, effects on, soil microorganisms, rhizosphere, Areca catechua 4635
inoculum, pigs, association, starter cultures, Bacillus, isolation, characterization 10851
pathogens, bacteria, factors affecting soil survival 10789.
soil amendment, effects on, Azotobacter colonization, Gossypium hirsutum rhizosphere 5529.
soil amendment, Salmonella typhimurium, indicator species, survival, pasture 12142
treatment, variability, denitrification, soil 2443.
Mapping,
restriction endonuclease, DNA, formate dehydrogenase, plasmid pBL101, genes, Escherichia coli 6755.
restriction endonuclease, DNA homology, plasmids Rhizobium, Agrobacterium tumefaciens, hybridization 5868.
restriction endonuclease inhibitor genes, phage T4, lysogenization, cloning, Escherichia coli 7673
restriction endonuclease, phage B DNA 1637.
restriction endonuclease, plasmid pUB110, plasmid pBD9, Bacillus subtilis 5026
restriction endonuclease, relationship lysine auxotrophy alterations plasmid pWB1 5867.
restriction endonuclease, Salmonella typhimurium histidine operon 1601.
ribose operon, Escherichia coli 8672.
mRNA, Agrobacterium tumefaciens Ti plasmid, crown gall, Nicotiana tabacum 7691
uidA gene, uidR gene, Escherichia coli 6691
Maraxella bovis,
keratoconjunctivitis, vaccination, immune response, juveniles, cattle 9050.
Marcrophages,
cytotoxicity, immune response, Escherichia coli, Staphylococcus aureus, opsonization 9000.
Marek's disease,
infection, effects on, immune response, Mycoplasma synoviae, chickens 1887.
Maridomycin,
biosynthesis, Streptomyces hygroscopicus, phosphate, dissolved oxygen, effects on 5039.
Marine bacteria,
nucleosides, purines, transport, characterization 6516
Marine environment,
algae extracts, antifungal activity, antibacterial activity 1772
Antarctica, nitrifying bacteria, primary production 1234.
bacteria, cyclic AMP uptake 4771.
bacteria growth, dissolved organic carbon levels effects on 6433.
bacteria isolates, metabolism, carbon sources effects on 4746.
bacteria, lysis sensitivity, factors affecting 12334.
bacteria, nitrification, ammonium oxidation 10804
bacteria, physical properties 5547.
bacteria, population density, sediments 8205.
bacteria, substrate specificity, enumeration, use, microscopes 1276.
bacteria, sulfur cycles, seasonal variations 5544.
Bdellovibrio isolation, enumeration, growth, marine environment, parasitism, lysis, Vibrio parahaemolyticus 9630.
British Isles, sediments, cellulolytic bacteria enumeration 2498
ecological distribution, Vibrio parahaemolyticus, incidence, Peru 12171.
ecosystem analysis, microcosms, conferences 8248.
Edwardsiella tarda, temperature, pH, sodium chloride, effects on, growth 12173.
filamentous microorganisms, fouling, metals surfaces, cleaning, effects on 4650.
Galapagos, hydrothermal vents, isolation, anaerobic bacteria, Spirochaeta 8245.
halophilic bacteria, Pseudomonas, Acinetobacter, Flavobacterium, Caulobacter 5546
hydrocarbons biodegradation 10983
isolates, bacteria, Pseudomonas, hydrocarbons biodegradation, role plasmids 8412
isolates, Vibrio vulnificus, biochemical characteristics, base composition 8295.
isolation, coliforms, media (selective) 8.
marine microorganisms, community composition, oil pollution, oil installations 9490
pathogens ecology 6439.
Pisces, vibriosis, quinolines disease control 8090.
pollutants, biodegradation, heterotrophic bacteria, measurement 8395.
primary production, organic matter 2480.
Prorocentrum, algal blooms, decomposition, bacteria, Japan 6437.
Pseudomonas aeruginosa, Escherichia coli, drug resistance, heavy metals, antimicrobial agents 459.
sediments, aerobic bacteria, heterotrophs, relationship, sulfate-reducing bacteria, metals tolerance 12154.
sediments, bacteria, ammonification, organic matter decomposition 5543.
sediments, bacteria enumeration, fluorescence microscopy 18.
sediments, environmental conditions, anaerobic conditions 8220.
sediments, methane oxidation, methylotrophic bacteria 1244.
sediments, sulfate-reducing bacteria, utilization, hydrogen, fatty acids 112.
sediments, USA, Virginia, bacteria, distribution, identification, association, pollution 12158
South Africa, bacterioplankton, energy flow, detritus, reefs 2485.
sulfate-reducing bacteria hydrogen sulfide, chromium reduction 2495.
vertical distribution, species composition, abundance, heterotrophic bacteria 8246
Vibrio parahaemolyticus, distribution, seasonal variations 6448.
Marine environments,
bacteria, cell division, growth rate, mathematical models 3733.
bacteria, isolates, succinate dehydrogenase, electron transport, sodium ions, effects on 2677
benthic zone, bacteria, microflora, Hirondella gigas, pressure effects, temperature effects, isolation 3651.
isolates, Vibrio natriegens, AMP metabolism, relationship, adenylate kinase enzymatic activity 2772.
Japan, aerobic bacteria, heterotrophic bacteria, decomposition, animals cadavers 8451
Japan, bacteria, lipolysis, proteolysis, association, animals cadavers decomposition 8458.
microorganisms, mineralization, glucose, uptake, corexit 9527, dispersants, effects on 2643
nitrogen-fixing bacteria, Vibrio diazotrophcins sp.nov., characterization 8349.
Pseudomonas isolation, proteinase purification 8592.
sediments, Beneckea, isolation, identification 3740.
spirochaetes, amino acids fermentation, ATP biosynthesis 2723.
sulfur bacteria, algae, brines, effects on 3744.
Marine microorganisms,
bacteria, colonization, paints+antifouling agents 10806.
bacterioplankton, heterotrophy, fresh water effects on, Canada 2482.
community composition, oil pollution, oil installations, marine environment 9490.
estuaries, bacteria, nutrient requirements 8243.
Gram stain, methodology 12245.
metabolism, hydrocarbons, seawater, measuring techniques 2478.
washing treatment, effects on, outer membranes 12347.
Marine organisms,
antimicrobial agents biosynthesis 8817
Marine pollution,
Pseudomonas, plasmids, petroleum marine pollution 12832
Markers,
competition, nodulation, Rhizobium leguminosarum, use, streptomycin antibiotic resistance, phage typing 9458
Marmosets,
experimental infection, genital tract, Chlamydia trachomatis, immunity, animal models 6218
Marmota monax,
Dermatophilus congolensis infection, occurrence, USA, New York 3636.
Mars,
soil minerals, +hydrogen peroxide, effects on Bacillus growth 11009.
Martin-Lewis medium,
+vancomycin, inhibition, Neisseria gonorrhoeae, clinical isolates, association, susceptibility, plasmids charactrization 7376.
Masopharynx,
tuberculoma, man, case reports 1997
Mass spectroscopy,
antrimycins, structure, biosynthesis, Streptomyces xanthocidicus 7757.
bacteria cell walls, levels, acetamide, propionamide 9589.
chemical analysis, mycolic acids, Corynebacterium 11222.
Mycobacterium, identification, pyrolysis products 5583.
Mast cells,
histamine release, induction, bacteria lipopolysaccharides, role periodontal diseases, rats 7927

Mastitis,
antibiotics prophylaxis, relationship, weaning, sheep 2391.
association, Aeromonas hydrophila, cattle 3642
association, Escherichia coli toxins, cattle 4567.
association, Mycoplasma agalactiae subsp.bovis, cattle, Germany, Fed. Rep. 5486.
Bacillus cereus, diagnosis, cattle 3641.
bacteria, control programs, cattle, Netherlands 7259.
bacteria, disease control, cattle 3608.
bacteria, factors affecting, drugs treatment, cattle 13381.
bacteria, milk production, diploidy enumeration, cattle 13398.
case surveys, cattle, Netherlands, British Isles 12054.
cattle 13402.
cattle, clinical isolates, Klebsiella, Escherichia coli, Staphylococcus aureus, antibiotic resistance 5107.
cattle, diagnosis, cells enumeration 7274.
cattle, isolates, Staphylococcus aureus, coagulase negative Staphylococcus, antibiotic sensitivity testing 385.
cattle, role, milking machines 3586.
cattle, Serratia liquefaciens etiology 5462.
cattle, Staphylococcus aureus, Streptococcus, treatment, prophylaxis, antibiotics 5483
cattle, Staphylococcus aureus, treatment, penicillin 1067.
cattle, Streptococcus agalactiae, milk yield 5465.
cattle, subclinical infection, diagnosis, pathology 7248.
cattle, udder, pathology 5485.
Chlamydia, diets, cattle 4545.
coliforms, role straw hygiene, housing, cattle 10666
control, cattle, Netherlands 1058.
control programs, cattle, Czechoslovakia 2383.
cow's milk, disease transmission, Streptococcus zooepidemicus, infection, chickens 4574.
diagnosis, cattle 13389.
diagnosis, milk, electrical conductance, cattle 10657.
diagnosis, use, mannitol media (culture), cattle 16.
disease control, cattle 12050.
disease control, cattle, reviews 9348
disease control, teat dips, cattle 1074.
effects on, citric acid, levels, milk, cattle 3622
effects on milk production, cattle, mathematical models 2337.
Escherichia coli, cattle 13383.
Escherichia coli, factors affecting, cattle 1120.
Escherichia coli, mammary gland, epithelium regeneration, ultrastructure, experimental infection, cattle 2365
Escherichia coli, milk, levels, glucocorticoids, bovine serum albumin, cattle 12069
etiology, Bacteroides fragilis, Peptococcus indolicus, Eubacterium lentum, Eubacterium aerofaciens, Propionibacterium granulosum, Streptococcus, role, cattle 3635
etiology, incidence, cattle, Brazil 7266.
hygiene, cattle, conferences 10826
incidence, cattle 7255.
incidence, cattle, Canada 8111
isolates, Streptococcus agolactiae, Staphylococcus aureus, antibiotic resistance, streptomycin, neomycin, cattle 10019.
metronidazole treatment, puerperium, man 7117.
milk isolates, Nocardia asteroides, Mycobacterium, cattle 2387.
Mycoplasma bovis, cattle 8106.
Mycoplasma bovis, cattle, reviews 10698.
Mycoplasma, diagnosis, disease transmission, cattle 3573.
pathogenesis, role rumen absorption, Escherichia coli endotoxins, cattle 11492.
pathogenesis role Streptococcus group G antigens, cattle 8109.
pathogens, identification methodology 7363.
prophylaxis, vaccination, cattle 7244.
Proteus mirabilis, pathology, cattle, case reports 7246.
Pseudomonas aeruginosa, outbreaks, cattle, case reports 3568.
relationship, Escherichia coli, phage typing, cattle 10877.
role milking machines, cattle 10683.
role milking machines contamination, cattle 10671.
role milking machines, vacuum, cattle 10673.
Serratia marcescens, cattle, teat dips, antibiotics treatment, case reports 13393
sheep, prophylaxis, Staphylococcus aureus vaccines 619.
Staphylococcus aureus, cattle, milking machines, vacuum, effects on 4570.
Staphylococcus aureus, experimental infection, histopathology, cattle 2393.
Staphylococcus aureus, incidence, cattle, Norway 5482.
Staphylococcus aureus isolates, methicillin, antibiotic resistance, cattle 5106.
Staphylococcus aureus, leukocytes (polymorphonuclear) migration, mammary gland, cattle 8951.
Staphylococcus aureus, prophylaxis, teat dips, chlorhexidine digluconate+glycerin, cattle 5453.
Staphylococcus aureus, prophylaxis, teat dips, hygiene, cattle 7279.
Staphylococcus aureus, Streptococcus, epidemiology, cattle 13399.
Staphylococcus aureus, teat, udder, morphology, relationship, cattle 3581
Staphylococcus, Streptococcus, diagnosis, goats 7271.
Staphylococcus, treatment, spiramycin, pharmacokinetics, cattle 3634
Streptococcus, disease control, cattle 2339.
Streptococcus group B, experimental infection, glucose, albumin, somatic cells, levels, cattle 3624
Streptococcus isolates, cattle, penicillin antibacterial activity 5105.
treatment, antibiotics, cattle 2358.
Mastitis-metritis-agalactia syndrome,
prophylaxis, antibiotics, feeds, pigs 5454.
Mastoiditis,
Pseudomonas aeruginosa, moxalactam treatment, man 11748.
role, Staphylococcus aureus, Pseudomonas aeruginosa, Proteus, children 1987
Mastomys natalensis,
females, prostatitis, experimental infection, Klebsiella pneumoniae, pathology 2074.
susceptibility, Yersinia pestis, experimental infection, zoonoses 3616.
Maternal behavior,
eggs, hygiene, effects on, Labidura riparia 2390
Maternal effects,
children, saliva, Streptococcus mutans, adherence, surfaces, in vitro 2608
dental caries prophylaxis, Streptococcus mutans, man 13101
Maternal transfer,
antibodies, arthritis, failure, horses 1098
Maternal transfer, (continued)
antibodies, role, Streptococcus group B infection, infants, man 608.
antibody response, immunization (passive), Escherichia coli+rotavirus, juveniles, cattle 9054.
antigen-antibody complexes, Clostridium tetani toxoids vaccination, guinea-pigs 9038.
BCG antibodies, dogs 528.
diets, fatty acid composition, effects on Lactobacillus intestinal microflora, establishment, gnotobiotics, neonates 1123.
immunity (passive), Escherichia coli, vaccination, antibody response, pregnancy, juveniles, pigs 5257.
immunity, Streptococcus pneumoniae polysaccharides vaccination, man, mice 6932.
Streptococcus group B, neonates, man 2085.
Mathematical models,
ammonium lactate fermentation, dialysis, Lactobacillus bulgaricus 13.
Bacillus subtilis, cell division, cell walls, assembly, ultrastructure 1362.
bacteria, cell division, growth rate, marine environments 3733.
bacteria, chemotaxis 8356.
bacteria, growth, chemostats, kinetics 7476.
bacteria, growth, kinetics, continuous culture 2646.
bacteria, infection, man, disease spread, spatial distribution 10465.
bacteria, substances uptake, continuous culture 12308.
Bdellovibrio bacteriovorous, predator-prey interactions, population dynamics 6408.
Brevibacterium divaricatum glutamic acid biosynthesis, ethanol, association addition 173.
chromosomes transfer, conjugation, kinetics, Escherichia coli 242.
computer applications, predator-prey interactions, Bdellovibrio bacteriovorus, Escherichia coli 12116.
differential diagnosis, intestine infection, appendicitis, infants, man 831.
Enterobacteriaceae identification 2567.
Erwinia carotovora subsp.carotovora infection, pathogenesis, Lycopersicon esculentum 7306.
Escherichia coli growth, relationship, cell surface, cell volume 3843.
Escherichia coli, R factors loss 9893.
Escherichia coli septation 55.
growth, kinetics, Thiobacillus ferrooxidans 12433.
growth rate, bacteria 5649.
infectious diseases, outbreaks, man 952.
iron ions, oxidation, Thiobacillus ferrooxidans 12435.
macromolecules composition, bacteria, in vitro 10998.
mastitis, effects on milk production, cattle 2337.
microorganisms, colonization, surfaces 3832.
microorganisms growth 1381.
microorganisms, growth rate, nutrient deficiencies 11013.
microorganisms, metabolism, association, enzymes biosynthesis, continuous culture, reviews 8276.
nutrient requirements, optimum erythromycin biosynthesis, Streptomyces erythreus 8748.
penicillin amidase kinetics, Escherichia coli, Bacillus megaterium 4893.
plaques formation, phages, Corynebacterium diphtheriae 4995.
polymorphism, statistical genetics, microorganisms 12761.
population dynamics, predator-prey interactions, chemostats, microorganisms 10760.
postoperative infection, man 9215.
simulation, growth parameters, bacteria 1400.
Streptococcus pneumoniae vaccination efficacy, man 11642.
Matrix porin,
chemical modification, outer membranes, Escherichia coli 5734.
Maturation,
membrane proteins, Escherichia coli, protons pumps effects on 65.
Maxilla,
osteomyelitis, association, teeth eruptions, nose, children, case reports 9285.
Maxillary sinus,
bacteria microflora, man 673.
bacteria microflora, monkeys 9330.
lavage, Pseudomonas paucimobilis contamination, association, infection, man, hospitals 2015.
McCoy cells,
cell culture, Chlamydia trachomatis, Chlamydia psittaci, antigens, localization, outer membranes, immunofluorescence 3178.
cell culture, treatment, emetine, growth, Chlamydia psittaci, Chlamydia trachomatis 3763.
Chlamydia trachomatis yield, cycloheximide effects on 4683.
infection, Chlamydia trachomatis, characterization, scanning electron microscopy 8361.
infection, Chlamydia trachomatis, radiation, isolation methodology 9501.
peristent infection, Chlamydia psittaci, in vitro 1285.
Meals,
relationship, sucrose effects on dental caries, bacteria, children, Israel 11691.
Measles,
complications, pneumonia, man 3330.
vaccination side effects, differential diagnosis, toxic shock syndrome, adolescents, case reports 5321.
Measles virus,
measles, complications, pneumonia, man 3330.
Measurement,
antibacterial activity, Escherichia coli, enumeration spiral plater 5927.
antibody response, Streptococcus pneumoniae vaccination, man 638.
biodegradation, pollutants, heterotrophic bacteria, marine environment 8395.
Bivalvia filtration efficiency, bacterioplankton 6446.
membrane potential, Escherichia coli, defective mutant, lipopolysaccharides 2623.
methodology, membrane potential, photosynthesis, respiration, Rhodopseudomonas capsulata 2685.
nitrous oxide reduction, electrochemistry, electron transport, Paracoccus denitrificans 8477
pH, intracellular levels, Escherichia coli, homeostasis, N.M.R. 2650.
Streptococcus sanguis, attachment, surfaces, continuous culture 3833.
Measurements,
bacteria, algae, growth, RNA biosynthesis, methodology, evaluation, aquatic environments 2657.
Measuring techniques,
acne, bacteria, man 13081
2-aminoethylphosphonic acid content, association, rumen microorganisms, feeds 10876.
bacteria RNA biosynthesis, aquatic environment 1443.

Measuring techniques, (continued)
  bacteria RNA biosynthesis, aquatic environment 1452.
  Bacturcult test, bacteria, bacteriuria, dogs 3572.
  biodegradation, organic compounds, pesticides, microorganisms 7439.
  biomass, microorganisms, ATP 12159.
  comparison, nosocomial infection incidence, man, hospitals, reviews 10518.
  esculin hydrolysis, anaerobic bacteria 2568
  food digestion, bacteria biomass interference, rumen 10641
  nitrogen fixation, legumes 3686.
  nitrogen fixation, use, acetylene reduction, bacteria 10865
  pathology, bacteria periodontal diseases, man 13097
  phospholipase C, biosynthesis, Pseudomonas aeruginosa, urinary tract isolates 8557
  radioassays, productivity, heterotrophic bacteria 9522.
  radiometry, Mycobacterium fatty acids metabolism 12715
  redox potential, media anaerobic environments 5552.
  seawater, hydrocarbons, metabolism, marine microorganisms 2478
  soil microorganisms, biomass 3727
  soil microorganisms biomass 12118
  soil microorganisms, ethylene biosynthesis, respiration 8173.
  Streptococcus infection, dental pulp, man 13112
  sulfide, carbon dioxide, anaerobic environments, aquatic environment 8222.
Meat,
  chickens, Salmonella typhimurium, incidence, freeze-thawing, association, chemicals, treatment, effects on 3092
  chickens, turkeys, membrane filter-disc immunoimmobilization, detection, Salmonella 3605
  coliforms, enumeration, media (culture), methodology 1280.
  crabs, Clostridium botulinum, heat resistance 2652
  extracts, rabbits, antibacterial activity, Escherichia coli, Pseudomonas putida, Clostridium perfringens 7865
  isolates, identification, Staphylococcus 7391.
  phospholipase activity, Bacillus cereus, Clostridium perfringens 4223.
  public health, association, leptospirosis, leptospira, man 9232.
  Salmonella, isolates, antibiotic resistance 3064.
  spoilage, Brochothrix thermosphacta, nomenclature, taxonomy, reviews 8289
  spoilage, Pseudomonas isolates, identification, taxonomy (numerical) 9556.
  spoilage, Pseudomonas, taxonomy 8290
  spoilage, psychrotrophic bacteria, virulence, conferences, books 9499
Meat industry,
  leptospirosis, Leptospira interrogans, serological surveys, occupational exposure, man 13352.
Meat products,
  coliforms, enumeration, media (culture), methodology 1280.
  isolation, Salmonella, media (culture) comparison 9502
Mechanical stimuli,
  induction transformation, Salmonella flagella filaments 10938.
Mechanisms,
  carbamate kinase, Streptococcus faecalis 4034.
  DNA strands exchange, RecA gene proteins, Escherichia coli 4107.
  electron transport, Rhodopseudomonas sphaeroides, Rhodopseudomonas capsulata 3878.
  D-lactate dehydrogenase (cytochrome), purification, characterization, Desulfovibrio vulgaris 3957.
  micrococcin, inhibition protein biosynthesis, binding rRNA 23S ribosomal protein L11 complex, Streptomyces azureus 4157.
  pathogenicity, characterization, Neisseria meningitidis 10551.
  phenylalanine decarboxylase, stereochemistry, Micrococcus percitreus 3971.
  phenylalanine racemase (ATP-hydrolysing), enzymatic activity, Bacillus brevis 3965
  pyrroline-5-carboxylate reductase, 1-pyrroline-5-carboxylate dehydrogenase, Salmonella typhimurium 4008
  urocanate hydratase, use N M.R., Pseudomonas putida 3977
Mecillinam,
  ± ampicillin, ± moxalactam, treatment, Escherichia coli meningitis, animal models 9180.
  antibacterial activity, Escherichia coli 338
  antibacterial activity, Escherichia coli, urinary tract isolates 335.
  antibacterial activity, Shigella 1699.
  antibiotic sensitivity testing, Escherichia coli, Proteus mirabilis, Klebsiella 4169
  comparison, cephaloridine, treatment, pyelonephritis, Escherichia coli, man 10514.
  cytolytic activity, Escherichia coli 6804.
  effects on cell walls elongation, relationship, DNA replication, Klebsiella pneumoniae mutants 4172.
  induction Salmonella typhimurium ovoid form, morphogenesis, replication 1404.
  synergism, β-lactamase inhibitors, antibacterial activity 9960
Meclocycline,
  potentiation, association, propyl gallate, antibacterial activity 8790.
Media,
  Aeromonas hydrophila, hemolysins, proteinase, accumulation 1804.
  agar, shake culture, Escherichia coli, colicins, biosynthesis, competition 3676
  alkanes, mixed culture, Candida parapsilosis, Bacillus, growth characterization, association, myristic acid 8423.
  alkanes, mixed culture, Candida parapsilosis, metabolites biosynthesis, association, Bacillus stearothermophilus 8435.
  anaerobic environments, redox potential, measuring techniques 5552.
  association, antigens production, Streptococcus group E, growth 8919.
  Azotobacter, Beijerinckia, enumeration, benomyl+mancozeb 3.
  carbohydrates, association, polysaccharides degradation enzymes biosynthesis, bacteria rumen microorganisms 9780.
  carbohydrates, effects on enzymes glycosylation activity, rumen microorganisms bacteria isolates 9789
  comparison, enumeration, recovery, Clostridium sporogenes spores 6463.
  comparisons, mixotrophy, Methanosarcina barkeri, metabolism 6543.
  composition, proteinase biosynthesis, Streptomyces rimosus, Streptomyces violaceus, mixed culture 11216.
  cystine trypticase, fermentation, methodology, anaerobic bacteria 9513.
  effects on, lectins binding, Rhizobium japonicum 2428.
  glucose, Escherichia coli, phospholipids, metabolism 2835.
  Haemophilus paragallinarum hemagglutinins preparation 4253.
  nutrient content, effects on, Gluconobacter oxydans subsp.suboxydans glycerol oxidation 4767.
  protein-free, association, Leptospira vaccines preparation, immunogenicity, dogs 9046.
Media, (continued)
  role, antibiotic sensitivity testing, drug sensitivity testing, Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa 377.
  Staphylococcus aureus enumeration 4677.
  storage, cornea, bacteria contamination prevention 12218.
  transport, Mycoplasma hominis, Ureaplasma urealyticum, Mycoplasma fermentans 4667.
  +vancomycin, inhibition, Neisseria gonorrhoeae, clinical isolates, association, susceptibility, plasmids charactrization 7376.
Media (culture),
  Acholeplasma laidlawii 9516.
  acidophilic bacteria enumeration, milk, methodology 3773.
  agar, use, enumeration, Lactobacillus bulgaricus, Streptococcus thermophilus, yogurt 1275.
  association, Clostridium difficile, isolation, identification 8255.
  association, Pseudomonas, spines, production, function 7415.
  Azotobacter vinelandii, alginate production 7.
  Bacillus acidocaldarius growth conditions 12460.
  Bacillus subtilis spores production, agar 6457.
  Bactec test, bacteria isolation 4659.
  bacteria, composition, preparation, methodology 10863.
  blood agar, Mycobacterium tuberculosis 2523.
  blood culture, aerobes, anaerobiosis effects on 8263.
  Brucella abortus stabilization, viability 3768.
  Campylobacter, effects on growth 5563.
  Campylobacter fetus subsp.jejuni, moisture effects on colonial characteristics, morphology 3822.
  carbon sources, effects on Pseudomonas aeruginosa, fatty acids, polymyxin, susceptibility 2833.
  carbon sources, methanol, Pseudomonas 12.
  cellulolytic bacteria, enumeration, reservoirs 10861.
  chemical composition, effects on, gibberellin like substances, biosynthesis, isolation, Pinus silvestris, coryneforms 9814.
  Clostridium sporogenes 10867.
  Clostridium sporogenes 12203.
  cobalt chloride effects on nitrogen-fixing bacteria 13479.
  coliforms, association, gas production detection 2515.
  Corynebacterium glutamicum, nutrient requirements, L-lysine biosynthesis 8542.
  dental pulp, anaerobic microorganisms, sampling, methodology 1265.
  effects on antibacterial activity, antibiotic sensitivity testing, Legionella pneumophila 309.
  effects on bronopol stability, activity 5126.
  effects on enzymatic activity, urease, glutamine synthetase, glutamate dehydrogenase, Selenomonas ruminantium 370.
  effects on Peptococcus, Peptostreptococcus, growth, recovery 3769.
  effects on, Thermoactinomyces vulgaris proteolysis 4764.
  egg yolk agar, bacteria, detection, proteinase, role, pathogenicity 2513.
  electrolysis, factors affecting, growth conditions, Alcaligenes eutrophus 12452.
  Enterobacteriaceae acid production 9517.
  Erysipelothrix rhusiopathiae 6461.
  formaldehyde, sterilization, bacteria 12219.
  glycerol, Streptococcus faecalis subsp.zymogenes, catalase, hematin, effects on growth 1383.
  Haemophilus somnus, growth, nutrient requirements, thiamine pyrophosphate 1390.
  hexadecane, Acinetobacter calcoaceticus, growth, role, adherence 1337.
  identification, Haemophilus influenzae, differential diagnosis, Haemophilus parainfluenzae, methodology 12242.
  induction, bioluminescence, Vibrio harveyi 1416.
  isolation Neisseria meningitidis, blood culture gels 6453.
  Klebsiella, organic compounds utilization 12457.
  Kovac's test, carbohydrate composition, Vibrio, identification 12246.
  lactic acid bacteria, detection 1266.
  Legionella, methodology 3765.
  Legionella pneumophila, growth 2524.
  Leptospira, colonial characteristics, morphology 9542.
  liquid culture, Pseudomonas aeruginosa, growth, carbon sources 12352.
  mannitol, use, diagnosis, mastitis, cattle 16.
  mesophilic bacteria, pH, effects on, mesophilic bacteria temperature tolerance 117.
  methanogenic bacteria growth, manure, digestion (anaerobic) 8419.
  methodology, enumeration, coliforms, food 1280.
  methodology, mastitis pathogens identification 7363.
  Mueller-Hinton agar, γ radiation sterilization, growth, Shigella boydii, Neisseria meningitidis, Staphylococcus aureus 3762.
  Mycobacterium, characterization, association leprosy 7368.
  Mycobacterium smegmatis, effects on macromolecules biosynthesis 7429.
  Mycoplasma pneumoniae, fluorescent antibody test, diagnosis infection, man 9518.
  Myxobacterales, spores, morphology, methodology 12222.
  Neisseria gonorrhoeae, brain heart infusion, growth conditions, methodology 12205.
  Neisseria gonorrhoeae, detection, hydrogen peroxide 2522.
  Neisseria gonorrhoeae, transport 4656.
  Neisseria, identification, Phadebact test 7383.
  nutrient requirements, metabolism, methanol, hydrogen+carbon dioxide, Eubacterium limosum 115.
  nutrients, use, enumeration, heterotrophic microorganisms, bacteria, rivers 1278.
  Pasteurella multocida, agitation, methodology 10866.
  pectin fermentation, Bacteroides ruminicola, Selenomonas ruminantium, Lachnospira multiparus, Succinivibrio dextrinosolvens 9652.
  Propionibacterium acnes, growth, lecithin effects on 12389.
  Pseudomonas solanacearum, bacteriocins susceptibility, detection, isolation, soil 5558.
  Pseudomonas tomato, carbon sources, nitrogen sources, cultural characteristics 8258
  recovery, Mycobacterium tuberculosis, Streptococcus contamination 3767.
  redox potential, survival, Treponema pallidum 1420.
  Rhizobium, Azotobacter 8261
  Rhizobium, enumeration, methodology 12210.
  Rhizobium meliloti, regulation, enezymatic activity, glutamine synthetase, glutamate synthase, glutamate dehydrogenase 3984.
  role, bacteria, cosmetics preservatives neutralization 8259.
  Salmonella, meat products isolation, comparison 9502.
  serum bactericidal activity, assays, dilution tests, comparison, antimicrobial agents 6778
  soil leachates, Phytophthora cinnamomi hyphae, bacteria colonization, lysis 3678.
  Staphylococcus aureus L-form, preparation 6459

Media (culture), (continued)
  Staphylococcus aureus, thymine nutrient requirements 7364.
  Streptococcus mitior, growth, isolation, blood culture 3766.
  Streptococcus mitis, blood culture, identification 1259.
  synthetic, Escherichia coli, antigens production 3155.
  synthetic, Micropolyspora faeni, Thermoactinomyces candidus, antigens characterization 6039.
  synthetic, Xanthomonas oryzae, effects on virulence 6460.
  Treponema pallidum, factors affecting survival 8265.
  tuberculin production 1267.
  Ureaplasma urealyticum, growth, gases, composition, effects on 3838.
  urinary tract infection diagnosis, man 5322.
  use, cabbage juices, lactic acid bacteria growth 4673.
  Xanthomonas translucens f.sp.oryzicola, effects on virulence 6455.
  Yersinia enterocolitica, motility, identification, temperature effects 1348.
  Zymomonas mobilis, substrate specificity 8256.
Media (enrichment),
  Bacillus, methodology 7362.
  Campylobacter fetus, clinical isolates 5556
  Campylobacter fetus subsp.jejuni isolation 2507.
  Campylobacter fetus subsp.jejuni isolation 4655.
  comparison, isolation, Salmonella, casein, chocolate, standards 3758.
  Corynebacterium, man skin isolates, antibiotic resistance 3754.
  detection, Salmonella, food isolates 3757.
  Escherichia coli, DNA biosynthesis initiation 11055.
  glutamic acid, Corynebacterium glutamicum, biosynthesis, isolation 178.
  isolation, Yersinia enterocolitica, enteritis, man 1251.
  isolation, Yersinia enterocolitica, methodology 7355.
  isolation, Yersinia enterocolitica, milk, methodology 8252.
  Pseudomonas aeruginosa, sewage isolates 10868.
  recovery, Escherichia coli, thermal injury, methodology 4665.
  Salmonella 5555.
  Salmonella, food, detection 3757.
  Salmonella, isolation, chickens 4666
  Salmonella isolation, pigs feces 7361
  Streptococcus, growth, blood agar 1258.
  Yersinia enterocolitica 842.
  Yersinia enterocolitium, isolation methodology comparison 8264.
Media (isolation),
  antibiotics, Yersinia enterocolitica, identification, API test, biochemical characteristics 2516.
  asporogenous gram-positive bacteria 10854.
  asporogenous gram-positive bacteria, methodology 7360
  Azospirillum, Congo red, methodology 12204.
  Azotobacter, Beijerinckia, benomyl+mancozeb 3.
  Bacillus, methodology 7362.
  Bacteroides fragilis, identification 2504.
  Campylobacter fetus, clinical isolates 5556.
  cell-free system, isolation, Spiroplasma, infection, Haemaphysalis leporispalustris 6384.
  Corynebacterium suis 8254.
  Enterobacteriaceae, diarrhea man 6451
  Enterobacteriaceae, Staphylococcus aureus, blood culture 1260.
  Haemophilus vaginalis 2511.
  isolation, Salmonella, food, comparison, standards 3759
  Methanosarcina resistant mutant, use 9504.
  Neisseria gonorrhoeae 4654.
  Neisseria gonorrhoeae, hemoglobin 1262.
  Neisseria, oral cavity, man 9505.
  Pasteurella pseudotuberculosis, Actinobacillus lignieresii, lymphangitis, cattle 12260.
  Propionibacterium acnes, diagnosis, infection, man 883.
  Pseudomonas 7359.
  Pseudomonas 10856.
  Pseudomonas aeruginosa colonies 2510.
  Pseudomonas aeruginosa, Salmonella, sulfacetamide 3761.
  Salmonella 5555
  Salmonella, chickens giblets 2508.
  Salmonella, Pseudomonas aeruginosa contamination, sulfacetamide effects on 3761.
  Thermomonospora chromogena, use, kanamycin 1254
Media (selective),
  Actinobacillus actinomycetemcomitans, periodontitis incidence, juveniles, man 6155.
  Actinomyces viscosus, Actinomyces naeslundii, dental plaque, detection, enumeration 3755.
  Agrobacterium radiobacter subsp.tumefaciens, methodology 6482.
  antibiotics, reviews 6456.
  bacteriocins, isolation Pseudomonas solanacearum, soil 12132.
  Citrobacter diversus, clinical isolates, identification, kanamycin antibiotic resistance 1261
  Clostridium difficile, detection, identification 1321.
  detection, enumeration, Streptococcus bovis, polluted environments, feces, man, animals 1264.
  enumeration, feces, coliforms association, Escherichia coli 10852.
  Escherichia coli, virulence, mice 7353.
  identification, Aeromonas hydrophila 3756.
  incidence, soil microorganisms, Actinomycetes, bacteria, fungi, population dynamics 8194.
  isolation, Bordetella bronchiseptica, pigs nose 1255.
  isolation, Campylobacter jejuni, Campylobacter coli, man feces 7358.
  isolation, coliforms, marine environment, sewage 8.
  isolation, Gluconobacter, Acetobacter 7352
  isolation, Mycobacterium contaminants 4668
  isolation, Salmonella, Shigella, feces, man 2521
  lactic acid bacteria 5
  Legionella pneumophila, clinical isolates, antimicrobial agents 1257
  Neisseria gonorrhoeae 2509.
  Neisseria gonorrhoeae, vancomycin, effects on, antibiotic sensitivity testing 6817.
  peat, isolation methodology, Pseudomonas tolaasi, Pseudomonas fluorescens 8253
  Pityrosporum, isolation, identification, skin, man 5557
  Pseudomonas syringae pv.syringae, Pseudomonas syringae pv.papulans, infection, Malus pumila, detection 9508
  +rifampicin, enumeration, isolation, actinomycetes, soil microorganisms 2514
  Streptococcus group A 1268
  streptococcus group B, methodology 12202

Media (selective), (continued)
  Streptococcus identification 5594.
  Treponema hyodysenteriae isolation, characterization 9509.
  urine culture, gram-positive bacteria, Proteus mirabilis 4664.
  use, iron, nonmucoid Pseudomonas aeruginosa, cystic fibrosis clinical isolates 9506.
  vancomycin, trimethoprim, isolation, Bramhamella catarrhalis, Neisseria, respiratory tract isolates 3753.
  Yersinia enterocolitium, isolation methodology comparison 8264.
Media (transport),
  association, osmotic pressure, nutrient sources, Neisseria gonorrhoeae, clinical isolates 7356.
  bacteria, drug resistance transfer 4218.
  gelatin disc drying method, preservation, bacteria 6454.
  isolation, respiratory tract, bacteria, man 10858.
Mediastinum,
  infection, Streptococcus pyogenes, man, case reports 992.
Medicago,
  Rhizobium meliloti strains, competition, nodulation 9436.
  wilt, Corynebacterium insidiosum, phytotoxins assays 7877.
Medicago laciniata,
  roots, modulation, Rhizobium meliloti, temperature, effects on 3723.
Medicago littoralis,
  Rhizobium meliloti strains, competition, nodulation 9436.
Medicago sativa,
  acetylene reduction, nodulation, Rhizobium, semiarid environments 8175.
  agglutinins, role Rhizobium meliloti nodulation 6417.
  crown rot, Serratia marcescens, USA, Pennsylvania 12104.
  cultivars effects on, Rhizobium meliloti, nitrogen fixation 6412.
  defoliation, association, carbohydrate metabolism, growth, nitrogen fixation 5542.
  genetic analysis, nodulation, Rhizobium meliloti 8164.
  genotypes, preferences Rhizobium meliloti, association nitrogen fixation 9482.
  infection, Fusarium oxysporum f.sp.medicaginis, interaction, Corynebacterium insidiosum 13427.
  infection, Rhizobium meliloti, association, pectinolytic enzymes 10777.
  inoculation, Rhizobium meliloti, resistance, Corynebacterium insidiosum, association, nitrogen fixation 3664.
  inoculation, soil, distribution, Rhizobium meliloti 9485
  microflora root rot, bacteria, fungi, Fusarium 6394.
  nitrogen fixation, growth, nitrogen sources, soil characteristics 12130.
  nitrogen fixation, nodulation, roots mass, Rhizobium meliloti, sulfur, nitrogen, effects on 2451.
  nitrogen fixation, phosphate, mobilization 3718.
  nitrogen fixation, phosphorus, lime, effects on 1204.
  nitrogen fixation, potassium, effects on 8192.
  nitrogen fixation, Rhizobium meliloti, soil pH effects 1182.
  nodulation, Rhizobium meliloti competition 5532.
  nodulation, Rhizobium meliloti, fungicides seed treatments effects on 1187.
  nodulation, Rhizobium meliloti strains effects on 6426.
  potassium fertilizers, effects on nodulation, nitrogen fixation, nodules enzymatic activity 1167.
  Rhizobium, acid, alkaline, reactions, biochemical analysis, 2579.
  Rhizobium meliloti, distribution, senescence, association, photosynthate 2446.
  Rhizobium meliloti, nodulation, association, rhizoplane 9430.
  Rhizobium meliloti, nodulation, growth, thiram, effects on 3094.
  Rhizobium meliloti strains, competition, nodulation 9436.
  Rhizobium, quality, γ radiation, steam, sterilization, effects on 2463.
  rubidium, transport, Corynebacterium insidiosum, infection, effects on 1354.
  silage, sheep, feeds digestion 12029.
  susceptibility, Rhizobium nodulation 4633.
  symbiosis, Rhizobium meliloti, sulfur, nitrogen, effects on nitrogen fixation 13480.
  wilt, Corynebacterium insidiosum, infection effects on amino acids levels 13437.
  wilt, Corynebacterium insidiosum, inhibition Fusarium oxysporum f.sp.medicaginis 10739.
  wilt, Corynebacterium michiganense 12113.
  witches' broom, mycoplasma-like organisms incidence, Czechoslovakia 2414.
  yield, incidence, wilt, Corynebacterium michiganense 12112.
Medicago truncatula,
  Rhizobium meliloti strains, competition, nodulation 9436.
Medicago trunculata,
  nitrogen fixation, growth, Graminae competition, phosphate levels, effects on 4643.
Medical equipment,
  blood pressure monitoring, septicemia, nosocomial infection, etiology, man 11872.
  risks, nosocomial infection, man, hospitals 10532.
Medical importance,
  β-lactamase inhibitors association antibiotic resistance, bacteria 12929.
  penicillins, cephalosporins 8771.
  role, Streptococcus pneumoniae, historical accounts 7347.
  tuberculosis, Mycobacterium tuberculosis, reviews 7000.
Medical instruments,
  association, nosocomial infection, urinary tract infection, serratia marcescens, disease control, man 10406.
Medicinal plants,
  Surinam, plant extracts, antimicrobial activity, Bacillus subtilis, Staphylococcus aureus, Escherichia coli, Aspergillus niger, Candida albicans 7856.
Medicine,
  China, People's Rep., treatment, pneumonia, children 10346.
  feed additives, +Erysipelothrix rhusiopathiae vaccination, swine erysipelas prophylaxis, immune response, pigs 5255.
  microbiology, conferences 3749.
Mediterranean Sea,
  bacteria, symbiosis, Porifera 1127.
Medulla oblongata,
  abscesses, association, bacteria infection, case reports, sheep 9350.
Megamonas hypermegas gen.nov. comb.nov.,
  Bacteroides hypermegas reclassification 12252.
Megasphaera elsdenii,
  apoflavodoxin interaction prosthetic groups, N.M.R. 3874.
  culture, starvation, effects on survival 97.
  DL-lactate fermentation, rumen 12358.
  flavodoxin, FMN binding, N.M.R. 7536.
  incidence, lactic acid utilization, association, pH 10985

- **Megasphaera elsdenii, (continued)**
  - intestinal microflora, competition, Streptococcus bovis, Cattle 7222.
  - uptake, sugars, phosphoenolpyruvate fructose phosphotransferase, characterization 2799.
- **Melaleuca leucadendron,**
  - swamps, nitrogen fixation, Australia 1184
- **Melanin,**
  - Gluconobacter oxydans, biosynthesis, characterization 12499
- **Meleagris gallopavo,**
  - isolation, Salmonella, USA, Florida 1049
  - sinusitis, Mycoplasma gallisepticum, pathology, case reports 10691
- **Meles meles,**
  - tuberculosis, Mycobacterium bovis, epidemiology 7228
- **Meles meles anakuma,**
  - mycoplasma, isolation 3565
- **Melice crassa,**
  - chromium concentration, role, bacteria 6389
- **Melilotus officinalis,**
  - Rhizobium meliloti nodules, nitrogen fixation, drought effects on, soils (saline) 1222
- **Melioidosis,**
  - clinical aspects, diagnosis, treatment, man, Malaysia 1995
  - Pseudomonas pseudomallei, diagnosis, treatment, immunoglobulin M, complement fixation, immunofluorescence, man 5243
- **Meloidogyne incognita,**
  - effects on Rhizobium nodulation Vigna unguiculata 7318.
  - relationship, Rhizobium leguminosarum, pathogenicity, effects on Vigna sinensis 9412
- **Melopsittacus undulatus,**
  - infection, Chlamydia psittaci, Japan 7241
  - psittacosis, Chlamydia psittaci, diagnosis, case reports 7236.
- **Membrane biosynthesis,**
  - acetate, Mycobacterium smegmatis, spheroplasts, cyclic AMP, effects on 2592.
- **Membrane capacitance,**
  - black lipid membranes, Caldariella acidophila, configurations 9667
- **Membrane composition,**
  - Escherichia coli, glycerol transport, membrane permeability 2584.
  - Escherichia coli, iron, sulfur, ferredoxin, E.S.R. 1339.
  - Haemophilus influenzae, subtypes, biotyping 4694
  - lipids, Thiobacillus thiooxidans, localization 8641
  - Streptococcus mutans, membrane structure, temperature effects 1372
- **Membrane conductance,**
  - black lipid membranes, Caldariella acidophila, configurations 9667
  - Rhodopseudomonas capsulata, relationship cytoplasmic membranes protonmotive force 12312
- **Membrane filter-disc immunoimmobilization,**
  - detection, Salmonella, meat, chickens, turkeys 3605
  - detection, Salmonella, products, eggs 2518
- **Membrane filtration,**
  - coliforms enumeration, suspended matter interference, seawater 7372.
  - counting methods, coliforms, Citrobacter freundii, false-negatives 12212.
  - enumeration, bacteria, milking machines 2526
  - feces coliforms, counting methods 5566
  - fluorescence, counting methods, bacteria, food contamination 12214
  - isolation, Yersinia enterocolitica 5554
  - thermophilic bacteria, isolation, characterization 2506
- **Membrane fluidity,**
  - relationship polymyxin B antibacterial activity, Escherichia coli 10046
- **Membrane fusion,**
  - Acholeplasma laidlawaii binding membrane fusion, rats 8992.
  - chromatophores, Rhodopseudomonas sphaeroides, function 11029
- **Membrane glycoproteins,**
  - Halobacterium cutirubrum, thermal stability 9724
- **Membrane permeability,**
  - cephalosporins, antibiotic resistance, R factors, Enterobacteriaceae 6750.
  - Escherichia coli defective mutant, DNA polymerase I uptake 6718.
  - Escherichia coli, glycerol transport, membrane composition 2584.
  - gram-negative bacteria, gram-positive bacteria, role antibiotic resistance 5939
  - gram-negative bacteria, penicillinase periplasmic space, β-lactam antibiotics antibiotic resistance 10015
  - gram-negative bacteria, role, drug resistance, chloramphenicol, plasmids 2597
  - β-lactam antibiotics antibiotic resistance, bacteria 5941
  - β-lactam antibiotics, Serratia marcescens, role, R factors 5889
  - outer membranes, association, Pseudomonas aeruginosa, polymyxin antibiotic resistance 12928
  - Pseudomonas aeruginosa, outer membranes, relationship antibiotic resistance 10941
  - Pseudomonas aeruginosa, pyocin effects on, relationship, fluorescence labelling 8786
  - Pseudomonas aeruginosa, Z61 gene mutants, association, antibiotic resistance 6513.
  - Salmonella typhimurium, role cephaloridine antibiotic resistance 10005.
  - Serratia marcescens, Escherichia coli, Corynebacterium luteum, vacuum effects on 12282
  - Streptococcus faecalis, radiation effects on 12298
  - Streptomyces refuineus, anthramycin, biosynthesis, antibiotic resistance 3053.
  - streptomycin 6-kinase, role, antibiotic resistance, streptomycin, Streptomyces 2717
- **Membrane potential,**
  - assays, chromatophores, Rhodospirillum rubrum 3825
  - Azotobacter vinelandii, measurements 4736.
  - Bacillus subtilis, assays, cations, probes, fluorescence 5617.
  - calcium, transport, Bacillus megaterium, sporulation 2619.
  - calcium transport, role ATP, Bacillus megaterium 2602.
  - effects on, Escherichia coli, mutants, phage fd pili complex 1638.
  - effects on luminescence, chromatophores, Rhodospirillum rubrum 5686.
  - effects on, maltose-binding protein, association, membrane vesicles 12291.
  - Escherichia coli, defective mutant, lipopolysaccharides, measurement 2623.
  - Escherichia coli, measurements, nitrate reduction 8367.
  - Escherichia coli, role, aminoglycoside antibiotics resistance 9985.
  - measurement, methodology, photosynthesis, respiration, Rhodopseudomonas capsulata 2685
  - merocyanine dyes effects on, spectroscopy, chromatophores, Rhodopseudomonas sphaeroides 3814.
  - Methanospirillum hungatei, Methanospirillum thermoautotrophicum 12288
  - production, chromatophores, Rhodospirillum rubrum 12281.
- **Membrane potential, (continued)**
  - protonmotive force, pH gradients, Thiobacillus acidophilus 6511
  - Pseudomonas aeruginosa, spheroplasts, respiration, cyanide resistance 12492.
  - Raman spectroscopy, β-carotene, rhodopsin, reconstitution, vesicles, Halobacterium halobium 6546.
  - relationship lactose transport, Escherichia coli 9594.
  - relationship lactose transport, Escherichia coli 9595.
  - Rhodopseudomonas capsulata, carotenoids absoprtion, kinetics 8474
  - role, energy transduction, Chlorobium limicola 12321.
  - role halorhodopsin, energetics, Halobacterium halobium 7487
  - skeletal muscle, rabbits, septic shock Escherichia coli effects on 11975.
  - Spirochaeta aurantia, role, chemotaxis, sugars 2615.
  - Streptococcus faecalis, radiation effects on 12298.
  - Vibrio alginolyticus, pH, potassium effects on 5618.
  - Vibrio alginolyticus, relationship, sodium transport, pH 10952.
- **Membrane protein,**
  - erythrocytes, cattle, Anaplasma marginale infection effects on 7240.
  - Escherichia coli, tonA gene gene products characterization 6601.
  - radioiodination, Neisseria gonorrhoeae 7527.
- **Membrane proteins,**
  - antibodies, neutralization, infectivity, Chlamydia trachomatis, HeLa cells 13036.
  - antigens, characterization, outer membranes, Micrococcus luteus 12999.
  - association, virulence plasmids, Yersinia pseudotuberculosis, Yersinia enterocolitica 8938
  - Bacillus subtilis, purification, affinity chromatography 170.
  - biosynthesis, Escherichia coli, kinetics, inhibition, cell division 8437.
  - biosynthesis, Myxococcus xanthus, association, aggregation 5610.
  - conformation, energy effects on, E.S.R., fluorescence polarization, Mycoplasma capricolum, Mycoplasma mycoides 8379.
  - electrophoresis, Bdellovibrio, strains 12548.
  - Escherichia coli, biosynthesis, genetic analysis 12552.
  - Escherichia coli, outer membranes, genetic analysis, reviews 7533.
  - Halobacterium halobium, methylation, chemotaxis, calcium regulation 8370.
  - iron regulation, biosynthesis, Escherichia coli 5731.
  - iron transport, identification, outer membranes, Escherichia coli 8523.
  - lipids interaction, gramicidin S effects on, fluorescence, Micrococcus luteus 12302
  - maturation, Escherichia coli, protons pumps effects on 65.
  - Neisseria gonorrhoeae outer membranes, leukocytes (neutrophilic) proteinase effects on 541.
  - pili, biosynthesis, Escherichia coli, role, tra gene 5839.
  - purification, peptide mapping, Neisseria gonorrhoeae 4841.
  - purification, solubilization, Staphylococcus aureus, plasma membranes 9701.
  - reviews 7407
  - role electric fields effects on polarization, membranes, Rhodospirillum rubrum, Rhodospirillum sphaeroides, Halobacterium halobium 12297.
- **Membrane structure,**
  - acetic acid bacteria spheroplasts 4725.
  - Acholeplasma laidlawii, budding release Mycoplasmatales virus-laidlawii 8715.
  - Acholeplasma laidlawii, myristic acid, lipid structure 8364
  - Bacillus cereus, role, penicillinase, biosynthesis, temperature, effects on 4054.
  - Chromatium minutissimum, cytoplasmic membranes, freeze-fracture 10958.
  - Halococcus, Halobacterium, isolation 8643.
  - Methylomonas methanica, cytoplasmic membranes, methane, oxygen effects on 10953.
  - penicillin-binding protein, Escherichia coli antibiotic resistance, moxalactam, effects on 6832
  - phototrophic bacteria, differentiation, growth conditions, electron transport, Rhodospirillales 8469
  - Streptococcus mutans, membrane composition, temperature effects 1372.
- **Membrane turnover,**
  - outer membranes, protein biosynthesis, Escherichia coli 11092.
- **Membrane vesicles,**
  - association, maltose-binding protein, membrane potential effects on, Escherichia coli 12291
  - bacteria, dihydrostreptomycin effects on active transport 9581.
  - Chlorobium limicola, photosynthesis, hydrogen production 8471.
  - Escherichia coli, interaction, maltose-binding protein 8538.
  - Escherichia coli, tetracycline, active transport, characterization 2580.
  - incorporation NADH dehydrogenase, Escherichia coli 4902.
  - D-lactate dehydrogenase reconstitution, Escherichia coli 4730.
  - Neisseria gonorrhoeae, porins, outer membranes 2728.
  - photophosphorylation, Halobacterium halobium 11026.
  - reconstitution, D-amino acid dehydrogenase, Escherichia coli 3808.
  - vanadic acid inhibition adenosinetriphosphatase, Mycobacterium phlei 3967.
- **Membranes,**
  - association, alkaline phosphatase, Pseudomonas maltophilia, Pseudomonas aeruginosa 12661
  - association, glutamate synthase (NADPH), Rhodospirillum rubrum, characterization 1502
  - association, penicillinase, isolation, characterization, Bacillus licheniformis 1536
  - Bacillus megaterium, Micrococcus luteus, protoplasts, lysis, polyene antibiotics 10940
  - Bacillus subtilis, DNA receptors localization 12324
  - Bifidobacterium bifidum, ultrastructure, freeze-fracture 12309.
  - brain, binding Clostridium tetani toxins fragments, rats 10094
  - chromatophores orientation, Halobacterium halobium 5692.
  - cytochrome c oxidase, purification, characterization, Azotobacter vinelandii 4058
  - cytochromes, ligands binding, thermophilic bacteria 6490.
  - cytoplasm, Citrobacter freundii, ATP pyrophosphatase, thermodynamics 2764.
  - diffusion, role, antibiotic resistance, tetracycline, bacteria 2609.
  - diglyceride kinase, purification, hexamethylphosphoric triamide use, vesicles, Escherichia coli 4904.
  - Escherichia coli, β-galactosidase, association, temperature-sensitive mutant, gene mapping 267.
  - Escherichia coli, CMP-N-acetylneuraminate-galactosyl-glycoprotein sialyltransferase reactivation, lipids association 6643.
  - Escherichia coli, complement, dose-response effects, effects on 1890
  - Escherichia coli, hydrogenase, association, characterization, crossed immunoelectrophoresis 2589.
  - Escherichia coli, methyl-accepting chemotaxis protein, chemotaxis, isolation 3810.
  - Escherichia coli, porins pores, diffusion, aminoglycoside antibiotics 10965.
  - Escherichia coli, protein composition, mutation, cpxA gene, cpxB gene, effects on 12788.

Membranes, (continued)
Escherichia coli, Proteus mirabilis, Enterobacter cloacae, proteins, β-lactam antibiotics penetration 10964.
Escherichia coli, Streptococcus lactis, radiosensitization, 2-nitroimidazoles 4727.
extracts, Escherichia coli, biochemical characteristics 12289.
fatty acid composition, effects on, Bacillus subtilis, sporulation 2612.
fatty acid composition, effects on Escherichia coli U.V. radiation radiosensitivity 5631.
Halobacterium halobium, gradients, potassium, sodium, role, ATP biosynthesis 10946.
HeLa cells, Clostridium difficile cytotoxicity effects on 6021.
insertion, Escherichia coli, defective mutant, nitrate reductase, formate dehydrogenase, cofactors, binding molybdenum 2848.
Klebsiella aerogenes, nitrate reductase, orientation, methodology 2586.
LamB gene, OmpC gene proteins, Escherichia coli 6599.
lipid composition, resistance, lysis association, Mycoplasma gallisepticum 6509.
lipids, incorporation, 9-(2-anthryl)-nonanoic acid, Micrococcus luteus 11240.
lipopolysaccharides, role, Escherichia coli resistant mutant, antibacterial activity, fatty acids 5147
liposomes, Staphylococcus aureus α-toxin effects on 5172.
localization, esterase, Escherichia coli 5763.
Methylosinus trichosporium, morphology, growth, methanol, methane mono-oxygenase 2642
Micrococcus radiodurans, lipids, γ radiation effects on 8633.
mutants Escherichia coli, cytochromes, reconstitution, ATP, role 7485.
Mycoplasma arginini, phospholipids crystallization, role, cholesterol 11237.
Mycoplasma gallisepticum, isolation, methodology 8371.
Mycoplasma gallisepticum, lysophospholipids hydrolysis, role, lysophospholipase 12689
Mycoplasma gallisepticum, protein composition 12343.
Mycoplasma, protons gradients 3812
NADH dehydrogenase, isolation, characterization, Rhodopseudomonas capsulata 1552.
nitrate reductase, Staphylococcus aureus, cytoplasm, characterization, crossed immunoelectrophoresis 2787.
nucleotidase, kinetics, aquatic bacteria 2760
pathogenesis, Bacillus thuringiensis, endotoxins, Insecta 8885.
penicillinase, labelling, fragments, lipoproteins, Bacillus licheniformis 1551.
phospholipids, Mycobacterium smegmatis, enzymes biosynthesis, regulation 9806
photosynthesis, Rhodopseudomonas sphaeroides, phospholipids topography 1568.
platelets, phospholipids organization, probes, use, bacteria exotoxins, phospholipase C 11480.
proteins, Escherichia coli, immunity, colicins, plasmids, gene products, gene mapping 3071.
proteins, Escherichia coli mutants, characterization 2737.
proteins, Mycoplasma gallisepticum, role, attachment, erythrocytes 2620.
receptors, binding, enterotoxins, Escherichia coli, Vibrio cholerae, cell lines, mice 11499
receptors, Escherichia coli, phage T5, attachment, kinetics, Triton X-100, effects on 1660
reconstitution, proteins interaction, lipids, Micrococcus luteus 5809
Rhodopseudomonas sphaeroides, phospholipid composition, light intensity effects on 8376.
spheroplasts, vesicles, Mycobacterium aurum, ultrastructure 1340.
Staphylococcus aureus L form, mitogenicity, lymphocytes 6913.
Streptococcus faecalis, DNA adherence sites, association, growth rate 12516.
Streptomyces erythreus, role antibiotic resistance, erythromycin 7840.
transport, Escherichia coli, complement, effects on 1886.
transport, ions pumps, reviews, books 13533.
Ureaplasma urealyticum, adenosinetriphosphatase activity 12670.
vesicles, Neisseria gonorrhoeae, purification, affinity chromatography, methodology 12227.

Membranes fluidity,
, Escherichia coli, , membranes fluidity, Escherichia coli 1368.

Memory cells,
immune response, Vibrio cholerae toxins immunization, mucosa, rats 7960
lymphocytes T, role, immune response, Listeria monocytogenes infection, Rodentia, immunological memory 4311.

Menaquinone,
bacteria, biosynthesis, reviews 11031.
destruction, Micrococcus luteus, carotenoids deficient mutant, relationship, photosensitivity 1418.
role, transport, aminoglycoside antibiotics, Bacillus subtilis 1705.
Thermomonospora association, taxonomic revision, Actinobifida chromogena 12251.

Menaquinones,
chemical analysis, Corynebacterium pyogenes, Corynebacterium haemolyticum, use, classification 9544.

Meningencephalitis,
Listeria monocytogenes, isolation, neonates, Macaca fascicularis 10686.

Meninges,
arthritis, Neisseria meningitidis, diagnosis, clinical aspects, man 7209.

Meningitis,
Acinetobacter calcoaceticus var.anitratus, neonates, man, case report 13214.
amino acids levels, cerebrospinal fluid, children 9175.
anthrax, man 13210.
antibiotics prophylaxis, neonates, man 10533.
antibiotics treatment, man 13211.
association, cerebral infarction, children 893
association, cerebrospinal fluid ceftriaxone levels, bactericidal activity, man 11845.
association, immunodeficiency, immunoglobulin A, immunoglobulin G, children 1896.
association, papilloedema, eye atrophy, incidence 901
association sinusitis, bacteria, man, case reports 9172.
association, spinal cord, infarction, case reports, children, Streptococcus pneumoniae 882.
association, ventriculitis, neonates, man, case reports 3413
bacteria, ampicillin+chloramphenicol, cefuroxime, treatment comparison, man 13218.
bacteria, antibiotics treatment, man 9178.
bacteria, association, deafness, ataxia, children 9176
bacteria, association, hearing loss, children, infants, man 7065
bacteria, cerebrospinal fluid, lactic acid, role, diagnosis, man, case reports 2129.
bacteria, diagnosis, treatment, man 9171
bacteria, diagnosis, use, bromide partition test, children 8017
bacteria, epidemiology, man 6240

Meningitis, (continued)
bacteria, etiology, infants, reviews 2131.
bacteria, recurrent infection, pathology, case reports, face, children 11843.
bacteria, treatment, children 11848.
Brucella, differential diagnosis, Mycobacterium tuberculosis, clinical aspects, man 7063.
cefotaxime treatment, Escherichia coli, man 8013.
children, Haemophilus influenzae infection, chloramphenicol treatment 10424.
children, Haemophilus influenzae type b, disease transmission, prophylaxis, rifampicin drug resistance, case reports 8856.
children, moxalactam treatment, cerebrospinal fluid distribution 10427.
children, Mycobacterium tuberculosis, diagnosis 9166.
Citrobacter diversus, outbreaks, hospitals, disease transmission, neonates, man 4443.
clinical aspects, children 10417.
Clostridium perfringens, Clostridium paraputrificum, case reports, man 6236.
complications, Haemophilus influenzae infection treatment, cefamandole, children 2216.
complications, Haemophilus influenzae, relationship, cerebrospinal fluid levels, man 11850.
creatine kinase levels, cerebrospinal fluid, plasma, Streptococcus pneumoniae, man 2120.
diagnosis, association, cerebrospinal fluid lactate content, man 11836.
diagnosis, cerebrospinal fluid levels, lactate dehydrogenase, lactates, glucose, man 2113.
diagnosis, Gram stain, man 3409.
diagnosis, latex agglutination, counter immunoelectrophoresis, man 903.
diagnosis, lumbar puncture, infants, man, case reports 3408.
diagnosis, man 2119.
EEG, children 11846.
empyema complications, treatment, infants, man, case reports 7057.
Enterobacter, Haemophilus influenzae, cefotaxime treatment, children 6238.
Enterobacteriaceae, treatment β-lactam antibiotics, pharmacokinetics, rabbits 7066.
epidemics, incidence, maltose negative Neisseria meningitidis, man, Spain 3404.
Escherichea coli, Streptococcus pneumoniae, clinical aspects, man, case reports 11839.
Escherichia coli, treatment, mecillinam, ± ampicillin, ± moxalactam, animal models 9180.
etiology, treatment, diagnosis, infants, neonates, man 2115.
etiology, treatment, man 2111.
exposure, relationship, Haemophilus influenzae, infection, man 4467.
Flavobacterium meningosepticum, epidemiology, man, case reports, New Caledonia 2127.
Flavobacterium meningosepticum, man, neonates, case reports 7038.
gram-negative bacilli, diagnosis, treatment, clinical aspects, man 7072.
gram-negative bacilli, treatment, cephalosporins, aminoglycoside antibiotics, man 905.
gram-negative bacteria, cefotaxime treatment, pharmacokinetics, children 6232.
gram-negative bacteria, geriatrics 13275.
gram-negative bacteria, treatment, cephalosporins, man 3419.
Haemophilus influenzae, acetaminophen treatment, man 10588.
Haemophilus influenzae, association, nystagmus, pathology, man, case reports 889.
Haemophilus influenzae, association, opsoclunus, case reports, man 11844.
Haemophilus influenzae, association, viruses, nasopharynx isolates, children 5336.
Haemophilus influenzae, children, case reports 7062.
Haemophilus influenzae, children, computed tomography, clinical aspects 6237.
Haemophilus influenzae, Escherichia coli, treatment, antibiotic 6059-S, children 2134.
Haemophilus influenzae, immune response, leukocytes (neutrophilic), macrophages, phagocytosis, neonates, rats 8955.
Haemophilus influenzae, incidence, children, USA 7071.
Haemophilus influenzae, incidence, pathology, clinical aspects, man, France 891.
Haemophilus influenzae, infection source, serotyping, man 2283.
Haemophilus influenzae, lipopolysaccharides, antibody response, serum levels, man 6911.
Haemophilus influenzae penicillinase detection, neonates, man 886.
Haemophilus influenzae, predisposing factors, diagnosis, man, case surveys 9174.
Haemophilus influenzae, prognosis, children 9173.
Haemophilus influenzae serotypes, treatment, man, case reports 4444.
Haemophilus influenzae, serotyping, man 9167.
Haemophilus influenzae, Streptococcus pneumoniae, treatment, β-lactam antibiotics, animal models 7073.
Haemophilus influenzae, treatment, antibiotic 6059-S, man 2020.
Haemophilus influenzae, treatment, ceftazidime, pharmacokinetics, rats 5344.
Haemophilus influenzae, treatment, chloramphenicol, children 7060.
Haemophilus influenzae, treatment, pharmacokinetics, chloramphenicol, intravenous administration, oral administration, infants, man 2133.
Haemophilus influenzae type c, treatment, neonates, man, case reports 2121.
Haemophilus parainfluenzae, clinical aspects, man, case reports 8012.
incidence, man, South Africa 2125.
Klebsiella pneumoniae, cefoperazone treatment, man, case reports 10429.
latex agglutination, , Streptococcus pneumoniae 2110.
Listeria monocytogenes, epidemiology, treatment, clinical aspects, man 2116.
Listeria monocytogenes, man, case reports 7069.
Listeria monocytogenes, man, case reports 7074.
Listeria monocytogenes, man, case reports, Malaysia 13215.
Listeria monocytogenes, monocytes phagocytosis, association, iron overload, man 8987.
Listeria, Neisseria, gram-negative bacteria, man, case surveys 3407.
man, cerebrospinal fluid, lymphocytes T subpopulations, enumeration 7936.
man, diagnosis, cerebrospinal fluid amino acids levels 8021.
man, diagnosis, cerebrospinal fluid lactates levels 8019.
man, infection, Acinetobacter calcoaceticus var. antiratus, case reports 11833.
man, infection, Haemophilus influenzae type b, ampicillin resistance, association, penicillinase biosynthesis 8816.
man, moxalactam treatment 9168.
man, Neisseria meningitidis group A polysaccharides vaccines, effects on disease transmission, nasopharynx 9032.
man, Staphylococcus aureus infection, association, diabetes insipidus, pituitary dysfunction 13213.
man, treatment, kanamycin 10419.
mice, Streptococcus group B experimental infection, antibiotic synergism, ampicillin+gentamicin 13212.
Mycobacterium tuberculosis, association, Candida albicans, secondary infection,

Meningitis, (continued)
man, case reports 2107
Mycobacterium tuberculosis, association, eye reactivity, man, case reports 7058
Mycobacterium tuberculosis, association, hypothermia, man, case reports 5341
Mycobacterium tuberculosis, cerebrospinal fluid, amino acids levels, man 5337
Mycobacterium tuberculosis, cerebrospinal fluid, lactate dehydrogenase, activity, children 8016.
Mycobacterium tuberculosis, clinical aspects, pathology, man, case reports 9177
Mycobacterium tuberculosis, clinical aspects, pathology, treatment, man 13219
Mycobacterium tuberculosis, complications, arachnoiditis, diagnosis, clinical aspects, man 3412
Mycobacterium tuberculosis, diagnosis, man 3415
Mycobacterium tuberculosis, man, case reports 7059
Mycobacterium tuberculosis, man, cerebrospinal fluid adenosine deaminase, immunity (cell-mediated) 4318
Mycobacterium tuberculosis, man, cerebrospinal fluid adenosine deaminase, immunity (cell-mediated) 4318
Mycobacterium tuberculosis, pathology, man 11840
Neisseria meningitidis, association, complement deficiency, children, siblings, case reports 988
Neisseria meningitidis, association, pericarditis, man, case reports 894
Neisseria meningitidis, diagnosis immunoelectrophoresis, man 7381
Neisseria meningitidis, infection, man, association laboratories 8018
Neisseria meningitidis, neonates, infants, diagnosis, treatment 7061
Neisseria meningitidis, recurrent infection, association, complement C6 immunodeficiency, man, case reports 906
Neisseria meningitidis, septicemia, factors affecting, military personnel, man 12028
Neisseria meningitidis, Streptococcus pneumoniae, Haemophilus influenzae, diagnosis, latex agglutination, cerebrospinal fluid, man 11838
Neisseria meningitidis, symptoms, children, case reports 2275
Neisseria meningitidis, treatment, prophylaxis, man 2118
Neisseria meningitis, clinical aspects, infants, case reports 6239
nosocomial infection, risk factors, etiology, disease control, neonates, man 11869
outbreaks, disease control, man, USA, Alaska 11834
Pasteurella multocida, case reports, neonates, man 11841
pathology, clinical aspects, man 2128
postoperative infection, brain surgery, Bacillus cereus, man, case reports 884.
prophylaxis, man, case reports, Neisseria meningitidis 896
prophylaxis, man, reviews 11980
prophylaxis, rifampicin± minocycline, man, Arctic 3410
Proteus mirabilis, neonates, man, case reports 10423.
ratio, cerebrospinal fluid, glucose, serum, man 2126
relationship, rectum fistulae, anaerobic microorganisms, man, case reports 13223
relationship, vertebrae puncture, association, bacteremia, children 6234
Salmonella arizonae, neonates, case reports 5343
Salmonella panama, neonates, man, case reports 3418
Salmonella typhi, Salmonella typhimurium, infants, man, case reports 8022
Salmonella typhimurium, chloramphenicol resistance, association, abscesses, man 10428
Salmonella typhimurium infection, nosocomial environments, case surveys 6264
serotypes incidence, man, British Isles 11835
Staphylococcus aureus, cotrimoxazole treatment, infants, man 10554
Staphylococcus aureus nosocomial infection, association, intravenous administration catheters, man, case reports 4438
Staphylococcus epidermidis, Streptococcus, Haemophilus, Escherichia coli, treatment, cefotaxime, children 895
Streptococcus bovis, association, carcinoma, colon, man, case reports 902
Streptococcus bovis, children, man, case reports 6233.
Streptococcus faecalis, diagnosis, man, case reports 904
Streptococcus group A, predisposing factors, children 2130
Streptococcus group B, experimental infection, pathology, animal models 2132.
Streptococcus group B, mortality, epidemiology, neonates, man 2123
Streptococcus group B, recurrent infection, infants, man 10422
Streptococcus group B, treatment, long-term effects, neonates, man 11868
Streptococcus milleri, case reports, man 8020
Streptococcus mitis, man, neonates, case reports 8011
Streptococcus pneumoniae, antibiotic resistance, penicillin, treatment, man 2135
Streptococcus pneumoniae, association, spleen surgery, man, case reports 2122
Streptococcus pneumoniae, dexamethasone treatment, children 10425
Streptococcus pneumoniae, epidemiology, children, infants, man 7198
Streptococcus pneumoniae, epidemiology, prophylaxis, treatment, man 2117
Streptococcus pneumoniae, man 13222.
Streptococcus pneumoniae, man, reviews 11981.
streptococcus pneumoniae, penicillin G treatment, rabbits 13209.
Streptococcus pneumoniae, treatment, cefotiam, rats 6798.
Streptococcus suis, detection, fluorescent antibody test, man 8914
Streptococcus viridans, children, case reports 9091.
susceptibility, immunogenetics, man, family studies 10185
treatment, ampicillin, administration routes, relationship, levels, serum, cerebrospinal fluid, man 899.
treatment, ampicillin, chloramphenicol, antibacterial activity, Streptococcus group B, antibiotic antagonism 3008.
treatment, cefmetazole, infants, man 985
treatment, cefoperazone, comparison, penicillins, gentamicin, animal models 11847
treatment, cefotiam, man 794
treatment, man 2114.
treatment, moxalactam, gram-negative bacilli, man 887
treatment, penicillin, chloramphenicol, role, administration routes, children 900
treatment, piperacillin, man 765.
treatment, rifampicin, Mycobacterium tuberculosis, man, case reports 888.
treatment, vancomycin+rifampicin, Staphylococcus epidermidis, man, case reports 885
ventriculitis, Pseudomonas aeruginosa, treatment, cefsulodine, levels, ventricles, man 3479.

Meningoencephalitis,
association, Mycobacterium pneumoniae infection, clinical aspects, electron microscopy, children, case reports 13220.
association, Spirillum minor, rat-bite fever, clinical aspects, man, case reports 4441.
Bacillus cereus, pathology, neonates, man, case reports 4442
Brucella abortus, diagnosis, children, man, case reports 4439.
Enterobacter sakazakii, etiology, infants, man 2279.

Meningoencephalitis, (continued)
Haemophilus influenzae, association, multiple myeloma, man, case reports 3416.
Listeria monocytogenes, epidemiology, treatment, clinical aspects, man 2116.
Listeria monocytogenes, outbreaks, sheep, Australia 3590.
Mycobacterium tuberculosis, juveniles, cattle, India, case reports 3620.

Meningomyelitis,
Brucella, man 11842.
clinical aspects, diagnosis, Treponema pallidum, man 911.
man, mixed infection, Mycoplasma pneumoniae+coxsackievirus A 10431.

Meningovascular syphilis,
association, syphilis penicillin treatment, man 11860.

Menopause,
association, anaerobic bacteria microflora, vagina, cervix, man 3269.
reproductive organs, menstrual cycle, fertility, man, leprosy, effects on 2087

Menstrual cycle,
association, bacteria microflora, vagina, association, catamenial products use, man 10283
association, Escherichia coli, adherence, man 5629
association, Streptococcus group B adherence, vagina, man 1352.
association, vagina bacteria microflora, man 10281.
man, recurrent cystitis, effects on colonization, Enterobacteriaceae, vagina 9145
relationship, Streptococcus group B incidence, rectum, man 829
reproductive organs, fertility, menopause, man, leprosy, effects on 2087.

Menstruation,
association, biochemical analysis, bacteriology, vagina, man 10553.
association toxic shock syndrome, man 12988.
negative relationship, toxic shock syndrome, man 10098.

Mentha arvensis,
growth factors, effects on Lactobacillus bulgaricus acid production 12693.

Mephitis mephitis,
Dermatophilus congolensis infection, occurrence, USA, New York 3636.
Leptospira interrogans ser. pomona, serological surveys, disease transmission, cattle, Canada 3623
leptospirosis, incidence, USA, Arkansas 5452.

2-Mercaptobenzothiazole,
bactericides, inhibition, lactate dehydrogenase, Desulfovibrio desulfuricans 8835.

Mercuric chloride,
drug resistance, Escherichia coli 3117.
Staphylococcus aureus drug resistance, zoonoses, dogs, man 9088.

Mercuric reductase,
purification, characterization, Pseudomonas aeruginosa 7615

Mercury,
association, spore coats, spores, Bacillus megaterium 5625
bacteria resistance, rivers sediments isolates, polluted environments 8860
bioaccumulation, Vibrio, Pseudomonas, Protozoa, food chains, estuarine organisms 8233.
Clostridium cochlearium, drug resistance, organic compounds, biodegradation 6521.
drug resistance, association plasmid pUO1, isolation, characterization 4138.
drug resistance, Pseudomonas aeruginosa plasmids, plasmid pYMB1 281.
drug resistance, soil microorganisms 456.
inhibition, growth, Escherichia coli 11464.
reductase, Thiobacillus ferrooxidans, activity, comparison, Escherichia coli 12615.
resistance, Yersinia enterocolitica 3110
volatilization, Thiobacillus ferrooxidans, drug resistance 1378.

Merocyanine dyes,
effects on membrane potential, spectroscopy, chromatophores, Rhodopseudomonas sphaeroides 3814

Mesentery,
lymphadenitis, Yersinia enterocolitica, thalasemia association, case reports, children, man 10507
permeability, rats, endotoxins effects on 477.

Mesocricetus auratus,
Salmonella paratyphi infection, concurrent infection, Schistosoma mansoni, characterization 7289

Mesophilic bacteria,
anaerobic microorganisms, mixed culture, cellulose conversion, ethanol 7462.
heat resistance, milk sterilization 9658
temperature tolerance, media (culture), water activity, pH, effects on 117.

Metabolic disorders,
cirrhosis, association, sepsis, pathology, clinical aspects, man 10549.
peritonitis, toxemia, man 13289.

Metabolic pathways,
1,2-didehydropipecolate reductase, Pseudomonas putida, characterization 6640
Thiobacillus, sugars metabolism 1563.

Metabolism,
acetylene, Nocardia rhodochrous 5667
adenine nucleotides, bacteria, heterotrophs, aquatic organisms 9812.
Alcaligenes eutrophus, valeramidase, formamidase, regulation, carbon sources 1553
Alcaligenes, nutrient sources, ε-aminocaproic acid dimers, characterization, association plasmids 8410.
allylglycine, cis-crotylglycine, role plasmid TOL, Pseudomonas putida 288
amino acids, proteins, mice intestinal microflora effects on 13414.
ε-aminocaproic acid, Alcaligenes, enzymes 8627.
ammonia, Gluconobacter oxydans subsp.suboxydans, glutamine synthetase+glutamate synthetase pathway, role 5655.
AMP, relationship, adenylate kinase enzymatic activity, Vibrio natriegens, marine environments isolates 2772.
Anabaena cylindrica, nitrogen, association, hydrogen uptake 3860.
arabinose, pathway, characterization, Azospirillum brasilense 5653.
association, bacteria, soil microorganisms, environments, USA, Colorado 6518.
autotrophy, association, heterotrophy growth, enzymes biosynthesis, Alcaligenes eutrophus 8561.
Bacillus cereus, growth, physiology 12411.
Bacillus megaterium, sporulation, teichoic acids, lipids 11241.
Bacillus subtilis, adenine, growth kinetics, chemostat culture 5669
bacteria, cell division, growth, conferences 13543.
bacteria, glucose, feedback inhibition, acid production, digestion (anaerobic) 8444
bacteria, guanosine 3'-diphosphate 5'-diphosphate, regulation RNA biosynthesis, protein biosynthesis 9648.
bacteria isolates, lakes, growth, carbon sources 2640.
bacteria, marine environment isolates, carbon sources, effects on 4746

Metabolism, (continued)
bacteria, pollution effects, zinc 1229.
Bacteroides theatiotaomicron, colon isolates, arabinogalactan, continuous culture 3858.
benzidine dyes, intestinal microflora, role, etiology urinary bladder carcinoma, man 13064.
benzoic acid, Pseudomonas aeruginosa, Acinetobacter, Moraxella, anaerobic conditions 102
carbohydrates, Escherichia coli, Alcaligenes faecalis 12397
carbon, Methylophilus methylotrophus 12453.
carbon monoxide, Butyribacterium methylotrophicum, characterization 5671.
carbon sources, Thiobacillus competition heterotrophic bacteria, chemostats 11011.
Chlorobium phaeobacteroides, organic compounds, lakes isolates, Israel 2649.
1-chloronaphthalene, 2-chloronaphthalene, Pseudomonas, growth association 9638
citrate, Streptococcus lactis subsp diacetylactis, correlation, plasmids 240
citrate, Streptococcus lactis supsp.diacetylactis, enzymes, characterization 2778.
Clostridium botulinum, Bacillus licheniformis effects on, association, tomatos, canned food 9424.
cyclic AMP, Escherichia coli, polyamines effects on 1366.
dental plaque, polysaccharides, dextranase, release, batch culture, Streptococcus mutans 12604.
detergents phosphate, Bacillus 3844
dimethyl disulfide, Saccharomonospora viridis, poultry wastes 123.
Escherichia coli, methionine, peptides, nutrient availability, effects on 2726.
Escherichia coli, methionine, peptides, nutrient availability, effects on 2727
Escherichia coli, Staphylococcus aureus, antibacterial activity, phanquone 3085.
fatty acids, microorganisms, anaerobic environments, salt marshes 12713.
fatty acids, Mycobacterium, measuring techniques, radiometry 12715.
fluoroacetate, Pseudomonas, Fusarium solani 1544.
folic acid, phage T4 role, Escherichia coli, gene 28, gene products 6733.
galactose, Streptococcus lactis, regulation, phosphotransferase, characterization 6637
glucose, bacteria, acid production, anaerobic conditions, N.M.R 4070
glucose, Treponema phagedenis, N.M.R 1379
growth parameters, Desulfovibrio desulfuricans, Desulfovibrio gigas, Desulfovibrio africanus, comparison, calorimetry 6539.
host response, association, sepsis, man 7156.
hydrocarbons, seawater, marine microorganisms, measuring techniques 2478.
hydrogen, relationship, nitrogen fixation, nodules, Rhizobium leguminosarum+Pisum sativum 2450.
insecticides, dieldrin, microorganisms, cuticle, Calliphora erythrocephala 8135.
intermediates, biodegradation, 4-chlorobiphenyl, bacteria 12382.
intestinal microflora, phytic acid, gnotobiotics, rats 9328.
kinetics, formic acid, Methanobacterium formicicum, Methanospirillum hungatei 12437.
Klebsiella aerogenes, citrate, citrate permease, growth rate, chemostats 2822.
Klebsiella aerogenes, growth rate effects on 8449.
Klebsiella pneumoniae, nitrogen, regulation gln gene, glutamine auxotrophy 9832.
lactate, Veillonella 4954.
Lactobacillus buchneri, arginine, arginine deiminase 1512.
linolenyl alcohol, Clostridium butyricum 126.
lipids, syphilis, man 5348.
methane, dimethyl ether carbon sources effects on, Methylococcus capsulatus growth conditions 5644.
methane, methane monooxygenase, methylotrophic bacteria, reviews 3850.
Methanococcus voltae, nutrient requirements 6537.
methanol, carbon sources, nitrogen sources, enzymes, Blastobacter viscosus 12463
methanol, hydrogen+carbon dioxide, media (culture) nutrient requirements, Eubacterium limosum 115.
methoxylated aromatic acids, bacteria 119.
microorganisms, mathematical models, association, enzymes biosynthesis, continuous culture, reviews 8276.
Mycobacterium, ethylene glycol 1391.
NAD, enzymes, role, Vibrio cholerae 5765.
naphthalene, salicylate, Pseudomonas putida, role, plasmids, chromosomes 283.
nitrogen, derepression, histidine ammonia-lyase, succinate dehydrogenase, Klebsiella pneumoniae 12647.
nitrogen, Rhodopseudomonas acidophila, glycine, aminotransferase 1545.
Nitrosomonas europoea, immobilized cells, characterization 7449.
nucleotides biosynthesis, Corynebacterium 12562.
nutrient uptake, lakes, heterotrophic bacteria, Brazil 12185.
organic compounds, biodegradation, microorganisms, eutrophic environment, lakes 12161.
orthophosphate, phytoplankton, seasonal variations, USA, California Coast 2484.
oxygen, effects on, Selenomonas ruminantium, continuous culture 9615.
Peptostreptococcus anaerobius, effects on antibacterial activity, hydrogen peroxide 6843.
phosphate, Thermus flavus, characterization 12417.
phospholipids, Escherichia coli, glucose media 2835.
pollution effects, paper mills, industrial effluents, heterotrophic bacteria, Finland rivers 12184.
porphyrins, man, leprosy 10298.
potassium, Escherichia coli, glutathione deficient mutant 12438.
ppGpp, Bacillus subtilis, role, RNA polymerase 164.
1,2-propanediol, Nocardia, nutrient sources, propylene oxide 8647.
proteinase, Thermoactinomyces vulgaris, surfactants effects on 11453.
Proteus mirabilis, swarming, effects on 2606.
Pseudomonas aeruginosa, butyramide, isolation recombination mutants 9837.
Pseudomonas aeruginosa, oxygen, effects on, glucose, tricarboxylic acid cycle, Pseudomonas aeruginosa 12440.
Pseudomonas aeruginosa, UTP, ATP, pyrophosphates, radioactive labelling 4762.
Pseudomonas, ammonia, polyacrylamide biodegradation 8415.
Pseudomonas mutants, coenzyme Q_{10}, isoprenoids 2841.
Pseudomonas pseudoalcaligenes, di-butyl phthalate, anaerobic conditions, association, nitrate 9639.
rats, Escherichia coli, Bacteroides fragilis, experimental infection, effects on 3630.
Reticulitermes flavipes, Coptotermes formosanus, bacteria symbionts effects on 5492.
Rhizobium leguminosarum succinic acid resistant mutant, characterization 5648.
rumen microorganisms, Camelus dromedarius 7226.
Salmonella, clinical isolates, lactose, plasmids, conjugation 9868.
selenalysine, Escherichia coil mutants, association, growth, protein biosynthesis 8463
selenium oxide effects on, Clostridium pasteurianum, fractionation association 12329.
sennosides, intestinal microflora, rats, mice 7224.
β-sitosterol, Nocardia, factors affecting 11235.
sodium nitrite, inhibition, Clostridium botulinum, preservatives, cured products 8820.
soil microorganisms, Triticum, soil cultivation effects on 9459
Streptococcus mutans, dental plaque, xylitol+sorbitol, effects on 435.
Streptococcus thermophilus, lactose, glucose, galactose, growth 12468.
sucrose, Streptococcus lactis 1559.
sulfur, enzymes, sulfur bacteria 12690.
thialysine, Escherichia coli, effects on growth 8441.
Thiobacillus, sugars, metabolic pathways 1563.
L-thiocystine, radioactive labelling, sulfur, Escherichia coli 12353
thymine, uptake, Pseudomonas aeruginosa 12430.
2,4`-5-trichlorobiphenyl, role intestinal microflora, mice 9323.
tryptophan, Nocardia 12436.
urea, rumen microorganisms, sheep, sucrose effects on 13360.
xylose, Klebsiella pneumoniae 1392.

Metabolites,
biosynthesis, Candida parapsilosis, association, Bacillus stearothermophilus, mixed culture, alkanes media 8435.
Enterobacteriacea, characterization, gas-liquid chromatography 8299.
Rhizoctonia bataticola, antibacterial activity, Escherichia coli, Bacillus subtilis, Staphylococcus aureus 5131.
Streptomyces tendae, nikkomycins, isolation, structure 293.

Metallogenium,
bioaccumulation, manganese films, soil, desert varnish 6415.

Metals,
aquatic bacteria adherence, polarization effects on 10933.
association, antibody response, association Actinomycetes molds 6067.
chelating agents, Streptomyces mycelia, Mucor rouxii 7623.
effects on copper bioaccumulation, Escherichia coli 121.
effects on Thiobacillus ferrooxidans iron oxidation, growth 4763.
ions, effects on adenosinetriphosphatase activity, Micrococcus luteus 4060.
Peptostreptococcus anaerobius, effects on antibacterial activity, hydrogen peroxide 6843.
sulphadimethoxine complex, antibacterial activity 11461.
surfaces, fouling, filamentous microorganisms, marine environment, cleaning, effects on 4650.
tolerance, aerobic bacteria, heterotrophs, relationship, sulfate-reducing bacteria, marine environment sediments 12154.
trace elements, effects on Streptococcus mutans growth, chemostats 3849.
workers, Clostridium tetani, tetanus, immunity, man 4310.

Metamitron,
biodegradation, Arthrobacter 8428.

Metamorphosis,
settling behavior, substrate specificity, interspecific relationships, bacteria, Janua brasiliensis 2499.

Metaseiulus occidentalis,
predators, microorganisms association 12086.

Metastasis,
man, Fusobacterium necrophorum, septicemia, case reports 7140.

Methane,
conversion methanol, bacteria 11246.
effects on, Methylomonas methanica, cytoplasmic membranes, membrane structure 10953.
gas production, anaerobic bacteria, intestinal microflora, man 12735.
metabolism, dimethyl ether carbon sources effects on, Methylococcus capsulatus growth conditions 5644.
metabolism, methane monooxygenase, methylotrophic bacteria, reviews 3850.
oxidation, Methylomonas methanooxidans, carbon isotopes fractionation, use, ground water, 7428.
oxidation, methylotrophic bacteria, sediments, marine environment 1244.
production, bacteria, physiology synergism 9813.
production, mixed culture, Clostridium pectinofermentans, +Methanosarcina vacuolata 12734.
production, use, cellulose, Acetivibrio cellulyticus± Methanosarcina barkeri± Desulfovibrio 3859.
soil, landfills, methanol oxidation methylotrophic bacteria, indicator species 3696.

Methane mono-oxygenase,
Methylosinus trichosporium, distribution, cytoplasm, cytoplasmic membranes, growth conditions, effects on 2769.
Methylosinus trichosporium, growth, methanol, membranes morphology 2642.

Methane monooxygenase,
methane metabolism, methylotrophic bacteria, reviews 3850.
oxidation, hydrocarbons, Methylobacterium 12590.

Methanobacterium,
association wetwood 6401.
isolation, animal wastes, morphology, nutrient requirements 2573.
methylreductase, chromophores, characterization 7491.

Methanobacterium bryantii,
bacteria, yeasts, ribosomal proteins, antigenic characteristics, taxonomic significance 1481.
characterization, nomenclature 4701.
digestion (anaerobic), nickel, cobalt, molybdenum, effects on 2634.
nickel transport, mechanisms, inhibitors 12345.
protoplasts, formation 9607.
ribosomes protein composition 12554.
superoxide dismutase, isolation, characterization 4036.

Methanobacterium formicicum,
formic acid metabolism kinetics 12437.

Methanobacterium thermoautotrophicum,
coenzyme F_{430}, structure 187.
digestion (anaerobic), nickel, cobalt, molybdenum, effects on 2634.
DNA biosynthesis, reduction, radioactive labelling 6567.
factor F420 biodegradation, association, oxygen 4962.
growth, nickel requirements, coenzyme F_{430} biosynthesis 2663.
hydrogenase, association, nickel, purification 4871.
methanogenesis, films, decomposition, hot springs, temperature 13521.
2-(methylthio)ethanesulfonic acid methylreductase, purification, characterization 8607.
nickel, E.S.R , properties, hydrogenase 9747
protons, gradients, electrochemistry 6489

Methanobacterium thermoautotrophicum, (continued)
  ribosomes protein composition 12554
Methanobacterium thermoautrophicum,
  coenzyme F_{430}, inhibition, levulinic acid 1538
Methanobrevibacter,
  fungi, mixed culture, cellulose fermentation, methanogenesis 8429
Methanobrevibacter arboriphilus,
  ribosomes protein composition 12554
Methanobrevibacter smithii,
  growth, nickel requirements, coenzyme F_{430} biosynthesis 2663
Methanococcus vannielii,
  NADP$^+$ reductase, 8-hydroxy-5-deazaflavin analogs substrate specificity 8574.
  ribosomes protein composition 12554
Methanococcus voltae,
  nutrient requirements, carbon sources, amino acids, metabolism 6537
Methanogenesis,
  bacteria, ecological distribution, oil, ground water 13509.
  cellulose fermentation, mixed culture, Methanosarcina barkeri, Methanobrevibacter, fungi 8429
  lakes sediments, bacteria, factors affecting 13526
  lignin, cellulose, biodegradation, ethanol production, technology, reviews 8409
  Methanobacterium thermoautotrophicum, films, decomposition, hot springs, temperature 13521
  methanogenic bacteria, ecological distribution, anaerobic environments 12176.
  methanogenic bacteria, ground water, oil fields 12140.
  Methanosarcina barkeri, catabolism, trimethylamine, methanol, methylamine 238.
  pathways, methanogenic bacteria 11245
  rumen microorganisms, cellulose biodegradation 12037
  rumen microorganisms, 2,4-bis(trichloromethyl)-benzo[1,3]dioxin-6-carboxylic acid effects on 13362
  salt marshes, USA 1232
  sediments, nitrogen cycle, sulfate reduction, decomposition, factors affecting, freshwater environments, British Isles 2490.
  sediments, nitrogen cycle, sulfate reduction, decomposition, factors affecting, freshwater environments, British Isles 3735.
  soil, sediments 3716
  swamps, peat, USA, Georgia 8178
Methanogenic bacteria,
  antigenic determinants, identification, characterization 6042.
  antigenic relationship, association, taxonomy 5204
  antigenic relationship, rabbits antisera, characterization 6028.
  effects on, cellulose, biodegradation, fungi, rumen microorganisms, sheep 3679.
  ethane, biosynthesis, estuaries, sediments 1576
  films, substrate preferences, effects on growth 5654
  growth, digestion (anaerobic), manure, media (culture) 8419
  growth, nickel requirements, coenzyme F_{430} biosynthesis 2663
  methanogenesis, ecological distribution, anaerobic environments 12176
  methanogenesis, ground water, oil fields 12140
  methanogenesis pathways 11245.
  methanogenesis, swamps, peat, USA, Georgia 8178
  methanogenic bacteria 4760.
Methanol,
  biodegradation, association, growth, bacteria 7867
  biosynthesis, bacteria 1575
  biosynthesis, Pseudomonas putida, soil isolates, 3,4,5-trimethexycinnamic acid derivatives, degradation, reaction mechanisms 1408.
  carbon, distribution, association, oxidative metabolism, Pseudomonas 9636.
  carbon sources, Pseudomonas, media (culture) 12
  catabolism, methanogenesis, Methanosarcina barkeri 238.
  effects on, Bacillus subtilis, mutants, fatty acid composition, phospholipid composition, sporulation 1574
  metabolism, carbon sources, nitrogen sources, enzymes, Blastobacter viscosus 12463
  metabolism, media (culture) nutrient requirements, Eubacterium limosum 115.
  methane conversion, bacteria 11246
  Methylosinus trichosporium, methane mono-oxygenase, growth, membranes morphology 2642
  oxidation, methylotrophic bacteria, indicator species, methane, soil, landfills 3696
  oxidation, pathway, Methylophilus methanolovorus, enzymes 11217.
Methanol extraction,
  Killed, BCG, inhibition, spermatogenesis, testis, rabbits, dogs, rats 3595.
Methanol utilization,
  Pseudomonas, strains, isolation, classification 1289
Methanosarcina,
  digestion (anaerobic), nickel, cobalt, molybdenum, effects on 2634.
  resistant mutant, media (isolation), use, 2-bromoethanesulfonate 9504
Methanosarcina barkeri,
  Acetivibrio cellulyticus, ± Desulfovibrio, production, methane, carbon dioxide, use, cellulose 3859
  ferredoxin, purification, characterization, E.S.R., Mossbauer spectroscopy 11107
  fungi, mixed culture, cellulose fermentation, methanogenesis 8429.
  growth, nickel requirements, coenzyme F_{430} biosynthesis 2663.
  methanogenesis, catabolism, trimethylamine, methanol, methylamine 238.
  mixotrophy, media comparisons, metabolism 6543.
Methanosarcina vacuolata,
  +Clostridium pectinofermentans, mixed culture, methane production 12734.
Methanospirillum hungatei,
  formic acid metabolism kinetics 12437.
  membrane potential, pH intracellular levels 12288.
  ribosomes protein composition 12554.
Methanospirillum thermoautotrophicum,
  membrane potential, pH intracellular levels 12288
Methanothermaceae fam.nov,
  characterization 12266
Methanotrophic bacteria,
  mixed culture, species composition, control, immune serum 10.
Methanugenic bacteria,
  ribosomes protein composition 12554.
Methenamine,
  treatment, bacteria urinary tract infection, man 11821.
  treatment, urinary tract infection, man 11797.
Methenamine hippurate,
  treatment, Escherichia coli, urinary tract infection, females, man 875.
Methicillin,
  antibiotic resistance, effects on, penicillin-binding protein, Staphylococcus aureus 1461.
  antibiotic resistance, pyelonephritis, treatment, rats, Staphylococcus aureus 7046
  antibiotic resistance, Staphylococcus aureus, association, peptidoglycans biosynthesis 5917
  antibiotic resistance, Staphylococcus aureus, bacteremia, man, case surveys 3472.
  antibiotic resistance, Staphylococcus aureus, bacteriuria, man 845.
  antibiotic resistance, Staphylococcus aureus, burn patients 8793.
  antibiotic resistance Staphylococcus aureus clinical isolates, characterization 3059.
  antibiotic resistance, Staphylococcus aureus, detection, MS-2 system 4198.
  antibiotic resistance, Staphylococcus aureus, infection isolates, man, Greece 1749
  antibiotic resistance, Staphylococcus aureus, mastitis isolates, cattle 5106.
  antibiotic resistance, staphylococcus aureus, MS-2 system, antibiotic sensitivity testing, characterization 8794.
  antibiotic resistance, Staphylococcus aureus, nosocomial infection, case reports, man 12009
  antibiotic resistance, Staphylococcus aureus, transformation, relationship, transduction 1755.
  antibiotic tolerance, Staphylococcus aureus, methodology 8267.
  clinical trials, treatment, osteomyelitis, staphylococcus aureus, children 9309.
  concentration, growth stage, Staphylococcus aureus, bactericidal activity 331.
  effects on, Staphylococcus aureus, phospholipids, fatty acid composition 8382.
  +gentamicin, antibiotic resistance, Staphylococcus aureus, nosocomial infection, disease control, infants, man 10620.
  gentamicin, Staphylococcus aureus, antibiotic resistance, antibacterial activity, minocycline± rifampicin 1733.
  prophylaxis, infection, association, cerebrospinal fluid shunts, children 9315.
  resistance, staphylococcus, infection, man, hospitals, epidemiology 8055.
  +rifamycin, antibacterial activity, Staphylococcus 3034.
  sensitivity, Staphylococcus aureus, cloxacillin disc-diffusion test 12937.
  Staphylococcus aureus, antibiotic resistance 11441.
  Staphylococcus aureus, resistance, infection, man, epidemiology 8808.
  treatment, nephritis, Staphylococcus, hypersensitivity, man, case reports 3382.
Methionine,
  activity, serine effects on, Escherichia coli mutants 10022.
  analogs, ethionine, macromolecules biosynthesis, bacteria, reviews 9687.
  biosynthesis, Enterobacter aerogenes, precursors, 5-methylthioribose 11121.
  Escherichia coli, metabolism, peptides, nutrient availability, effects on 2726.
  Escherichia coli, metabolism, peptides, nutrient availability, effects on 2727.
  Salmonella typhimurium, transport, methionine sulfoxide, glutamine, relationship 2610.
Methionine adenosyltransferase,
  activity, association, Bacillus subtilis sporulation 12338.
Methionine sulfoxide,
  Salmonella typhimurium, transport, methionine, glutamine, relationship 2610.
Methionine synthase,
  Protaminobacter ruber 150.
Methionyl-tRNA synthetase,
  binding tRNA fMet, Escherichia coli 5716.
  interaction tRNA fMet, Escherichia coli 4813.
  recognition tRNA fMet, role anticodon loop, Escherichia coli 5722.
  tRNA binding sites, inactivation, Escherichia coli 1454.
Methodology,
  acidophilic bacteria enumeration, milk, media (culture) 3773.
  Aeromonas identification 2195.
  affinity chromatography, purification, Neisseria gonorrhoeae, pili, membranes vesicles, Neisseria gonorrhoeae 12227.
  agitation, media (culture), Pasteurella multocida 10866.
  Agrobacterium tumefaciens, T1 plasmid, transposons, deletion, recombination, cloning 2914.
  amikacin antibiotic sensitivity testing, disc-diffusion test 310.
  amino acid sequence determination, cytochrome c550, Paracoccus denitrificans, cytochrome c, Coryphaena hippurus 2678
  anaerobic bacteria isolation, association, genital tract specimens 10853.
  analysis, isolation plasmids DNA 5032
  Anaplasma marginale purification, association, erythrocytes lysis 8251.
  antibacterial agents antibiotic sensitivity testing 305.
  antibiotic resistance, Staphylococcus aureus 404.
  antibiotic sensitivity testing 5100.
  antibiotic sensitivity testing 7761.
  antibiotic sensitivity testing, bacteria 303.
  antibiotic sensitivity testing, bacteria, respiratory tract infection 11376.
  antibiotic sensitivity testing, computer applications, bacteria 8755.
  antibiotic sensitivity testing, drug sensitivity testing, chemotherapy 11378.
  antibiotic sensitivity testing, gram-negative bacilli, enteric bacteria 1700.
  antibiotic sensitivity testing, gram-negative bacilli 6780.
  antibiotic sensitivity testing, Pseudomonas, Enterobacteriaceae, Staphylococcus aureus, mezlocillin, carbenicillin 391.
  antibiotic tolerance, methicillin, Staphylococcus aureus 8267.
  antibody-coated bacteria, detection, urine 8902
  antigenic characteristics, serotyping, bacteria 9553.
  assays, chemotaxis, Escherichia coli, chemotactic factors, repellents 10942.
  assays, DNA, gram-negative bacteria, gram-positive bacteria, plasmids 8740.
  assays solutes uptake, tetraphenylphosphonium, vesicles, Escherichia coli 7410.
  Bacillus, media (enrichment), media (isolation) 7362.
  Bacillus stearothermophilus, proteinase, isolation, purification 11165.
  bacteremia, diagnosis, nephelometry, subculture, man 10487
  bacteria, enumeration, water 1273.
  bacteria identification, clinical microbiology, veterinary medicine 4688.
  bacteria, mutants, enzymes, colonial characteristics, autoradiography 1284.
  bactericidal activity, clinical microbiology 12938.
  Bacteroides penicillinase detection 4880.
  bagasse hydrolysis, cellulase, Trichoderma reesei 7463.
  bioassays, mycotoxins, effects on, Photobacterium phosphoreum, bioluminescence 12476.
  biosynthesis, conversion, daunorubicin, doxorubicin, antitumor agents, Streptomyces peucetius 6683.
  blood culture, diagnosis, septicemia, bacteria 7371.
  Campylobacter fetus subsp.jejuni isolation, CampyPak II 2505.
  Campylobacter fetus subsp.jejuni, isolation, mutton 5553.
  cell culture, Agrobacterium, parabiosis, Calystegia 4671.
  chemotaxis detection, bacteria 9588

Methodology, (continued)
Chlamydia trachomatis isolation, use, cell lines, McCoy cells 1252.
chlortetracycline detection, antibiotic prophylaxis, Aves, psittacosis 7806.
clinical microbiology, bacteria, identification, diagnosis, man, books 12192.
clinical microbiology, bacteria, specimens, handling, processing 10859.
Clostridium bifermentans, anaerobic plate method, assays, chloramphenicol, clindamycin, metronidazole 2955.
Clostridium perfringens identification 2547.
Clostridium sporogenes, spore outgrowth, monitoring, equipment 2501.
coal sulfur removal, Thiobacillus ferrooxidans 9649.
colicin typing, Shigella sonnei, geographical distribution, frequency 9571.
computer applications, coliforms identification 9554.
computer applications, coliforms identification 9561.
computer applications, gram-negative bacilli, fermentation, identification 9555.
conductance, bacteria, growth, trimethylamine oxide reduction, assays 9526.
continuous culture, liquids levels analyzers 5551.
Corynebacterium equi identification 12255.
coupling factor B immunoassays, Escherichia coli, Paracoccus denitrificans, chloroplasts, heart cattle 4250.
Crassostrea gigas depuration, coliforms 7294.
culture, antibiotics screening 7745.
culture, bacteria, endometrium, horses 1272.
cytotoxicity testing, enterotoxins 7875.
deep sea, bacteria, samplers 1237.
dental pulp, anaerobic microorganisms, sampling, methodology 1265.
detection, β-lactam antibiotics hydrolysis, penicillinase, use, Escherichia coli 2788.
detection, antibiotic resistance, chloramphenicol, screening, Haemophilus influenzae 394.
detection, antibiotics biosynthesis, Streptomyces cell walls, antibacterial activity 9980
detection, assays, Staphylococcus thermonuclease, cheese 1505.
detection, bacteriuria, bioluminescence, man 13201.
detection cDNA genes 8665.
detection, Enterobacteriaceae contamination, breweries 1300.
detection, isolation, Erysipelothrix rhusiopathiae, animal isolates, pigs 4706.
detection, Mycoplasma pulmonis infection, rats 3158.
detection, nitrate reduction, bacteria 4697.
detection, penicillinase, bacteria, iodometry 4864.
detection, penicillinase biosynthesis, bacteria 1515.
detection, pigments biosynthesis, Staphylococcus 4793.
detection, protection antigens, identification, Erysipelothrix rhusiopathiae 11562
detection, Pseudomonas syringae blister spot, Malus pumila 13432.
detection, Streptococcus group B, man isolates 1256.
detection, Vibrio cholerae strains, lysogeny, phage κ 8455.
diagnosis, bacteria urinary tract infection, man, reviews 11816.
diagnosis, carriers, contagious equine metritis, bacteria, horses 7242.
diagnosis, endometritis, man 9160.
diagnosis, etiology, food-borne diseases, outbreaks, bacteria, food poisoning, man 11932.
diagnosis, nosocomial infection, Pseudomonas cepacia, man 13296.
diffusion tests, antibiotic sensitivity testing, drug sensitivity testing 11389.
dilution tests, agar dilution test, antibiotic sensitivity testing, drug sensitivity testing 11390.
disease control, tuberculosis, hypersensitivity (delayed), hospitals 9227.
DNA cloning 4143.
DNA mutagenesis, tetracycline antibiotic resistance genes, plasmid pKB280 5025.
drug sensitivity testing, clinical isolates, Enterobacteriaceae, Pseudomonas, Staphylococcus 4202
drug sensitivity testing, gram-positive bacteria, gram-negative bacteria, comparison 8850.
ecosystem analysis, microorganisms 2532.
electromagnetic radiation+bacteria culture, models 8260.
electron microscopy, bacteria, nucleoids 12221.
Enterobacteriaceae identification, Enteric-Tek 2538.
Enterobacteriaceae identification, Microbact test 2546.
enumeration, bifidobacterium 3771.
enumeration, feces coliforms, food 7370.
enumeration, identification, eye microflora, man 4676.
enumeration, media (culture), Rhizobium 12210.
epidemiology, nosocomial infection, bacteria, biotyping, serotyping 9577.
Escherichia coli assays, frozen food isolates 1277.
Escherichia coli detection, diarrhea, juveniles, cattle 3162.
Escherichia coli, identification, pathogenicity 4691
Escherichia coli, plasmids transformation, cold shock 12831
Escherichia coli ribosomal proteins complex, rRNA 2697.
Escherichia coli, thermal injury, recovery, media (enrichment) 4665.
experimental infection, Escherichia coli, pyelonephritis, animal models, man 10488
fermentation, Neisseria gonorrhoeae identification tests comparison, Phadebact test 7387.
fluorescent antibody test, detection, Salmonella, culture 1263.
Gardnerella vaginalis isolation, fatty acid composition, gas chromatography 9507.
gastroenteritis, diagnosis 6203.
gel filtration, lipase, Pseudomonas fluorescens, Serratia marcescens 8591.
gene amplification, cloning genes, Escherichia coli 4969.
genetic engineering, use plasmids DNA, Rhizobium meliloti 6770.
germfree, mice, rats, guinea-pigs 10727
Gram stain 3790
Gram stain, counter immunoelectrophoresis, etiology, otitis media, Streptococcus pneumoniae, Haemophilus influenzae, man 775.
Gram stain, marine microorganisms 12245.
guaB gene, fusion, lacZ gene, Escherichia coli 4963.
Haemophilus influenzae, differential diagnosis, Haemophilus parainfluenzae, identification, media (culture) 12242
Haemophilus vaginalis identification 2542.
identification, Aeromonas, plesiomonas, clinical aspects 10910.
identification Ames test Salmonella typhimurium strains 1328.
identification, antibiotic sensitivity testing, bacteria, disease control, man 11944
identification, association, antibiotic sensitivity testing, anaerobic bacteria 9557.
identification, bacteria, microorganisms, reviews 2562
identification, bacteria, pathogens, saprophytes, plants 10891
identification, bacteria, veterinary medicine 10878

Methodology, (continued)
identification, Bacteroides fragilis, bile resistance 12238.
identification, coagulase positive Staphylococcus intermedius, Staphylococcus hyicus subsp.hyicus, domestic animals isolates 2569.
identification, gram-negative bacteria, animal isolates 9562.
identification, Mycobacterium 12236.
identification, Neisseria gonorrhoeae, clinical isolates, immunofluorescence, comparison, agglutination 8913.
identification, oral cavity isolates, Bacteroids, Capnocytophaga, Treponema, API ZYM test 2543.
identification, sulfur bacteria, oxidation, hydrogen sulfide 12270.
identification, Vibrio, evaluation 8302.
immunity, Clostridium tetani, tetanus, man 4287.
immunization, BCG vaccines, children 9060.
immunoelectron microscopy, labelling, Actinomyces viscosus, characterization 11532.
indirect hemagglutination, Yersinia enterocolitica agglutinins 7918.
inoculation, Erwinia tracheiphila, Cucumis melo, seedlings, wilt, disease resistance 13444.
inoculation, nodulation, Glycine max, field trials 10779.
inoculum, Leguminosae, polyacrylamide, Rhizobium japonicum 10786.
irrigation, effects on dental plaque, man 10299.
Isocult culture test, detection, Streptococcus group A, throat, man 3760.
isolation, characterization, anaerobic bacteria 10855.
isolation, characterization, phosphoenolpyruvate-sugar phosphotransferase proteins, Salmonella typhimurium 1491.
isolation, Chlamydia trachomatis, infection, McCoy cells, radiation 9501.
isolation, Clostridium difficile, feces, man 2517.
isolation, glucose isomerase, mycelia, Streptomyces albogriseolus 12620.
isolation, gram-negative bacteria, fatty acid composition, sediments 12712.
isolation, identification, clinical microbiology, books 13534.
isolation, identification, microscopy, Mycobacterium 10883.
isolation, identification, Pseudomonas, clinical aspects 10882.
isolation, malolactic bacteria, wine 1253.
isolation, Mycoplasma gallisepticum membranes 8371.
isolation, Pseudomonas tolaasi, Pseudomonas fluorescens, peat 8253.
isolation, purification, Streptococcus group A enterotoxins 5149.
isolation, Streptomyces ambofaciens, circular DNA 7501.
isolation, Yersinia enterocolitica, media (enrichment) 7355.
isolation, Yersinia enterocolitica, milk, media (enrichment) 8252.
Klebsiella aerogenes, nitrate reductase, orientation, membranes 2586.
Lactobacillus enumeration, saliva, man 4675.
Legionella, media (culture) 3765.
Legionella pneumophila localization, FTC-tagged antibody 7905.
Limulus lysate test, mechanisms 10069.
liquid culture, Aeromonas hydrophila, asociation transformation 8257.
liquid culture, Mycobacterium lepraemurium, growth, association, aspartic acid 12206.
mastitis pathogens identification 7363.
measurement, membrane potential, photosynthesis, respiration, Rhodopseudomonas capsulata 2685.
media (culture), brain heart infusion, growth conditions, Neisseria gonorrhoeae 12205
media (culture), enumeration, coliforms, food 1280.
media (culture), Myxobacterales, spores, morphology 12222.
media (isolation), asporogenous, gram-positive bacteria 7360.
media (isolation), Congo red, Azospirillum 12204.
media (selective), biotyping, Agrobacterium radiobacter subsp.tumefaciens 6482.
media (selective), Pseudomonas syringae pv.syringae, Pseudomonas syringae pv.papulans, infection, Malus pumila, detection 9508.
media (selective), streptococcus group B 12202.
methylotrophic bacteria enumeration 12211.
microorganisms, motility velocity, enumeration 9521.
mutants, bacteria mutants, macrolide antibiotics biosynthesis 5042.
Mycoplasma salivarium inactivation, role cell culture filtrates 10862.
Neisseria, Branhamella, clinical aspects, diagnosis, identification 10905.
nitrogen fixation, radioactive labelling, Phaseolus vulgaris, Trifolium arvense, Trifolium badium 7332.
oligodeoxyribonucleotides synthesis, Escherichia coli DNA polymerase I 8513.
oral microflora, Streptococcus differentiation, biochemical characteristics 41.
phage typing, Mycobacterium avium, Mycobacterium intracellulare, Mycobacterium scrofulaceum 3807.
photography films, use, gelatin tests, Voges-Proskauer test, bacteria 10871.
plasmids DNA purification, bacteria 7687.
plasmids isolation, association, restriction endonuclease mapping 8736.
preparation, composition, media (culture), bacteria 10863.
preparation, Streptomyces rimosus, protoplasts, growth conditions 12224.
processing, chickens carcasses, relationship, food contamination, Salmonella 10654.
Pseudomonas, plasmids, isolation 2928.
Pseudomonas tomato detection, soil, plants 1143.
purification, fungi culture collections, contamination, bacteria 4678.
purification, recA gene protein, Escherichia coli 7378.
purification, ribulosebisphosphate carboxylase, Chromatium vinosum 1498.
purification, toxins, Pseudomonas phaseolicola 3118.
purification, Treponema flagella, characterization 4681.
purification, 3-hydroxybutyrate dehydrogenase, malate dehydrogenase, Rhodopseudomonas sphaeroides 9754.
quantitation, bacteria infection, association, Septicemia, man 13347.
radioactive labelling, Escherichia coli, Staphylococcus aureus, association, charcoal adsorption 8280.
radiometry, bacteriostasis parameters, antibiotics, bacteria 7377.
Raman spectroscopy, Rhodopseudomonas sphaeroides, photosynthesis, carotenoids 12487.
reagents, staining, tests, clinical microbiology 10873
restriction endonuclease mapping, DNA genomes damage 7496.
Rhizobium nodulation screening, Cajanus cajan 7334.
RNA biosynthesis, measurements, growth, bacteria, algae, evaluation, aquatic environments 2657
RNA isolation, Bacillus brevis, Bacillus subtilis, Escherichia coli 1458.
Salmonella, isolation, casein 4661.
sampling, urethra microflora, man 6935.
screening, bacteriuria, man 9525.
screening, deoxyribonuclease inhibitors, Micromonospora 7594.
sepsis detection, neonates, man 10613.
serological tests, syphilis, Treponema pallidum 11862.

Methodology, (continued)
  serotyping, agglutination, Streptococcus mutans, strains 12237
  serotyping, Campylobacter jejuni infection, man, epidemiology 7912
  serotyping, identification, Streptococcus, Aerococcus, clinical aspects 10907
  serotyping, Streptococcus 12241
  serotyping, Streptococcus group A, throat isolates, Phadebact test 2541
  specimens collection, diagnosis, clinical microbiology, man 13253
  spin-labelling lac-repressor, Escherichia coli 4816
  staining, detection, Escherichia coli, food 4
  staining, detection, Mycobacterium, viability 12223
  staining, inclusions, Chlamydia psittaci, Chlamydia trachomatis 7375
  statistical analysis, antibacterial activity, antileprotic agents, Mycobacterium leprae, reviews 8849
  statistical analysis, toxic shock syndrome epidemiology, man, USA 10121
  Streptococcus group D identification, SeroSTAT 2540
  Streptococcus pneumoniae isolation, association, antibiotics, respiratory tract secretions, man 10860
  surveillance, detection, prophylaxis, nosocomial infection, man 10525
  surveillance, disease control, nosocomial infection 10530
  toxicity testing, bacteria, agar plate counts 5959
  Treponema antigens, purification 7904
  Treponema pallidum culture, characterization, reviews 7366
  triacylglycerol lipase, purification, chromatography, Staphylococcus aureus 4057
  typing, Shigella sonnei, clinical isolates 2561
  vaccines, Neisseria meningitidis antigens, vaccination, man, epidemiology 10252
  Vibrio cholerae enterotoxins detection, lymphocyte transformation 10063
  water disinfection, hydrogen peroxide, +ascorbic acid, +copper(II), bacteria 12157
  Yersinia enterocolitium isolation, comparison, media (enrichment), media (selective), association pigs tonsil 8264
  Zymomonas mobilis strains detection 4660
Methotrexate,
  binding, tetrahydrofolate dehydrogenase, Escherichia coli 1555
Methoxatin,
  association alcohol dehydrogenase, mechanisms, bacteria 7559
7α-Methoxy-7β-vinylenethioacetamido cephalosporins,
  synthesis, structure-activity relationships, antibacterial activity, gram-negative bacteria 9953
4-Methoxybenzoate monooxygenase (O-demethylating),
  E.S.R , Pseudomonas putida 3953
Methoxychlor,
  bacteria, biodegradation, mechanisms, aerobic conditions, anaerobic conditions 8402
2-Methoxyethanol,
  effects on, incidence, Pseudomonas, aircraft fuels 134
Methoxylated aromatic acids,
  metabolism, bacteria 119
Methyl bromide,
  disinfection, Bacillus larvae, Ascophaera apis, apiculture 11450
Methyl cellosolve,
  effects on endotoxins sensitization, mice 5166
Methyl 2-methoxyphosphyinylacetic acid,
  competition inhibition 3-hydroxybutyrate dehydrogenase, Pseudomonas lemoignei 6657
α-Methyl-γ-butyrolactone,
  antitumor agents, antibacterial activity 437
Methyl-accepting chemotaxis protein,
  Escherichia coli, membranes, chemotaxis, isolation 3810
5-Methyl-deoxycytidine deaminase,
  phage XP-12, enzymatic synthesis, Xanthomonas oryzae 6726
2-Methyl-1,2-di-3-pyridyl-1-propanone,
  Photobacterium fischeri, effects on luminescence 12493
Methyladenine,
  DNA, Neisseria gonorrhoeae, incidence, association, auxotrophy 5705
Methylamine,
  catabolism, methanogenesis, Methanosarcina barkeri 238
  uptake, Pseudomonas, nitrogen sources 5664
5-Methylaminomethyl-2-thiouracil,
  tRNA anticodon loop residues, role U.V radiation induction guanosine 3'-diphosphate 5'-diphosphate synthesis, Escherichia coli 3915
Methylammonium,
  Azotobacter vinelandii, active transport, kinetics 2613
Methylation,
  calcium ions, role, phototaxis, Halobacterium halobium 10949
  chemotaxis proteins, characterization, cheB gene, cheR gene, Escherichia coli 2860
  DNA, effects on DNA cleavage, restriction endonuclease, Thermus thermophilus 5700
  DNA, Escherichia coli 12512
  DNA, function, Myxococcus xanthus 3889
  DNA, Mycobacterium tuberculosis, Mycobacterium smegmatis 2695
  effects on tRNA structure, Thermus thermophilus 8491
  glucans, structure, Streptococcus mutans, serotypes 11227
  membrane proteins, Halobacterium halobium, chemotaxis, calcium regulation 8370
  proteins, amino acids effects on, chemotaxis, Bacillus subtilis 8385
  role, chemotaxis, phototaxis, Halobacterium halobium 12330
  role, Halobacterium halobium phototaxis 8393.
  role, Oxygen, phosphotransferase substrates, chemotaxis, Escherichia coli, Salmonella typhimurium 5637
  tin, estuarine organisms 9643
Methylcobalamin,
  conversion, Protaminobacter ruber 150
  effects on tRNA methylation, Escherichia coli 12586.
Methylcyclopropane,
  Methylococcus capsulatus, oxidation 109
Methylenomycin A,
  biosynthesis, Streptomyces violaceus-ruber, role, plasmid pSV1 12846.
Methylentetrahydrofolate polyglutamates,
  binding thymidylate synthase fluorodeoxyuridylate complex, Lactobacillus casei 4022.
Methylglyoxal,
  drug resistance, Escherichia coli mutants, biosynthesis, release, glutathione 1791.
Methylhydroxypyridine-carboxylate dioxygenase,
  kinetics, mechanisms, Pseudomonas 7566
  mechanisms, Pseudomonas 7564.
Methylisoborneol,
  biosynthesis, actinomycetes, soil microorganisms, soil 1579.
Methylmalonyl-CoA epimerase,
  Propionibacterium shermanii, purification, characterization 2767.
Methylmethanesulfonate,
  induction his gene reversion, Salmonella typhimurium, caffeine effects on 11256
Methylmethanesulphonate,
  effects on, Escherichia coli, mutants, nucleoids, DNA breaks, apurinic sites 1435
α-Methylnaphthalene,
  biodegradation, Flavobacterium, Corynebacterium 9646.
N-Methylnitrone,
  derivatives, synthesis, antibacterial activity, gram-positive bacteria, structure-activity relationships 8839.
β-Methylnorleucine,
  Serratia marcescens, biosynthesis, antibacterial activity 2982.
  Serratia marcescens, biosynthesis, pathway, role, aspartate aminotransferase 3918
Methylobacterium,
  methane monooxygenase, oxidation, hydrocarbons 12590.
Methylobacterium organophilum,
  transposon Tn5, role, antibiotic resistance, streptomycin 8737.
Methylococcus capsulatus,
  growth conditions, dimethyl ether carbon sources, effects on methane metabolism 5644
  mixed culture, methanotrophic bacteria, species composition, control 10.
  oxidation, cyclopropane, methylcyclopropane, arenes 109.
  proteins amino acid composition, growth conditions effects on 12571.
  ribulose-1,5-biphosphate carboxylase, carbon assimilation, characterization 5762.
Methylococcus trichosporium,
  proteins amino acid composition, growth conditions effects on 12571.
Methylocystis parvus,
  mixed culture, methanotrophic bacteria, species composition, control 10.
Methylomonas,
  alcohol dehydrogenase (acceptor), purification, characterization 3950.
  cytochrome c-551, isotypes, purification, characterization 3871.
  proteins amino acid composition, growth conditions effects on 12571
Methylomonas alba,
  mixed culture, methanotrophic bacteria, species composition, control 10.
Methylomonas methanica,
  cytoplasmic membranes, membrane structure, methane, oxygen effects on 10953.
  enzymes, oxidation, ethanol, formaldehyde, distribution 11218.
Methylomonas methanooxidans,
  methane oxidation, carbon isotopes fractionation, use, ground water, chemical analysis 7428.
Methylophilus methanolovorus,
  methanol, oxidation, pathway, enzymes 11217.
Methylophilus methylotrophus,
  carbon metabolism 12453.
  electron transport, mechanisms, role cytochromes, potassium cyanide inhibition 7480
  α1-interferon genes, synthesis, gene expression 11265.
  proteins, occupational exposure hypersensitivity, man 13035.
Methylosinus sporium,
  mixed culture, methanotrophic bacteria, species composition, control 10.
Methylosinus trichosporium,
  methane mono-oxygenase, distribution, cytoplasm, cytoplasmic membranes, growth conditions, effects on 2769
  methane mono-oxygenase, growth, methanol, membranes morphology 2642.
  mixed culture, methanotrophic bacteria, species composition, control 10.
Methylosinus trichsporium,
  spores, development, electron microscopy 5605.
Methylotrophic bacteria,
  drinking water isolation, biochemical characteristics, morphology 10999.
  enumeration, drinking water 12168.
  enumeration methodology 12211
  3-hexulosephosphate synthase, reaction mechanisms 203.
  3-hexulosephosphate synthetase, kinetics 2759.
  identification, immunofluorescence, taxonomy 12271
  methane metabolism, methane monooxygenase, reviews 3850
  methane oxidation, sediments, marine environment 1244.
  methanol oxidation, indicator species, methane, soil, landfills 3696.
  proteins amino acid composition, growth conditions effects on 12571
  proteins, electrophoresis, phylogeny 12263.
  Pseudomonas, factors affecting protons translocation 3883.
  reviews 5657
3-Methylpentane-1,3,5-triol,
  Gluconobacter, oxidation, stereospecificity 6536.
Methylprednisolone,
  treatment, Escherichia coli endotoxins induction, lung, injuries, sheep 1837.
Methylprednisolone+gentamicin,
  treatment, Escherichia coli, endotoxin shock, baboons 8894
Methylreductase,
  chromophores, characterization, Methanobacterium 7491.
2-(Methylthio)ethanesulfonic acid methylreductase,
  Methanobacterium thermoautotrophicum, purification, characterization 8607
Methylthiolation,
  tRNA, role gene regulation, Escherichia coli 5713.
5-Methylthioribose,
  precursors, Enterobacter aerogenes, methionine biosynthesis 11121.
4-Methylumbelliferone,
  role, fluorescence tests, Mycobacterium, enzymes activity 8272.
Methyluracil,
  treatment, syphilis, animal models 7085
Metronidazole,
  antibacterial activity, anaerobic bacteria 10036.
  antibacterial activity, anaerobic bacteria, infection, man 9217.
  antibacterial activity, anaerobic bacteria, microaerophilic bacteria, nimidazole, comparison 10040.
  antibacterial activity, Bacteroides fragilis 8826.
  antibacterial activity, Bacteroides fragilis 10034.
  antibacterial activity, Bacteroides fragilis, clinical isolates 11457.
  +antibiotics, antibiotic synergism, antibacterial activity, Bacteroides 9927
  assays, Clostridium bifermentans, anaerobic plate method, methodology 2955.
  +cefazolin, comparison, cefazolin, colon surgery, complications, antibiotic prophylaxis, man 10498.

Metronidazole, (continued)
+cephalothin, prophylaxis, postoperative infection, association, surgery, colon, rectum, man 3488.
+cephazdin, prophylaxis, bacteria, postoperative infection, man 2287.
clinical isolates, Bacteroides fragilis, antibiotic sensitivity testing 11386.
clinical trials, appendectomy, wound infection, man 13340.
drug resistance, Gardnerella vaginalis 8858.
effects on, Bacteroides fragilis, Haemophilus vaginalis, morphology 9609.
effects on fecal microflora, man 672.
effects on, intestinal microflora, man 675.
effects on intestinal microflora, mice 5450.
effects on periodontitis, animal models 6159.
+fosfomycin, prophylaxis, postoperative infection, association, surgery, colon, rectum, man 3488.
gas gangrene, Clostridium perfringens, prophylaxis, treatment, association, amputation, man 10576.
metabolites, antibacterial activity, anaerobic bacteria, clinical isolates 10033.
+mezlocillin, antibacterial activity, aerobic conditions, Klebsiella pneumoniae, Pseudomonas aeruginosa, Streptococcus faecalis, Proteus 8780.
prophylaxis, appendectomy, association, postoperative infection, clinical trials, man 6291
prophylaxis, postoperative infection, anaerobic bacteria, appendectomy, man 10377
prophylaxis, postoperative infection, appendectomy, man 5365.
prophylaxis, postoperative infection, appendicitis, man 10383.
prophylaxis, postoperative infection, colon+rectum surgery, man 5406.
prophylaxis, postoperative infection, gynecology surgery, man 11804.
prophylaxis, postoperative infection, hysterectomy, man 5374.
serum levels, relationship, incidence, Bacteroides, fecal microflora, Crohn's disease, man 834.
treatment, abdomen infection, anaerobic bacteria, man 11866.
treatment, anaerobic bacteria infection, man 11936
treatment, antibiotics association pseudomembranous colitis, man, case reports 2032
treatment, Chlamydia trachomatis prostatitis, case reports, man 13191.
treatment, colitis, Clostridium difficile, man, case reports 7011.
treatment, Crohn's disease, effects on intestinal microflora, man 671
treatment, Crohn's disease, man, fecal microflora, effects on 674.
treatment, genital tract infection, bacteria, females, man 2093.
treatment, mastitis, puerperium, man 7117
treatment, postoperative infection, obstetrics surgery, man 10449.
treatment, vaginitis, anaerobic bacteria, clinical aspects, man 11802.
Mexico,
coastal waters, seasonal variations, Vibrio parahaemolyticus, Bolation, identification 12175.
Halobacterium halobium, protein biosynthesis, growth, temperature effects, salinity tolerance 2655.
halophilic bacteria isolation, morphology, cell shape 12327.
salt marshes, Chromatium, association algal mats, vertical distribution 8231
sheep, abortion, association, Campylobacter fetus subsp.intestinalis infection 10664
travel, Panama man, incidence, traveller's diarrhea, Campylobacter fetus 3371.
Mezlocillin+metronidazole,
antibacterial activity, aerobic conditions, Klebsiella pneumoniae, Pseudomonas aeruginosa, Streptococcus faecalis, Proteus 8780.
Mezlocillin,
antibacterial activity 12893
antibacterial activity, antibiotic synergism, reviews 12896.
antibacterial activity, Escherichia coli, Streptococcus faecalis 12903.
antibacterial activity, gram-negative bacilli clinical isolates 12894.
antibacterial activity, Pseudomonas aeruginosa 6797.
antibacterial activity, Pseudomonas aeruginosa 11396.
antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 12905.
antibacterial activity, Pseudomonas aeruginosa, antibiotic synergism aminoglycoside antibiotics 9968.
antibacterial activity, treatment, clinical trials, man, conferences 13541.
antibiotic sensitivity testing, disc-diffusion test, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 6791.
antibiotic sensitivity testing, gram-positive bacteria, Haemophilus influenzae, in vitro 9924.
antibiotic sensitivity testing, Pseudomonas, Enterobacteriaceae, Staphylococcus aureus, methodology 391.
bactericidal activity, bacteriostasis, Listeria monocytogenes 12895.
+cefsulodin, antibacterial activity, Pseudomonas aeruginosa, Serratia marcescens, in vitro 359
disc-diffusion test, quality control 6807.
+gentamicin, treatment, Escherichia coli, Pseudomonas aeruginosa, infection, man 5377.
infection, penicillins treatment, man 11940
+oxacillin treatment, nosocomial infection, surgery, bacteria, man 12016.
penicillinase biodegradation 12867.
treatment, bacteria, bilary tract infection, man 4505.
treatment, bacteria infection, man, comparison, carbenicillin 10595.
treatment, biliary tract infection, bacteria, man 3511.
treatment, experimental infection, gram-negative bacteria, gram-positive bacteria, mice 13261.
treatment, gram-negative bacteria, septicemia, respiratory tract infection, man 13130
treatment, infection, clinical trials, man 13263
Micavibrio admirandus gen.nov. sp.nov.,
characterization 10903
Michelis-Menten parameters,
analysis, Escherichia coli, adherence, cells, monolayers, gastrointestinal tract, man 1336.
Miconazole,
antibacterial activity, Staphylococcus aureus 10032
+gentamicin+betamethasone, treatment, bacteria, fungi, skin infection, man 5271.
Micro-ID test,
bacteria, identification, temperature effects 1306.
Enterobacteriaceae, identification 4693
Enterobacteriaceae, identification 12254.
Enterobacteriaceae, urine, identification, Autobac test, drug resistance 1307
Microaerophilic bacteria,
antibacterial activity, niridazole, comparison, metronidazole 10040
endocarditis, diagnosis, clinical aspects, case reports, man 9251.
Microbacterium,
comparison, Agromyces, Arthrobacter, Curtobacterium, Brevibacterium, Corynebacterium, nucleic acids hybridization 12523.
heat resistance, milk sterilization 9656.
media (isolation) 10854.
media (isolation), methodology 7360.
Microbacterium ammoniaphilum,
arginine biosynthesis, arginine resistant mutant bacteria 4833.
glutamate, biosynthesis, N.M.R., characterization 5735.
Microbial metalloproteinase,
Serratia marcescens, inactivation man plasma α1-proteinase inhibitor 7543.
Microbial metalloproteinases,
hydrolysis L-leucine methyl ester, L-phenylalanine methyl ester, L-tryptophan methyl ester, kinetics 4895.
Microbial pollution,
aquaculture effluents, coliforms, indicator species 12186.
association water purification, swimming pools, surveys 6436.
drinking water, pollution monitoring, physicochemical properties, coliforms 6442.
Escherichia coli, indicator species, survival, sediments 12170.
indicator species, bacteria, surface water, lakes 12178.
recreation sites, relationship gastroenteritis, man 11761.
water pollution, pollution effects, water quality, bacteria, population dynamics, rivers 7337.
Microbial serine proteinases,
Streptomyces subtilisin inhibitors, complex, denaturation, comparison 2734.
Microbicidal activity,
hypochlorous acid, phagocytosis leukocytes, Escherichia coli, myeloperoxidase activity 6926.
leukocytes (neutrophilic), cotrimoxazole man, Staphylococcus aureus, man, chronic granulomatous disease 6840.
Microbiocidal activity,
assays, disinfectants aerosols, bacteria adherence webs 11449.
formaldehyde, aerosols, Pseudomonas aeruginosa, Klebsiella pneumoniae 11451.
formaldehyde, Pseudomonas aeruginosa, Staphylococcus faecalis, Bacillus subtilis, Bacillus stearothermophilus 10024.
Microbiological analysis,
Bacillus subtilis, algae extracts 4216.
Microbiology,
conferences 3747.
medicine, conferences 3749.
sputum evaluation, role, infection detection, man 3271.
studies, use, Beneckea natriegens 1271.
Microbodies,
Bacteroides fragilis, characterization 2595.
isolation, characterization, Bacteroides fragilis 60.
Treponema macrodentium, scanning electron microscopy, characterization 5626.
Microcin,
biosynthesis, purification, characterization, Escherichia coli 5933.
Microcin 15 m,
activity, serine effects on, Escherichia coli mutants 10022.
Micrococcaceae,
fatty acids biodegradation 226.
identification, micromethods galleries 7386.
Propionibacterium, diphtheroids, antagonism, skin isolates, man 1156.
relationship, odors, axilla, man 3262.
skin isolates, antagonism, man 3681.
Stomatococcus mucilaginosus gen.nov sp.nov, characterization 8346.
Micrococcal endonuclease,
immobilized enzymes, kinetics, Staphylococcus aureus 4894.
Micrococcin,
mechanisms protein biosynthesis inhibition, binding rRNA 23S ribosomal protein L11 complex, Streptomyces azureus 4157.
Micrococcus,
antibacterial activity, detergents 10030.
biosynthesis, pimelic acid, azelaic acid, use, oleic acid 2842.
cattle semen isolates, antibiotic sensitivity testing 5047.
characterization, Mycococcus, Arthrobacter, taxonomy 6480.
disinfectants contamination, drug sensitivity testing 7848.
DNA, quinacrine binding 158.
etiology, acne, man, reviews 4360.
genital tract infection, treatment, cefotaxime, females, man 2099.
glucose oxidation, gluconic acid biosynthesis 5793.
histidine decarboxylase activity, inhibition, histidine analogs 3998.
histidine decarboxylase, N-bromosuccinimide chemical modification tryptophan residues 12631.
incidence, lakes, USSR 12172.
infection, man, eye diseases, antibiotics treatment 10492.
inhibitors, lytic enzymes, characterization 9810.
isolation plasma membranes, outer membranes 6486.
mastitis, incidence, cattle, Brazil 7266.
media (isolation) 10854
media (isolation), methodology 7360.
oil biodegradation, USSR rivers 13516.
penetration, fabrics, surgical clothing 2187.
population dynamics, Avena sativa 1148.
sodium nitrite antibacterial activity 5128.
sodium nitrite+pH inhibition catalase 11135.
Staphylococcus, cultural characteristics, identification 1314.
taxonomy 8330.
trehalose 1486
urinary tract infection, man, treatment, nitrofurantoin, methenamine 11797.
Micrococcus glutamicus,
diaminopimelate decarboxylase, purification, characterization 3982.
excretion, lysine 174.
glutamine synthetase, biosynthesis, activity, nitrogen sources effects on 4056.
glutamine synthetase biosynthesis, activity, nitrogen sources effects on 4056.
glutamine synthetase, biosynthesis, nitrogen sources, effects on 4056.
glutamine synthetase, purification, characterization 3995.
Micrococcus luteus,
adenosinetriphosphatase, chelating agents, metals ions, effects on, role zinc 4060.
adenosinetriphosphatase subunits, antigenicity, immunochemistry 5766.
antibacterial activity, isopenicillin N, penicillin N 11401.
antibacterial activity, penicillins 7788.
antibacterial activity, sugars derivatives, 4-nitrophenylhydrazones, N-4-nitrophenylhydrozones, isonicotinoylhydrazones 8847.

Micrococcus luteus, (continued)
arginine biosynthesis, arginine resistant mutant bacteria 4833
carotenoids deficient mutant, photosensitivity, relationship, menaquinone destruction 1418
carotenoids, stereochemistry 4792
cell walls, teichuronic acids, characterization, use, N M R 1558
1,4-dihydroxy-2-naphthoate:polyprenyltransferase, characterization 2791
dimethylallyltransferase, purification, characterization 3964
DNA, absorption, U.V radiation 155
DNA polymerase I, caffeine inhibition 5753
electron transport chain, cytochrome c oxidase 12484
endodeoxyribonuclease (apurinic or apyrimidinic), role, DNA repair, cyclobutane pyrimidine dimers, models 9730
endonuclease, Escherichia coli dimers sensitivity 4801
growth, lysine excretion, inhibition, threonine, mechanisms 1464
lipids, proteins interaction, reconstitution membranes 5809
membrane proteins lipids interaction, gramicidin S effects on, fluorescence 12302
membranes, lipids, 9-(2-anthryl)-nonanoic acid, incorporation 11240.
outer membranes, antigens, characterization 12999
protoplasts, membranes lysis, polyene antibiotics 10940
recovery, surfaces, antibacterial activity, Thran 7844
recovery, surfaces, antibacterial activity Thran 7845
ribosomal proteins, amino acid sequence, comparison ribosomal protein L12 Escherichia coli, Bacillus subtilis, Halobacterium cutirubrum, Saccharomyces cerevisiae, Artemia salina 2712
RNA polymerase promoters substrate specificity, phage ΦX174 DNA, 11042
RNA polymerase, purification, characterization 4890
sugars osazones, antibacterial activity 10044
teichuronic acids biosynthesis, reviews 4076
vaccination, antibody response, lysozyme antibodies, rabbits 1913
Micrococcus lysodeikticus,
catalase, dissociation sodium dodecyl sulfate 8565
DNA biosynthesis, chlorhexidine effects on 8486
membranes, proteinase, purification, characterization 9752
ribosomal proteins, physicochemical properties, C.D., hydrodynamics 12550
Micrococcus mucilaginosus,
associaton, Stomatococcus mucilaginosus gen nov sp.nov. taxonomic revision, nomenclature, characterization 8346
Peptococcus saccharolyticus, Staphylococcus, rRNA 16S, nucleotide sequence, taxonomic revision 2564
Micrococcus percitreus,
L-amino-acid decarboxylase, purification, characterization 4040
phenylalanine decarboxylase, mechanisms, stereochemistry 3971
Micrococcus radiodurans,
envelopes, proteins, structure, chemical analysis 11108
growth rate, effects on heat resistance 7444
growth rate, effects on heat resistance 7464
isolation radioresistance bacteria, textiles 5978
lysis, lysozyme, radiation effects on 3104
membranes, lipids, γ radiation effects on 8633
radioresistance, beef sterilization 5146
Micrococcus roseus,
Cocos nucifera wilt, experimental infection, disease transmission, epidemiology, Trinidad 8139
contamination man, disinfectants, povidone-iodine comparison Hibistat 5962
Micrococcus varians,
± Aspergillus oryzae, culture, rice, koji 124
glycine effects on enzymes activity 8613
teichoic acids biosynthesis 2821
Microenvironments,
microorganisms, sediments, coal, coke, industrial effluents, effects on 13513
Microflora,
acidosis, diagnosis, treatment, case reports, gastrointestinal tract, man 13070
aerobic bacteria, genital tract, association, estrus cycle, dogs 9327
Antirrhinum, association leaf rust, infection Erwinia herbicola 13426
association, food cold storage, catering 13529
association, gnotobiotics (germfree), comparison, gnotobiotic (specific pathogen free), mice 10725
Aves, Campylobacter fetus subsp.jejuni, Salmonella, incidence 12030
bacteria, Boeckosimus affinis, symbiosis 10734
bacteria, classification, characterization, man 11967
bacteria, dental plaque, man, New Zealand 725.
bacteria, ear canals, diabetes mellitus, man 7961
bacteria, leaves, Pinus nigra, heavy metals air pollution effects on 6410.
bacteria, maxillary sinus, man 673.
bacteria, populations, phylloplane, U.V. radiation sterilization 10875.
bacteria, postoperativeinfection, stomach, gastrointestinal tract surgery, man 668
bacteria, relationship, biocides, swimming pools, Australia 2479
bacteria, vagina, association, menstrual cycle, association, catamenial products use, man 10283
biliary tract, association, antibiotics treatment, surgery, man 12001
Biomphalaria glabrata, characterization 5493
carcinogenesis, colon, man, reviews 13159
cervix, man, association pregnancy 13071.
chernozem, Streptomyces flavus, Stachybotrys parvispora, USSR 13471.
Clostridium perfringens, Mollusca, Crustacea 13363
colon, effects on+intestine epithelium, physiology, man 11659
colonization, β-lactam antibiotics effects on, mouth, colon, throat, man 10282.
conjunctiva, incidence, contact lenses, man 8071.
copra, fungi, bacteria, water content, weather, effects on 2474.
digestive tract, antibacterial activity, Aminoglycoside antibiotics, mice 10640.
digestive tract decontamination, use, antibiotics, association, neutropenia, man 11775.
digestive tract, diarrhea, clinical aspects, case reports, magnesium sulfate treatment, dogs 10643
duodenum, postoperative infection, man, cimetidine, effects on 2037.
effects on urine hydrolysis, man 13073.
enumeration, identification, dental plaque, children 13075
erythrosine, antibacterial activity, cecum, stomach, rats 6322.
Escherichia coli, incidence, vagina, urethra, urinary tract infection, females, man 3380
Euphausia superba, Euphausia crystallorophias 1133.
eye, man, enumeration, identification, methodology 4676.
Microflora, (continued)
Fasciola hepatica, bacteria 13419.
gastrointestinal tract, cimetidine, antacids, effects on, man 6140.
gastrointestinal tract, decontamination, use, antibiotics, association, prophylaxis, infection, monkeys 13361.
gut, aerobes, mutualism, bacteria, Orthoporus ornatus, Comanchelus 10733.
gut, bacteria, Charybdis cruciata, Podophthalmus vigil, Scylla serrata, Portunus pelagicus, Portunus sanguinolentus 6385.
gut, putrescine biosynthesis, hemolymph, Heliothis zea 8127
hand, skin, man, characterization 6141
Hirondella gigas, bacteria, isolation, pressure effects, temperature effects, benthic zone, marine environments 3651
inhibition, Campylobacter fetus subsp.jejuni, infection, chickens 13396.
inhibition, Salmonella, adherence, gastrointestinal tract, chickens, scanning electron microscopy 13358.
intestine, effects on, alkaline phosphatase, proteins, levels, gnotobiotics (germfree), mice 10636.
man, carcinoma treatment, prophylaxis effects on 9067.
man, rifampicin+trimethoprim effects on 3267.
man, rifampicin+trimethoprim effects on 5267.
maxillary sinus, bacteria, monkeys 9330.
Medicago sativa root rot, bacteria, fungi, Fusarium 6394.
mice, aerobic bacteria, distribution 9317
Mysis stenolepsis, antibiotics effects on, association, cellulose digestion 12036.
nose, incidence, Mycoplasma, Chlamydia, cattle 13365.
nose, incidence Staphylococcus aureus, relationship, yeasts, propionibacterium, diphtheroids, staphylococcus, man 667.
oil, Protozoa, predator-prey interactions, growth curves 2423.
phylloplane, yeasts, bacteria, population dynamics, seasonal variations, Malus pumila 4627.
protection, Salmonella typhimurium, Escherichia coli, infection, chickens 13357.
radiation effects on, Enterobacteriaceae, monkeys 7223.
reproductive organs, bacteria, incidence, cattle 12043.
respiratory tract, isolation, identification, chickens 7225.
respiratory tract, role bronchitis, man, cigarette smoking effects on 6143.
rhizoplane, Rhizobium trifolii, Trifolium, seedlings 3715.
rhizosphere, Gaeumannomyces graminis var.tritici, Tritium aestivum, urea, benomyl, foliar applications effects on 9474.
rhizosphere, rice, isolation Clostridium, Azospirillum, effects on 2431.
rumen, chemical modification feeds, digestibility, domestic animals 9321.
rumen, feeds digestion, reviews 9324.
rumen, role feeds digestion, domestic animals 9319.
rumen, role feeds digestion, domestic animals 9320.
Salmo gairdneri, temperature effects on 12034.
Setonix brachyurus, reproductive status effects on 12032.
skin, arm, man 11653.
skin, man, antiseptics effects on 10027.
skin, psoriasis, treatment, man 13077
Staphylococcus epidermidis, conjunctiva, man, contact lenses, effects on 3265.
throat, Yersinia enterocolitica incidence, serotypes, man, pigs, Canada 4540.
toe, Staphylococcus aureus, association, tinea pedis, man 9074.
traveller's diarrhea, Escherichia coli, treatment, erythromycin, effects on, man 11769.
treatment pools+U.V. radiation, hospitals 13527.
urethra, anaerobic bacteria, association, susceptibility, urinary tract infection, females, man 1920
urethra, sampling methodology, man 6935.
urine, man 13069
vagina, bacteria, association, menstrual cycle, man 10281.
vagina, cervix, anaerobic bacteria, association, menopause, man 3269
vagina, cervix, association, ovulation detection, cattle 10642.
Micromethods,
agglutination, diagnosis, leptospirosis, abortion, cattle 1062.
biochemical characteristics, Streptococcus mutans, serotypes 10872.
dilution tests, inoculation, antimicrobial agents, methodology 11379.
enzyme-linked immunosorbent assay, Chlamydia trachomatis antibodies 508.
galleries, identification, Micrococcaceae, Staphylococcus 7386.
Micromonospora,
deoxyribonuclease inhibitors, screening methodology 7594.
vernamycin, biosynthesis 2967
Micromonospora chalcea,
izumenolide, structure 294
Micromonospora chalcea subsp.izumensis,
izumenolide, isolation, characterization 291
Micromonospora echinospora,
biosynthesis, dotriacolide, inhibition penicillinase 7635.
DNA topoisomerase, inhibitors, isolation 7595
Micromonospora griseorubida sp.nov.,
biosynthesis, mycinamicin, isolation, structure, precursors 4154.
Micromonospora purpurea,
antibiotic resistance, role, ribosomal subunit 30S 10000.
Micromonospora rosaria,
mutants, biosynthesis pathways, rosaramicin derivatives 7731.
Micromonospora sagamiensis,
aminoglycoside antibiotics, structure 7730
antibiotic SU biosynthesis, structure 11373.
antibiotics biosynthesis, antibacterial activity 11354.
2-deoxystreptamine idiotroph, antibiotic SU-2 complex production 7723.
mutants, biosynthesis, gentamicin, sagamicin 7746.
mutants, biosynthesis, 2-hydroxysagamicin, antibacterial activity 7732.
Micronutrients,
release, Spartina alterniflora detritus biodegradation, bacteria, salt marshes 8232.
Microorganisms,
activity, radioprotection effects on, space flight, reviews 5960.
activity, vitamin B_1, abundance, relationship, gastrointestinal tract, sheep 3558.
ansamitocin conversion 9620
antibodies, incidence, Crohn's disease, man 6115.
antimicrobial agents drug resistance, computer applications 3077.
association, predators, Metaseiulus occidentalis 12086.
bacteria, identification, methodology, reviews 2562.
bacteria like, isolation, Trypanosoma cobitis 2421.
bioaccumulation, pyrene, phenanthrene, water pollution 7433.
bioaccumulation, uranium, thorium, industrial wastes 7402.

Microorganisms, (continued)
  biodegradation, hydrocarbons, reviews 3855.
  biodegradation, organic compounds, pesticides, measuring techniques 7439.
  biodegradation, PCB, sewage 7434.
  biodegradation, sodium arsenate, chemostats 120.
  biological activity, ecosystem dynamics 2653.
  biomass, measuring techniques, ATP 12159.
  cadmium, toxicity, reviews 10038.
  carbohydrates residues, soil types, comparison, plants 10788.
  chemostats, population dynamics, predator-prey interactions, mathematical models 10760
  clinical microbiology, immunological aspects, man, conferences 13033
  colonization, surfaces, mathematical models 3832.
  conversion, tomatine, tomatidine 231
  cuticle, metabolism, insecticides, dieldrin, Calliphora erythrocephala 8135.
  dairy products spoilage, growth inhibition test, Streptococcus lactis subsp.diacetylactis, Leuconostoc cremoris, Leuconostoc dextranicum 6846.
  decomposition, role, fires, Mediterranean like ecosystems 13465.
  denitrification mechanisms 11004
  detection, culture, wound infection, burns, man 699.
  dextranase biosynthesis, screening 2756.
  distribution, animals houses, pour-plate method 6462
  ecosystem analysis, methodology 2532.
  effects on environmental conditions, anaerobic conditions, sediments, marine environment 8220.
  enumeration, blood culture, role, diagnosis, prognosis, bacteremia, septicemia 2246
  estuaries isolates, chitin biodegradation, stimulation azinphos-methyl 8418.
  estuaries, tin toxicity, factors affecting 7868.
  extraterrestrial life, pressure tolerance, Jupiter 13532.
  fatty acids metabolism, anaerobic environments, salt marshes 12713.
  fermentation detection, lactate dehydrogenase use 12386.
  food spoilage, lactic acid bacteria antagonism, association, cold storage 13458.
  gastrointestinal tract, ecosystem models, continuous culture, rats 3561.
  ground water, streams, biodegradation, lignocellulose, cinnamic acid 9491.
  growth, U.V. radiation effects on, hydroponics 427.
  growth, dissolved organic carbon substrates 10973.
  growth, ecology, water potential effects on, reviews 13506
  growth, mathematical models 1381.
  growth rate, nutrient deficiencies, mathematical models 11013.
  growth rate, relationship, nutrient utilization 1399
  host plants seedlings, oviposition stimuli, Hylemya antiqua 8136.
  humification, crop residues, Hordeum vulgare, humic acids 8182.
  immobilization, role, growth synchronization 2651.
  incidence, indicator species, recreation sites, lakes 9486
  infection, man, treatment, antibiotics 10501.
  isolation, characterization, pigs manure inoculum, association, starter cultures 10851.
  life cycles studies, mitochondria morphogenesis, use, antibiotics 9582.
  lignin degradation, N.M.R. studies 7435.
  metabolism, mathematical models, association, enzymes biosynthesis, continuous culture, reviews 8276
  metabolism, organic compounds, biodegradation, eutrophic environment, lakes 12161
  microenvironments, sediments, coal, coke, industrial effluents, effects on 13513.
  mineralization, glucose, uptake, marine environments, corexit 9527, dispersants, effects on 2643
  mines acidic waste water, nutrient requirements, iron oxidation 5641
  molybdenum cofactors, purification, oxidation products 12727.
  motility velocity, enumeration, methodology 9521.
  mutagenesis, U.V. radiation, reviews 4979.
  nitrification, lakes, British Isles 7339.
  nitrogen fixation, association, nitrogenase, adenosinetriphosphatase, reviews 9454.
  nitrogen fixation, ecological evaluation, herbicides effects on 8203.
  nitrogen fixation mechanisms, evolution 13477
  nitrogen fixation, Oryza sativa, flooded soils 4642.
  oils emulsions, biodegradation, theories 11015.
  pathogens, disease resistance, Insecta 9379.
  polymorphism, mathematical models, statistical genetics 12761.
  protein biosynthesis, rumen, sheep, feeding trials, nitrogen sources, effects on 3559.
  protein biosynthesis, sheep, rumen, linseed oil effects on 10637.
  role, proctitis, males, homosexuality 5324
  sand, marine environment, fuels wells drilling fluids effects on 10803
  secondary metabolism 8447.
  sediments, aquatic ecosystems, microcosms, environmental impact, heavy metals, nutrients 9489
  soil, calcium sulfide, inhibition, nitrification, ammonification 10800.
  symbionts, factors affecting abundance, mycetome, Glossina 7291.
  synthetic compounds biodegradation, biosphere 9657.
  thiamin transport 2600.
  toxins, nomenclature, reviews 7882.
  triticale, bacteria, fungi, rhizosphere, water stress, effects on 3704.
  trophic relationships, soil, nutrient dynamics, mineralization, decomposition 9437.
Microplasma,
  phyllody, Carthamus tinctoria, disease transmission, Neolaiturus fenestratus 12097.
Micropolyspora,
  taxonomy, characterization 1286.
Micropolyspora faeni,
  antigens, characterization 3175
  antigens characterization, synthetic media (culture) 6039
  farmer's lung, hypersensitivity, diagnosis, skin tests, characterization, man 7938.
  farmer's lung, man 5240.
  hypersensitivity, pneumonia, role, complement, rabbits 593.
  mushroom worker's lung, etiology, immunoprecipitation, relationship, composts, dust 1973.
Micropterus salmoides,
  red sore disease, Aeromonas hydrophila, agglutinin immune response, seasonal variations 6895
Microscopes,
  use, enumeration, substrate specificity marine environment bacteria 1276
Microscopy,
  acid-fast staining, sputum smears, Mycobacterium tuberculosis 4662.
  buffy coat, use, bacteremia diagnosis 10484.
  diagnosis, enteritis, Campylobacter fetus subsp.jejuni, man 3353.
  diagnosis, Mycoplasma infection, reviews 9568.
  enumeration, bacteria, milking machines 2526.
  fluorescence, Bacteroides fragilis, Bacteroides melaninogenicus, distribution, periodontal diseases, man 6955.
  Mycobacterium, isolation, identification, cultural characteristics, methodology 10883.
  observation methods, bacteria, staining, cytology, plants 12215.
  observation methods, specimens staining, identification, diagnosis, clinical microbiology 13254.
  Rhizobium, Leguminosae, interaction, nodules, characterization 6427.
Microsporum,
  phospholipids, fatty acid composition, temperature effects on 8644.
Microsporum canis,
  soil microorganisms, isolation, Egypt, Arab Rep. 1162.
Microsporum cookei,
  phospholipids, fatty acid composition, temperature effects on 8644.
Microsporum gypseum,
  diazachalcones, 2-pyrazoline derivatives, antimicrobial activity 422.
  phospholipids, fatty acid composition, temperature effects on 8644.
  soil microorganisms, isolation, Egypt, Arab Rep. 1162.
Microthreads,
  adherence bacteria, disinfectants aerosols, microbiocidal activity assays 11449.
Microtiter most-probable-number,
  enumeration, denitrification, nitrate reduction, bacteria, soil 2525.
Microvasculature,
  ultrastructure, skin, man, leprosy 13091.
Microwave radiation,
  effects on mutation, Escherichia coli 12742.
  effects on Salmonella typhimurium, Escherichia coli, Saccharomyces cerevisiae 56.
  potentiation, lethality endotoxins, mice 11509.
Middle ear,
  immune response, man, otitis media, bacteria pathogenesis 8999.
  infection, treatment, children 792.
  tuberculosis, man 6170.
Migration,
  leukocytes (neutrophilic), association, glycogenesis type Ib, Staphylococcus recurrent infection, man, case reports 600.
  leukocytes (polymorphonuclear), immunodeficiency, Pseudomonas aeruginosa otitis, man 9127.
Military personnel,
  bacteria enteritis, relationship, morbidity, mortality, reviews 10373.
  enteritis, factors affecting, bacteria 10371.
  Escherichia coli, antibiotic resistance, incidence, institutions, man, Switzerland, surveys 3072
  pharyngitis, Streptococcus, association, food contamination 13143.
  septicemia, meningitis, Neisseria meningitidis, factors affecting, man 12028.
Milk,
  acidophilic bacteria enumeration, media (culture), methodology 3773.
  antibody response, Escherichia coli, neonates, pigs 5235.
  bacteria enumeration, use bacteriostats, Coulter counters 9519.
  Brucella abortus detection, enzyme-linked immunosorbent assay 5187.
  citric acid, levels, cattle, mastitis, effects on 3622.
  citric acid levels, Staphylococcus aureus experimental infection effects on, cattle 7283.
  components, growth associaton, Streptococcus agalactiae 7475.
  contamination, Mycobacterium, association, tuberculin skin tests, cattle 4561.
  contamination, relationship, Campylobacter jejuni enteritis outbreaks, children, institutions 4417.
  contamination, Salmonella enteritidis ser.derby, association, infection, man 3370.
  detection, Dermatophilus congolensis antibodies, streptotrichosis, cattle 1906.
  effects on, dental plaque composition, incidence, dental caries, rats 1111.
  electrical conductance, diagnosis, mastitis, cattle 10657.
  Escherichia coli, antigen K1, association, intestinal microflora, intestine, neonates, man 6053.
  fermentation, mutants, Lactobacillus bulgaricus, Lactobacillus casei 7642.
  food hypersensitivity, association, excretion, Campylobacter fetus, Salmonella agona, children, case reports 832.
  growth, Streptococcus agalactiae clinical isolates, biochemical characteristics 7465
  isolates, Nocardia asteroides, Mycobacterium, mastitis, cattle 2387.
  isolation, Lactobacillus, temperature effects on 9621.
  isolation, Yersinia enterocolitica, media (enrichment), methodology 8252.
  Lactobacillus, identification, isolation 9549.
  leukocytes (neutrophilic), antibacterial activity, Staphylococcus aureus, inhibition, cream, cattle 4544.
  leukocytes (polymorphonuclear) leukocyte migration, Escherichia coli Endotoxins effects on, animal models 8897.
  levels, glucocorticoids, bovine serum albumin, Escherichia coli, mastitis, cattle 12069.
  lymphocytes, immunity (cell-mediated) assays, brucellosis, cattle 10137.
  pigs, antibacterial activity, Escherichia coli 8848.
  production, mastitis effects on, cattle, mathematical models 2337.
  Pseudomonas fluorescens, proteinase, biosynthesis, characterization 5788.
  Pseudomonas, psychrotrophic bacteria, taxonomy, ecology 8288.
  Staphylococcus aureus α-hemolysins antibodies, enzyme immunoassay 499.
  Staphylococcus isolates, fatty acid composition 233.
  sterilization, heat resistance mesophilic bacteria 9658.
  sterilization, heat resistance psychrophilic bacteria 9656.
  Streptococcus cremoris growth, nitrogen sources 1387.
  Streptococcus lactis subsp.diacetylactis, Lactobacillus bulgaricus, Lactobacillus casei, mutants, fatty acids biosynthesis 4953.
  yield, Streptococcus agalactiae mastitis, cattle 5465.
Milk production,
  bacteria mastitis, diploidy enumeration, cattle 13398.
  cattle, teat, udder, morphology, relationship 3581.
Milk ring test,
  bacteria, identification 9550.
  classification, Pediococcus, Aerococcus 38.
  detection, Brucella abortus, cattle 1094.
Milking,
  relationship, experimental infection, Escherichia coli, teat, cattle 3621.

Milking, (continued)
time, growth associaton, Streptococcus agalactiae 7475
Milking machines,
bacteria enumeration, membrane filtration, microscopy 2526
contamination, role mastitis, cattle 10671
mastitis, Staphylococcus aureus, Pseudomonas, Proteus, Streptococcus, detection, cattle 2347
role, mastitis, cattle 3586
role mastitis, cattle 10683
vacuum, effects on, Staphylococcus aureus, mastitis, cattle 4570
vacuum, role mastitis, cattle 10673
Milky disease,
Aphodius tasmaciae, Tipula paludosa, bacteria isolation, ultrastructure 5490
infectivity, Aphodius tasmaniae 1131
pathogenesis. Bacillus, Amphimallon majalis, Apis mellifera 9380
Mineral water,
contamination bacteria, U.V radiation effects on 8225
Mineralization,
carbon, lakes 3736
enhancement, 3,4-dichloroaniline, association, aniline, Pseudomonas putida 10782
microorganisms, marine environments, corexit 9527, dispersants, effects on 2643
nitrogen cycle, agricultural ecosystems, forests, paddy fields 9442
nitrogen cycle, disturbance, industrial wastes 9441
nitrogen, soil microorganisms, population density, seasonal variations 10797
nitrogen, soil temperature effects on 10791
nitrogen, soils, anaerobic conditions, aerobic conditions 8167
Nitrosomonas, crop fields, soil, Zea mays, phytotoxicity 6423
nutrient dynamics, trophic relationships, microorganisms, soil 9437
potassium, phosphorus, leaching, Achromobacter delicatulus, soils (volcanic) 13489
proteins, cellulose, soil microorganisms, thidiazuron effects on, crops 2456
sediments, heterotrophic microorganisms, Japan Coast 8230
teeth, association, dental caries prophylaxis, man 3307
Minerals,
clay, proteins, soil microorganisms growth 8186
clays, effects on hexamethylene diamine biodegradation, Bacillus subtilis 12376
clays, effects on 1,6-hexanediamine biodegradation, Bacillus subtilis 10995
effects on, bacteria, attachment, rocks, freshwater environment 13523
levels, bacteria, wetwood, Abies alba 10757
Mars soil+hydrogen peroxide, effects on Bacillus growth 11009
Mines,
acidic waste water, microorganisms, nutrient requirements, iron oxidation 5641
effluents, Thiobacillus, sulfur oxidation 8215
waste disposal sites, USSR, bacteria effects on plants development 13455
waste water, acid production, pollution sources, Thiobacillus ferrooxidans 9642
wastes, iron-oxidizing bacteria, sulfur bacteria, population levels 128
Minitek differentiation test,
Haemophilus characterization 3798
Minitek test,
Haemophilus influenzae, clinical isolates, identification 2558
Minks,
lung, cell culture, cytomegalovirus, varicella-zoster virus, plaque formation, Mycoplasma hyorhinis contamination effects on 3776
Minocin,
antibacterial activity, Ureaplasma 5046
Minocycline,
antibacterial activity Chlamydia 9972
antibiotic sensitivity testing, Bacteroides penicillin antibiotic resistance 5955
effects on, protein biosynthesis, Escherichia coli 1734
effects on, skin lipids, acne, Propionibacterium acnes, man 13082
Neisseria gonorrhoeae, antibiotic sensitivity testing 1728
+rifampicin, prophylaxis, meningitis, man, Arctic 3410
± rifampicin, Staphylococcus aureus, antibiotic resistance, methicillin, gentamicin, antibacterial activity 1733
treatment, non-specific urethritis, man 916
Misonidazole,
m-AMSA, effects on radiosensitization, toxicity, Escherichia coli 12950
Misreading,
proteins, association, amino acid starvation, Escherichia coli 5720
Mithramycin,
effects on recombination, phage SPP1 transfection 12765
Mitochondria,
evolution, Polymyxa palustris, bacteria, symbiosis, role, respiration 3677
metabolism, neuroblastoma cells, endotoxins, Escherichia coli effects on, mice 3135
morphogenesis, microorganisms life cycles studies, use, antibiotics 9582
rRNA 5S genes, man, DNA nucleotide sequence homology, bacteria 5726
Mitogenicity,
cell walls, peptidoglycans, teichoic acid, Bacillus subtilis, Staphylococcus aureus, lymphocytes 6922
mice, immune response, association, outer membranes proteins, Escherichia coli 9001
Mycoplasma, immunostimulation, lymphocytes, Thy-1 antigen capping 10238
Staphylococcus aureus extracts, mitogens, characterization 4268
Staphylococcus aureus, glycoprotein composition, antigens, cell membranes, mice, hypersensitivity (delayed) 5219
Staphylococcus aureus L form membranes, lymphocytes 6913
Streptococcus mutans antigens serotypes, lymphocytes B, mice 5199
Vibrio anguillarum, mice, characterization 6082
Mitogens,
Escherichia coli, outer membranes, endotoxins, proteins, identification, characterization 3168.
lymphocytes blastogenesis, helper factor, man 5212.
lymphocytes response, serum immunosuppressive factors effects on, association, leprosy, man 9073.
Mycoplasma arthritidis, antigenic characteristics, specificity, lymphocyte transformation, hosts 6887
Mycoplasma arthritidis, immunostimulation, lymphocytes T 11573
Mycoplasma arthritidis, stimulation, lymphocytes, mice, genetic analysis 4316
Staphylococcus aureus extracts, characterization, mitogenicity 4268
Streptococcus pyogenes, purification, characterization 11100
Mitomycin B,
analogs, synthesis, structure, antitumor activity, antibacterial activity 3084
Mitomycin C,
DNA biosynthesis, inhibitors, damage, bioluminescence induction, Photobacterium leiognathi 7486
Mitomycin C, (continued)
effects on, DNA release, Pseudomonas aeruginosa 3896
effects on Streptomyces narbonensis spores 10939
induction, lysogeny, phages, Desulfovibrio desulfuricans, electron microscopy, morphology 12818
induction, phages release, Acholeplasma laidlawii 4989
nonproducer cells, Streptomyces caespitosus mutants, characterization 8725
use, identification, Rhodococcus, Nocardia, Mycobacterium fortuitum, Mycobacterium chelonei, susceptibility 5967
Mitral valve,
endocarditis, man 2298
failure, association, bacteria, endocarditis, diagnosis, man, case reports 3480.
prosthetics, Streptococcus bovis, endocarditis, association, neoplasia, colon, man 3521
Mixed culture,
alkanes media, Candida parapsilosis, Bacillus, growth characterization, association, myristic acid 8423
alkanes media, Candida parapsilosis, metabolites biosynthesis, association, Bacillus stearothermophilus 8435
anaerobic microorganisms, mesophilic bacteria, cellulose conversion, ethanol 7462
Arthrobacter+Mycobacterium rhodochrous, biodegradation, n-alkylcycloalkanes 1382.
Bacillus, Candida parapsilosis, growth, alkanes, nutrient sources, characterization 7443
Bacillus+Streptomyces propurpuratus, biosynthesis, pigments 1429
bacteria, biodegradation, crop residues, calorimetry 10989.
bacteria, fungi, nitrogen fixation, hydrogen production 12726.
Candida, +bacteria, drug sensitivity testing effects on sterols, biosynthesis 5988
Candida parapsilosis, myristic acid, utilization, Bacillus stearothermophilus 7441
Clostridium pectinofermentans, +Methanosarcina vacuolata, methane production 12734
coagulase negative Staphylococcus transfer antibiotic resistance, drug resistance, Staphylococcus aureus 4197
Cyanophyta, Mycobacterium, hydrocarbons biodegradation 11007.
Escherichia coli, Bacteroides fragilis, association, Eubacterium aerofaciens, 7β-hydroxysteroid dehydrogenase, ursodeoxycholic acid, formation 12611
Escherichia coli, pseudomonas aeruginosa, cold tolerance, pH, water 11005
Legionella pneumophila, interaction, Naegleria lovaniensis, Acanthamoeba royreba, food sources 13460
methanotrophic bacteria, species composition, control, immune serum 10.
microorganisms, biodegradation, sodium sulfite, sodium lignosulfonate 8397
nitrate reduction, antagonism, Pseudomonas denitrificans, rivers 8427
Propionibacterium shermanii, Lactobacillus acidophilus, commensalism, growth rate, glucose, lactate 10762
Pseudomonas, alcohol oxidase, production 8555.
Rhodospirillum rubrum, Klebsiella pneumoniae, immobilized cells, hydrogen production 236.
Staphylococcus aureus, transfer, antibiotic resistance, phages, transduction 11427
Streptococcus lactis, Saccharomycopsis fibuliger, starch, biodegradation, products, commensalism, competition 8160
Streptomyces propurpuratus, Bacillus, pigments production, neopurpuratin, characterization 6563
Streptomyces rimosus, Streptomyces violaceus, proteinase biosynthesis, media composition 11216
yeasts, Lactobacillus, sourdough fermentation 11020
Mixed infection,
aerobic bacteria anaerobic microorganisms, cost-benefit analysis, antibiotics treatment 6290.
anaerobic bacteria, man 2282
bacteria, treatment, antibiotic sensitivity testing, diabetes mellitis, ulcers, foot, man 3507
cattle, parainfluenza virus 3+Pasteurella haemolytica, Corynebacterium parvum effects on lung bacteria immune clearance 13034.
Chlamydia psittaci, Staphylococcus, organotropism, mice 13298.
Chlamydia trachomatis, Neisseria gonorrhoeae, genitourinary tract, treatment, cefuroxime, children, case reports 2151.
Coccidia, bacteria, enteritis, diarrhea, juveniles, pigs 2343
dogs, Encephalitozoon cuniculi, Leptospira interrogans 8089
Escherichia coli± Bacteroides fragilis, rats, effects on liver 13407.
Flavobacterium, Mycobacterium, tuberculosis, pathology, fish 2349
man, pneumonia, Legionella pneumophila, Legionella micdadei 9092.
man, treatment, ornidazole, Escherichia coli, Bacteroides fragilis 942.
mice, Acholeplasma laidlawii+Rauscher leukemia virus, spleen lymphocytes activity 11622
Mycobacterium, immunosuppression, guinea-pigs 6065.
Mycoplasma pneumoniae+coxsackievirus A, meningomyelitis, man 10431.
Nocardia asteroides+Pneumocystis carinii, pneumonia, pathology, carcinoids, man, case reports 1969
parainfluenza virus 3+Pasteurella haemolytica, pathogenesis, sheep 5489
Pasteurella haemolytica, interaction, parainfluenza virus 3, pneumonia, pathology, cattle 10692
pelvic inflammatory disease, bacteria, etiology, treatment, females, man 6216.
Rauscher leukemia virus+Listeria, immunosuppression, erythroleukemia induction, mice 13372
rotavirus+Escherichia coli, incidence, juveniles, cattle 12049
rotavirus, Escherichia coli, gastrointestinal tract infection, scours, pathology, cattle 12048
sheep, adenovirus (ovine)± Pasteurella haemolytica, pathogenesis 12075.
Staphylococcus aureus, viruses, respiratory tract, man 7004
urinary tract, antibodies, immunoglobulins, levels, serum, urine, man 1899.
Mixotrophy,
media comparisons, metabolism, Methanosarcina barkeri 6543.
Thiobacillus, growth rate, glucose, formic acid, chemostats 2665.
Mobility,
electrophoresis, electropotential, Bacillus megaterium, comparison, Candida utilis 12300.
rotation, reaction centers, linear dichroism, chromatophores, Rhodospirillum rubrum 3880.
Models,
antimicrobial agents, antibiotic synergism, dose-response effects 4466.
Bacteria, factors affecting biomass, association RNA structure 12461
bacteriorhodopsin, protons conduction, mechanisms 6544

Models, (continued)
- carboxysomes, function, Thiobocillus neapolitanus, Calvin cycle, enzymes 5773.
- Caulobacter crescentus, flagella, morphology, structure 8386.
- control programs, surveillance, nosocomial infection, man, hospitals 10567.
- dynamics, electron transfer, reaction centers, photosynthesis bacteria 8476.
- electromagnetic radiation+bacteria culture, methodology 8260
- membranes, reconstitution, bacteriorhodopsin, photoelectric properties, Halobacterium halobium 7479.
- membranes, vesicles, toxins binding ganglioside Gm1 receptors, quasielastic light scattering 7888.
- Micrococcus luteus endodeoxyribonuclease (apurinic or apyrimidinic), role, DNA repair, cyclobutane pyrimidine dimers 9730.
- Mycoplasma adherence cell surface, mechanisms 9600.
- Mycoplasma adherence respiratory tract epithelium, erythrocytes adherence 9601.
- pharmacokinetics, antibacterial activity, ceftazidime, Pseudomonas aeruginosa 5085.
- respiratory tract infection, epidemiology, seasonal variations, hospitals, man 6188.
- ribosomal subunit 50S, Escherichia coli, structure, X-ray scattering 5719.
- ribosomes structure, evolution, rRNA 5S interaction ribosomal protein L3, yeasts, comparison prokaryotes 8505
- sewage treatment, slurries, pigs, ponds, biodegradation 7345.
- sewage treatment, tricresyl phosphate biodegradation, sludge 6541.
- stoichiometry, bacteria, growth, activated sludge 2644.
- urinary tract, bacteria, R factors transfer, antibiotic resistance 7833.

Modification,
- enzymatic, aminoglycoside antibiotics, association, antibiotic resistance, Pseudomonas aeruginosa, Enterobacteriaceae 12678.

Modulation,
- Rhizobium japonicum, nitrogen fixation, Glycine max, soil moisture effects on 9470

Moisture,
- media (culture), effects on colonial characteristics, morphology, Campylobacter fetus subsp.jejuni 3822.

Molars,
- ablation, bacteria postoperative infection association, treatment, phenoxymethylpenicillin, azidocillin, man 10499
- dental caries, man, Nigeria 1959.

Molasses,
- Corynebacterium glutamicum, utilization, glutamic acid biosynthesis 12375.
- fermentation, Zymomonas mobilis, ethanol production 10970.

Molds,
- antimicrobial activity, vinegar 425.
- effects on metals workers, association antibody response 6067.

Molecular weight,
- catechol oxidase, Streptomyces glaucescens, secretion 8599
- determination, transposon Tn233 12840
- dihydrolipoamide acetyltransferase, Escherichia coli 6660
- Escherichia coli, ColE1 relationship copies 11322.
- pili subunits, antigenic characteristics, amino acid composition, Escherichia coli 6499

Mollicutes,
- taxonomy 8333.
- transmission, role, Neolaiturus fenestratus, Carthamus tinctorius infection 7295.

Mollusca,
- bacteria Mollusca relationship water quality, coastal environment 8219.
- microflora, Clostridium perfringens 13363.

Moloney sarcoma virus,
- mos gene, polyoma virus antigen t genes, fusion, gene expression, Escherichia coli 9824

Molybdate,
- effects on, Rhizobium japonicum, resistant mutant chlorate, nitrate reductase 1542.

Molybdenum,
- Azotobacter vinelandii, deficiency, nitrogen fixation 9651
- binding, Escherichia coli. defective mutant, nitrate reductase, formate dehydrogenase, insertion, membranes 2848.
- centers, nitrate reductase, distribution plasma membranes, E.S.R., Escherichia coli 12335.
- cofactors, association, biotin sulfoxide reductase activity, Escherichia coli 8600
- cofactors, purification, oxidation products, microorganisms 12727.
- effects on, Methanosarcina, Methanobacterium thermoautotrophicum, Methanobacterium bryantii, digestion (anaerobic) 2634.
- iron proteins, nitrogenase, X-ray diffraction, Clostridium pasteurianum 7544.
- requirements, Escherichia coli, trimethylamine N-oxide reductase, protons, translocation, anaerobic conditions 3963.

Monascidin A,
- Monascus purpureus biosynthesis, antibacterial activity Bacillus subtilis, isolation, purification, characterization 5102

Monensin,
- antibacterial activity, rumen microorganisms, in vitro 5929.

Monesin,
- structure, relationship, antibiotic X-14667A, antibiotic X-14667B, Streptomyces cinnamonensis subsp urethanofaciens 2983.

Monitoring,
- catheters, role, detection, nosocomial infection, urinary tract infection, man, hospitals 2078.
- equipment, Clostridium sporogenes, spore outgrowth, methodology 2501.
- oxygen, temperature, bacteria monitoring 4652.

Monoacylglycerols,
- Nocardia asteroides, isolation, characterization 6680

Monobactams,
- binding muramyl-pentapeptide carboxypeptidase, Streptomyces 11150.

Monochloroacetic acid,
- dehalogenation, soil microorganisms, Pseudomonas putida, enzymatic activity, characterization 1503

2-Monochlorobutanoic acid,
- dehalogenase, Pseudomonas putida, mutants, selection, induction, continuous culture 1614

2-Monochloropropionic acid,
- dehalogenation, soil microorganisms, Pseudomonas putida, enzymatic activity, characterization 1503

2-Monochlorpropionate,
- Pseudomonas putida dehalogenase activity association, mechanisms 12682

Monoclonal antibodies,
- agglutination, Vibrio cholerae lipopolysaccharides, antigenic characteristics 13007.
- antigenic characteristics Neisseria gonorrhoeae+Neisseria meningitidis lipopolysaccharides 6056.
- association, immune response, mice, gram-negative bacteria outer membranes extracts 11594.
- Clostridium botulinum, toxins, enzyme-linked immunosorbent assay, antigenic determinants, neutralization 10067.
- Escherichia coli LamB gene proteins, outer membranes topography 8526.
- hybridoma, reactivity, Streptococcus group A, protein M, immunization (passive), mice 11560
- immunosuppression, cytotoxicity, Corynebacterium diphtheriae toxins 6910.
- lectins, Actinomyces viscosus, pili, detection 3169.
- Leptospira interrogans lipopolysaccharides antigens, production, characterization 11537.
- Mycoplasma hyorhinis, comparison, tumor cells, in vitro 5245.
- production, lymphocytes B, transformed cells, Epstein-Barr virus, toxoids, Clostridium tetani 3166.
- role, Escherichia coli β-D-galactosidase activation 9783.
- specificity, idiotypes, gram-negative bacteria lipopolysaccharides 10159.
- use, Mycobacterium antigens detection, characterization, association, tuberculosis 11545.
- use, specificity, antigenic characteristics, Chlamydia trachomatis, antigens 8928.

Monocytes,
- antibacterial activity, isotopes, assays, Mycobacterium scrofulaceum 10136.
- chemotaxis defects, Mycobacterium tuberculosis, lung, tuberculosis, man 11615.
- chemotaxis deficiency, pneumonia, recurrent infection, man 8956.
- cytotoxicity, immunosuppression, Mycobacterium intracellulare infection, children, case reports 594.
- defects, association, mycobacteriosis, man, case reports 6091.
- Escherichia coli filtration, effects on, function, man 13020.
- function, association, lung tuberculosis, man 3205
- Haemophilus parahaemolyticus effects on, pigs 1812.
- immune response, recurrent infection, bacteria, clinical aspects, infants, man 6069
- immunity (cell mediated), Schistosoma mansoni, larval, infection, association, tuberculosis, man 3225.
- +macrophage-activating factor, association, phagocytosis, Staphylococcus albus 5236
- man, phagocytosis, bacteria 4322.
- pathogens killing, mechanisms 7937.
- phagocytosis, antibiotics effects on, Escherichia coli, mice 11582.
- phagocytosis, meningitis, Listeria monocytogenes, association, iron overload, man 8987.
- phagocytosis, monocytic leukemia, man 11621.
- phagocytosis, Pseudomonas aeruginosa, cystic fibrosis, antisera 13043.
- production, Listeria monocytogenes, extracts, induction, mice 10181.
- Staphylococcus aureus, immune response, immunoglobulin G, complement, activation 11591.

Monocytic leukemia,
- man, monocytes, phagocytosis 11621.

Mononuclear phagocyte system,
- phagocytosis, Staphylococcus aureus, infectious bursitis effects on, chickens 1071.

Mononuclear phagocytic system,
- ultrastructure, association, leprosy 8957

Monosaccharides,
- transport, Thermus flavus, Thermus ruber 8454.

Moraxella,
- +Acinetobacter colonies, sodium phosphate, sodium chloride, effects on 5127.
- antimicrobial agents susceptibility 11387.
- benzoic acid, metabolism, anaerobic conditions 102.
- classification 24.
- cornea ulcers, surgery, case reports, man 11952.
- experimental infection, Carcinus maenas, nephrocytes, role, defense mechanisms, phagocytosis 2401
- isolation, β-D-mannosidase 1513.
- like microorganisms, production, isobutyraldoxime O-methyl ether 12728.
- microflora, Biomphalaria glabrata 5493.
- microflora, Euphausia superba, Euphausia crystallorophias 1133.
- plasmid pUO1, association, mercury drug resistance, isolation, characterization 4138.
- radioresistance, beef sterilization 5146.
- taxonomy 8305.

Moraxella bovis,
- antibiotic sensitivity testing, cloxacillin, streptomycin, antibiotic resistance 7842.
- antigenic characteristics 8945.
- keratoconjunctivitis, cattle, association Musca autumnalis 6366.
- keratoconjunctivitis, cornea pathology, cattle 1059.
- keratoconjunctivitis, epizootiology, risk factors, cattle 4592.
- survival, digestive tract, pathogens, Musca autumnalis 10696.
- vaccination, keratoconjunctivitis, cattle 636.
- vaccines, animals, nomenclature, preparation 10274.

Moraxella kingae,
- pneumonia, complications, measles, man 3330.

Moraxella nonliquefaciens,
- endocarditis, treatment, penicillin, prosthetics, man 7190.
- endophthalmitis, immunocompromised hosts, case reports, man 7167.

Morbidity,
- cellulitis, association, gas gangrene, bacteria, treatment, prophylaxis, man 10600.
- factors affecting, bacteria respiratory tract infection, children, Canada 10326.
- relationship, bacteria enteritis, military personnel, reviews 10373.
- toxic shock syndrome, man, USA 10104.

Morganella morganii,
- clinical isolates, penicillinase, effects on β-lactam antibiotics derivatives, stability 5920.
- nosocomial infection, epidemics, hospitals, man 4482.

Moringa oleifena,
- plant extracts, stimulation, Vigna mungo 6411.

Moringa oleifera,
- plant extracts, antimicrobial activity, bacteria, fungi 432.

Moringa stenopetala,
  plant extracts, antimicrobial activity, bacteria, fungi 432.
Morone saxatilis,
  bacteria infection, aquaculture 9342
Morphogenesis,
  Bacillus subtilis, temperature-sensitive mutant, cocci formation, cell walls 1338.
  Coxiella burnetii 58
  Escherichia coli, fatty acids auxotrophy, fatty acids effects on 66
  flagella, Caulobacter crescentus, role flagellin 4740.
  flagella, mutants, role flagellin 4738
  mitochondria, microorganisms life cycles studies, use, antibiotics 9582.
  phage ψ, DNA, lysogeny, Agrobacterium tumefaciens 11299
  Salmonella typhimurium ovoid form, mecillinam induction 1404
Morpholine,
  biodegradation, bacteria, characterization 8426
Morphology,
  Actinobacillus, Pasteurella, poultry isolates 7395
  Actinomadura polychroma sp nov , Actinomadura umbrina sp.nov. 10932
  Aeromonas salmonicida, identification, phage typing 2565
  Bacillus brevis, cell walls, proteins secretion, factors affecting 1370.
  Bacillus subtilis, spore germination, macromolecules biosynthesis, aminoglycoside antibiotics, peptide antibiotics effects on 6487
  Bacillus subtilis, temperature-sensitive mutant, cell walls, spore outgrowth, electron microscopy 2593
  bacteria, contagious equine metritis isolates, horses 8324.
  bacteria, infection, macrophages, bone marrow, Cyclura cornuta 10700.
  Bacteroides fragilis, Haemophilus vaginalis, metronidazole, tinidazole, effects on 9609
  Bdellovibrio, isolation, rivers, comparison, sewage 10930
  Bifidobacterium bifidum, ultrastructure 12307
  Brevibacterium ammoniagenes, cell cycle 12313
  Campylobacter fetus subsp jejuni, colonial characteristics, media (culture) moisture effects on 3822
  Caulobacter, cell division, septation 12332
  Caulobacter crescentus, nucleoids, sedimentation, centrifugation, electron microscopy 9579
  cell shape, halophilic bacteria isolation, USA, California, Mexico 12327
  cells, Treponema pallidum adherence effects on, cell culture 9578.
  cerebrospinal fluid cells, bacteria infection, central nervous system diseases, man 9179
  Clostridium perfringens, colonial characteristics, characterization 10955
  Corynebacterium beticola, physiology, chemical analysis, taxonomy 9545
  coryneforms 10908
  electron microscopy, Desulfovibrio desulfuricans, mitomycin C, induction, lysogeny, phages 12818.
  Escherichia coli, alanine carboxypeptidase effects on 7420
  Escherichia coli, density, continuous culture 12295
  Escherichia coli, Pseudomonas aeruginosa, cefotaxime, antibacterial activity 5916
  Escherichia coli, Serratia marcescens, cefmenoxime, antibacterial activity 3027
  Escherichia coli, Serratia marcescens, cefmenoxime, effects on 4177.
  flagella, Caulobacter crescentus, models 8386
  function, tissue culture enterotoxins effects on, Clostridium difficile, HeLa cells association 7899
  gas vacuoles, Halobacterium salinarium, mutants, proteins, characterization 2626.
  glycocalyx, staphylococcus aureus, electron microscopy 5621
  Halobacterium halobium, Halobacterium salinarium, Halobacterium volcanii, growth, ions, thermodynamics 2604
  IncFI plasmid, incompatibility, bacteria 8734
  Kurthia zopfii, strains, electron microscopy, growth 10954
  Leptospira, media (culture), colonial characteristics 9542.
  Listeria monocytogenes, budding, cytoplasm, ultrastructure 2596
  lysozyme, inorganic compounds, effects on Streptococcus mutans 12325
  macrophages, leukocytes (neutrophilic), inflammation, Legionella pneumophila experimental infection, guinea-pigs 11604
  macrophages, phagocytosis, bacteria, rats 588
  membranes, Methylosinus trichosporium, growth, methanol, methane mono-oxygenase 2642.
  Methanobacterium, nutrient requirements, isolation, animal wastes 2573
  methylotrophic bacteria, drinking water isolation 10999
  mycobacterium, pathogenicity effects on 12337.
  Myxobacterales, spores, media (culture), methodology 12222
  Neisseria meningitidis, benzylpenicillin effects on, electron microscopy 5912.
  Neisseria meningitidis, penicillin effects on 12902
  Neisseria meningitidis, penicillin G effects on 349
  Nocardia asteroides, L form, cell walls, chemical composition, growth stage 2616
  Noctiluca scintillans, flagella, bacteria symbiosis 10761.
  phage S1, taxonomy, isolation, Spiroplasma, lysis 5000.
  phages, Bacillus licheniformis, isolation, characterization 9854
  phages, isolation, Apis mellifera, Bacillus larvae 9855
  phages, taxonomy, Mycoplasma, Spiroplasma, Acholeplasma 9853.
  pili, Neisseria gonorrhoeae, amino acid composition, antigenic characteristics 1344
  Pseudomonas, contamination, sterinol, disinfectants 414.
  psychrophilic bacteria, bioluminescence, cell walls 12326.
  purple membranes, Halobacterium halobium, freeze-fracture, characterization 5690.
  Rhizobium, nodules, Pisum sativum 12134.
  Shigella flexneri, mutants, culture, identification, virulence 11285.
  Spirillum, soil isolates 7417.
  spirochaeta, biochemical characteristics, role digestion, rumen, cattle 12033
  Spiroplasma citri like, cultural characteristics, infection, Armoracia rusticana 1327.
  Spiroplasma citri, relationship, growth, replication, cultural characteristics effects on 74.
  Spiroplasma infection, Opuntia tuna monstrosa, Lactuca sativa, scanning electron microscopy 8150.
  spores, Bacillus cereus, Bacillus anthracis, identification 5589.
  Streptococcus faecium, growth, cell division, relationship, surface properties, effects on 1333.
  Streptococcus mutans, mutants, isolation, chains 11289.
  Streptococcus mutans, protein biosynthesis, peptidoglycans biosynthesis, penicillin, effects on 4179.
  Streptococcus mutans, serotypes, biochemical analysis, antigenic characteristics, cultural characteristics 10896.
  Streptomyces olivaceus, association, lipid biosynthesis 10945.
Morphology, (continued)
  succinate nutrient enrichment effects on, Rhizobium trifolii, presentation, nodulation, electron microscopy 8213.
  sulfur granules, Pseudomonas aeruginosa 2342.
  teat, udder, relationship, Staphylococcus aureus, mastitis, milk production, cattle 3581
  Thermononosporia, biosynthesis antibiotics, antibacterial activity 8747.
  Treponema palladum, syphilis, man 4457.
  Verticillium dahliae, sclerotia, colonization, soil microorganisms, pH, effects on 3728.
  yeasts, bacteria, vacuum effects on 12299
Mortality,
  Anguilla anguilla juveniles, Edwardsiella tarda infection 6333.
  bacteria pneumonia complications, geriatrics 13146.
  bacteriuria, relationship, geriatrics, man 2098.
  bioassays, spores, crystals, Bacillus thuringiensis, Ostrinia nubilalis 7897.
  biological control, pathogens, Bacillus thuringiensis, Diacrisia obliqua 4595.
  cellulitis, association, gas gangrene, bacteria, treatment, prophylaxis, man 10600.
  gas gangrene, Clostridium, man, Canada 3456.
  man, infection, gram-negative bacteria, association bacteriuria 8000.
  Neisseria meningitidis infection, man, British Isles, surveys 7153.
  Pseudomonas aeruginosa, otitis externa, man, case reports, reviews 3342.
  γ radiation, Enterobacteriaceae effects on gnotobiotics mice 10726.
  relationship, bacteria enteritis, military personnel, reviews 10373.
  relationship, perinatal infection Ureaplasma urealyticum, man 5373.
  septicemia, Streptococcus pneumoniae, case reports, man 9305.
  Streptococcus group B, sepsis, meningitis, neonates, man 2123.
  temperature effects, parasitism, Galleria mellonella 3654.
Mossbauer spectroscopy,
  characterization ferredoxin iron-sulfur centers, Bacillus stearothermophilus 11115.
  ferredoxin, Methanosarcina barkeri 11107.
  iron-sulfur centers, ferredoxin, Desulfovibrio gigas 11103.
  resolution, hydroxylamine oxidase, Nitrosomonas europaea 11189.
Most probable number,
  bacteria, nitrification, soil, sediments 6414.
  coliforms, seawater, seafood 2527.
  coliforms, taxonomy, isolates, Crassostrea, water, sediments 5575.
  pathogens, indicator species, water quality 7369.
  Salmonella, incidence, chickens carcasses 10655
Mothers,
  detection, Escherichia coli, enterotoxins, antibodies, man, Ethiopia, Sweden, Costa Rica 3229.
Motility,
  Bacillus subtilis, lipophilic cations effects on 71.
  chemotactic response, sugars, Rhizobium leguminosarum 5619.
  Escherichia coli, chemotaxis, dissolved oxygen effects on 4734.
  Pseudomonas aeruginosa, M form, reversion, cultural characteristics 8707.
  Rhizobium meliloti, role, nodulation, competition 3695.
  spermatozoa, bacteria growth effects on, man 6225.
  taxis, Spiroplasma 62.
  velocity, microorganisms, enumeration, methodology 9521.
  Yersinia enterocolitica, identification, temperature effects, media (culture) 1348.
Mountains,
  USA, Washington, environmental changes, effects on population levels, heterotrophic bacteria, lakes 12155.
Mouth,
  epithelium, Haemophilus influenzae adherence, association, pathogenesis, man 10322
  β-lactam antibiotics effects on, microflora, colonization, man 10282.
Mouthwashes,
  antibacterial activity, odor control, bacteria, man 3260.
  chlorhexidine digluconate, oral hygiene, effects on, gingivitis, dental plaque, man, clinical trials 3296
  chlorhexidine, effects on, dental plaque, gingivitis, bacteria, children 11684.
  chlorhexidine gluconate, alexidine, effects on, dental plaque, saliva bacteria, man 733.
  chlorhexidine gluconate, effects on, dental plaque, dental calculus, children 3292
  chlorhexidine, inhibition, dental plaque, man 712.
  inhibition, dental plaque bacteria, glycolysis 5277.
Moxalactam,
  ± ampicillin, antibacterial activity, Streptococcus group B 334.
  antibacterial activity, aerobic bacteria, anaerobic bacteria, clinical isolates 6796
  antibacterial activity, anaerobic bacteria 3014.
  antibacterial activity, antibiotic sensitivity testing, Clostridium difficile 8763.
  antibacterial activity, Bacteroides fragilis 6789.
  antibacterial activity, clinical isolates 12900.
  antibacterial activity, clinical isolates, bacteria 7787.
  antibacterial activity, clinical isolates, Enterobacteriaceae, Pseudomonas, non-fermentative gram-negative bacteria 7792.
  antibacterial activity, clinical isolates, Enterobacteriaceae, Staphylococcus aureus 11406
  antibacterial activity, Enterobacteriaceae, penicillinase, biosynthesis, in vitro 360
  antibacterial activity, gram-negative bacteria clinical isolates 5108.
  antibacterial activity, gram-negative bacteria, gram-positive bacteria, clinical isolates 9934
  antibacterial activity, gram-positive bacteria 1716.
  antibacterial activity, in vitro 1718.
  antibacterial activity, Nocardia asteroides 8776.
  antibacterial activity, penicillinase stability 7782.
  antibacterial activity, pharmacology, efficacy, in vitro 3007.
  antibacterial activity, Pseudomonas aeruginosa 5064.
  antibacterial activity, Pseudomonas aeruginosa 6797.
  antibacterial activity, Pseudomonas aeruginosa 6811.
  antibacterial activity, Pseudomonas aeruginosa, Acinetobacter, Bacteroides fragilis, in vitro 326.
  antibacterial activity, Pseudomonas aeruginosa, Hafnia, in vitro 351.
  antibacterial activity, Pseudomonas aeruginosa, Serratia marcescens, Klebsiella pneumoniae, Providencia stuartii 4166.
  antibacterial activity, Staphylococcus aureus 6803.

- **Moxalactam, (continued)**
  - antibacterial activity, Staphylococcus aureus, antibiotic resistance 1722.
  - antibacterial activity, Streptococcus pneumoniae 12904.
  - antibiotic sensitivity testing, Pseudomonas aeruginosa, antibiotic resistance, pencillinase 3029.
  - antibiotic therapy, association, colitis, Clostridium difficile, endotoxins, man, case reports 3145.
  - ± clindamycin, antibacterial activity, Staphylococcus, Streptococcus, Enterobacteriaceae, susceptibility, in vitro 339.
  - comparison, β-lactam antibiotics, antibacterial activity, Enterobacteriaceae, clinical isolates 7791.
  - comparison, ceftazidime, antibacterial activity, Pseudomonas, Enterobacteriaceae, in vitro 358.
  - comparison, cetriaxone, ampicillin, Salmonella typhimurium, experimental infection, mice 11896.
  - comparison, thienamycin, Pseudomonas aeruginosa, Pseudomonas maltophilia, gram-negative bacilli, antibacterial activity 8766.
  - enantiomers, comparison, antibacterial activity, stability, in vitro 386.
  - Escherichia coli antibiotic resistance, effects on penicillin-binding protein, membrane structure 6832.
  - +gentamicin, antibiotic synergism, Staphylococcus aureus, Pseudomonas aeruginosa, clinical isolates 12887.
  - +mecillinam, treatment, Escherichia coli meningitis, animal models 9180.
  - ± penicillins, antibacterial activity, Haemophilus influenzae, Streptococcus pneumoniae, Neisseria meningitidis 5922.
  - pharmacokinetics, Staphylococcus aureus endophthalmitis, experimental infection, rabbits 2397.
  - ± tobramycin, serum bactericidal activity, Pseudomonas aeruginosa, Staphylococcus aureus, man 313.
  - treatment, abdomen surgery infection, Streptococcus faecalis, Pseudomonas aeruginosa 7016.
  - treatment, anaerobic bacteria infection, cancer patients 11982.
  - treatment, bacteria infection, man 8052.
  - treatment, bacteria infection, man 9221.
  - treatment, bacteria, infection, man 9265.
  - treatment, children, meningitis, cerebrospinal fluid distribution 10427.
  - treatment, Enterobacteriaceae meningitis, pharmacokinetics, rabbits 7066.
  - treatment, infection, man 7188.
  - treatment, infection, man 10503.
  - treatment, infection, Pseudomonas aeruginosa, gram-negative bacteria, man 9310.
  - treatment, man, Streptococcus group D, infection, colonization, relationship 4469.
  - treatment, meningitis, gram-negative bacilli, man 887.
  - treatment, meningitis, Haemophilus influenzae, Streptococcus pneumoniae, animal models 7073.
  - treatment, meningitis, man 9168.
  - treatment, otitis media, mastoiditis, Pseudomonas aeruginosa, man 11748.
  - treatment, Serratia marcescens, Pseudomonas aeruginosa, infection, antibiotic resistance, pharmacokinetics, man 3446.
  - treatment, urinary tract infection, adults, man 7999.
- **Moxalactam disodium,**
  - antibiotic sensitivity testing, Enterobacteriaceae 6808.
- **Moxolactam,**
  - antibacterial activity, Enterobacteriaceae, characterization 7779.
- **MS-2 system,**
  - antibiotic sensitivity testing, antibiotic resistance, methicillin, staphylococcus aureus, characterization 8794.
  - automated methods, antibiotic sensitivity testing, drug sensitivity testing 11388.
  - detection, methicillin antibiotic resistance, Staphylococcus aureus 4198.
- **Mucin,**
  - effects on Yersinia enterocolitica virulence 4267.
  - pigs, effects on, Escherichia coli experimental infection, muscles, mice 7217.
  - secretions, Vibrio cholerae toxins effects on, guinea-pigs 3146.
  - secretory immunoglobulin A effects on interaction Salmonella typhimurium intestine 11564.
- **Mucobacterium,**
  - saprophytes, galactonate catabolism 122.
- **Mucolipidosis,**
  - man, fibroblasts, lysosomal enzymes, activity, Escherichia coli endotoxins effects on 1823.
- **Mucophilosis,**
  - etiology, bacteria, Cyprinus carpio 1089.
- **Mucopolysaccharides,**
  - Escherichia coli infection, urinary bladder, epithelium, charactericaton, rats 11829.
- **Mucor michi,**
  - antifungal activity, antibiotic 8006-I, Fusarium oxysporum, antifungal activity, antibiotic 8006-I 11422.
- **Mucosa,**
  - epithelium, bacteria, adherence, colonization, virulence, antibiotics treatment, children, conferences 10841.
  - fallopian tube, Neisseria adherence, role, pathogenesis, man 11825.
  - intestine, in vitro, interaction, vibrio cholerae, role, chemotaxis 81.
  - intestine, mice, interaction, Vibrio cholerae, role chemotaxis 75.
  - intestine, rabbits, interaction, Vibrio cholerae, role, chemotaxis 76.
  - intestine, rabbits, interaction, vibrio cholerae, role, chemotaxis 82.
  - intestine, Salmonella typhimurium penetration, association, antibiotics treatment, animal models 10379.
  - man, dental restorative materials, bacteria growth 11682.
  - oviduct, association, Neisseria gonorrhoeae, lipopolysaccharides, toxicity, host specificity, man 10124.
  - skin diseases, erythema mulitiforme, man, reviews 13087.
  - urinary tract, Escherichia coli, attachment, inhibition, immunoglobulin A, man 3194.
  - Vibrio cholerae toxins immunization, memory cells immune response, rats 7960.
- **Mucus,**
  - nasopharynx, colonization adherence, Streptococcus pneumoniae, children 9602.
  - urinary tract, adherence, Escherichia coli 92.
- **Mud,**
  - Beta vulgaris, organic matter, digestion (anaerobic), odor control 9427.
- **Mugil,**
  - organoleptic evaluation, luminous bacteria effects on 9334.
- **Mugil cephalus,**
  - Vibrio anguillarum disease transmission 1108.
- **Mulches,**
  - effects on bacteria enzymatic activity, soil 12143.
- **Multienzyme complexes,**
  - pyruvate dehydrogenase (lipoamide), chymotrypsin proteolysis, N.M.R., Bacillus stearothermophilus 11168.
  - pyruvate dehydrogenase, Pseudomonas aeruginosa deficient mutant, purification, characterization 1524.
  - pyruvate dehydrogenase, Pseudomonas aeruginosa deficient mutant, isolation, characterization, genetic analysis 1610.
  - pyruvate dehydrogenase, reconstitution, Bacillus stearothermophilus 11188.
- **Multiple myeloma,**
  - association, gram-negative bacilli infection, man 10454.
  - association, meningoencephalitis, septicemia, Haemophilus influenzae, man, case reports 3416.
  - chemotherapy, association, risks, infection, man 9204.
- **Multiple sclerosis,**
  - Corynebacterium diphtheriae, Clostridium tetani, toxoids, antibodies levels, man 566.
- **Multiplicity of infection,**
  - Zea mays, stunt, Spiroplasma citri, maize mosaic virus, Jamaica 7307.
- **Mummy,**
  - skin isolates, bacteria, spores, ultrastructure 7413.
- **Muramyl dipeptide,**
  - effects on Klebsiella infection, association, hyperferremia, mice 11965.
  - immunostimulation, association, dental caries, Streptococcus mutans, prophylaxis, man 3231.
  - immunostimulation, bacteremia, Klebsiella pneumoniae, mice, animal models 10520.
  - immunostimulation, immune response, Listeria monocytogenes, mice 10198.
- **Muramyl peptides,**
  - radioactive labelling, role, disease resistance, Klebsiella infection, mice 12055.
- **Muramyl-pentapeptide carboxypeptidase,**
  - Streptomyces, binding monobactams 11150.
- **Murein,**
  - characterization, Escherichia coli 11226.
  - effects on, Myxococcus xanthus sporulation defective mutant 12317.
- **Murine typhus,**
  - epidemiology, Indonesia 13338.
- **Mus musculus,**
  - incidence, Leptospira, British Isles 9336.
  - role, epidemiology, Leptospira interrogans ser.pomona infection, pigs 12076.
- **Musa sapientum,**
  - wilt, Pseudomonas solanacearum, host range, biochemical characteristics, phage typing 10740.
- **Musa textitis,**
  - wilt, Pseudomonas solanacearum, host range, biochemical characteristics, phage typing 10740.
- **Musca autumnalis,**
  - cattle, association keratoconjunctivitis Moraxella bovis 6366.
  - pathogens, survival, digestive tract, Moraxella bovis 10696.
- **Musca domestica,**
  - feeding, Bacillus thuringiensis exotoxins effects on 7896.
- **Muscle,**
  - attachment, cattle, Pseudomonas fragi 9604.
- **Muscles,**
  - abscesses, Staphylococcus aureus, man, case reports 3506.
  - Escherichia coli experimental infection, mice, pigs mucin effects on 7217.
  - fish, extracts, Escherichia coli growth, trimethylamine N-oxide reduction 4757.
  - histochemistry, tetanus, toxins, wound infection, effects on, man, case reports 1822.
  - lipoprotein lipase, inhibition Escherichia coli endotoxins, rats 13031.
  - myositis, diagnosis, man, case reports, Neisseria gonorrhoeae 1019.
  - nerves growth, mice, Clostridium botulinum toxins effects on 479.
  - tissues, chickens, Salmonella, adherence, sodium chloride, effects on 2598.
  - tuberculosis abscesses, intestine penetration, man, case reports 2274.
  - tuberculosis, man, case reports 4478.
- **Muscular dystrophy,**
  - association, chronic granulomatous disease, Staphylococcus, recurrent infection, children, case reports 10469.
- **Mushroom worker's lung,**
  - etiology, immunoprecipitation, relationship, airborne microorganisms, dust, composts 1973.
- **Mushrooms,**
  - Clostridium botulinum, toxins, heat inactivation 5160.
  - culture, bacteria, fungi, composts, dust, enumeration 2468.
- **Mustela putorius,**
  - laboratory animals, colitis, Campylobacter fetus subsp. jejuni 9368.
- **Mustine,**
  - immunosuppression, endocarditis, Streptococcus intermedius, experimental infection, immune response (cell-mediated), rabbits 6077.
- **Mutagenesis,**
  - Actinomycetes, selection, bleomycetin biosynthesis 12868.
  - Agrobacterium tumefaciens, phage ψ 6731.
  - anaerobic bacteria, 5-nitroimidazoles, antibacterial activity, reviews 10035.
  - Bacillus subtilis, U.V. radiation, effects on macromolecular biosynthesis 6845.
  - Bacillus subtilis spores, association sunlight 6712.
  - bacteria, carcinogens toxicity testing, reviews 5827.
  - bacteria, role tumorigenesis mammalian cells, toxicity testing 5569.
  - bleomycin, Actinomadura carminata, Streptomyces cremeus 7651.
  - caffeine, Streptomyces clavuligerus, mutants, U.V. radiation, sensitivity 9820.
  - Caulobacter crescentus, transposon Tn5, transposon Tn7, insertion 6767.
  - cis-platinum diamminodichloride, crowding depression, Escherichia coli 2865.
  - Clostridium thermocellum, U.V. radiation, α radiation, N-nitroso-N-methyl-N'-nitroguanidine, genetic engineering 8661.
  - 4-dimethylaminoazobenzene, analogs, Salmonella typhimurium 7653.
  - DNA, methodology, tetracycline antibiotic resistance genes, plasmid pKB280 5025.
  - DNA secondary structure role level, U.V. radiation, Escherichia coli 11044.
  - Escherichia coli, U.V. radiation, DNA repair 2691.
  - helium pressure effects on, Salmonella typhimurium 2635.
  - Insecta, endotoxins, Bacillus thuringiensis 8884.
  - ionizing radiation, R factors potentiation, Salmonella typhimurium 4118.
  - microorganisms, U.V. radiation, reviews 4979.
  - Mycobacterium, transduction, lysogeny, reviews 5830.
  - nitroreductase role, Salmonella typhimurium 8658.
  - N-nitrosodimethylamine, assays, in vivo, cell-free system, mice, ethanol, acetone, effects on 1603.

Mutagenesis, (continued)
nitrosoguanidine, induction, Shigella sonnei DNA polymerase I deficient mutant 2863
Pseudomonas solanacearum, transposons, role, P-1 plasmid 5023.
Salmonella typhimurium, assays, suspension culture 1582
Staphylococcus aureus deficient mutant, thermonuclease 4942.
Streptomyces indicus, nitrosoguanidine derivatives 7661
transposon Tn5, symbiosis, auxotrophy, mutants, characterization, genetic analysis, Rhizobium meliloti 6762
U.V radiation, Proteus, resistance 4099
Vibrio, transposon Tn7 insertion 1631
Mutagenicity,
aromatic amines, derivatives, toxicity testing, Salmonella typhimurium 4094
N-nitroso-N-methyurea, Mycobacterium phlei 12747
Mutagenicity testing,
assays Escherichia coli SOS repair 12766
drinking water, Salmonella typhimurium 7379
Escherichia coli, Salmonella typhimurium, antibacterial activity, nitrofurans 8695
ethylmethanesulfonate, Escherichia coli 11282.
nitropyrenes, mutagens, role, nitroreductase, Salmonella typhimurium 1585.
Mutagens,
amoscanate transformation, role, Streptococcus equinus, intestine, gnotobiotics, mice 12080
azides, Salmonella typhimurium, biosynthesis, characterization, role, O-acetylserine sulfhydrylase 2816.
DNA damage, damage, suspension culture assays, use, Escherichia coli 2529.
nitropyrenes, mutagenicity testing, role, nitroreductase, Salmonella typhimurium 1585
Rhizobium trifolii, U.V. radiation, N-nitroso-N-methyl-N'-nitroguanidine, transposons 1598
Mutant,
Pediococcus cerevisiae, thymidine, reversion, isolation, characterization 8709.
Mutants,
aggregation factors, characterization, Flavobacterium 4098
Agrobacterium radiobacter, use, biological control, Lycopersicon esculentum crown gall 12100
Alcaligenes eutrophus, hydrogen uptake, plasmids 9889
alleles, phosphates, transport, bacteria, genetic analysis 1355
antibiotic resistance, Escherichia coli, carbenicillin, porins levels 246.
auxotrophy, Pseudomonas glycinea, virulence 1592
auxotrophy, symbiosis, characterization, genetic analysis, transposon Tn5 mutagenesis, Rhizobium meliloti 6762.
Azotobacter vinelandii, AMP nucleosidase, purification, characterization 2807
Bacillus akalophilus, phenotypes, cytochromes 9819
Bacillus alcalophilus, electron transport, comparison cytochromes 5685
Bacillus licheniformis, lysine biosynthesis 2730
Bacillus subtilis, fatty acid composition, phospholipid composition, sporulation, methanol, ethanol 1574
Bacillus subtilis, gene products, role, septation, cell cycle 6533.
Bacillus subtilis, glutamine, nutrient requirements, glutamine synthetase, genetic analysis, gene mapping 2856
Bacillus subtilis, nutrient availability, effects on, transcription, genes, sporulation 1613.
Bacillus subtilis, proteinase biosynthesis 7600.
Bacillus subtilis, relaxation, characterization 8685
Bacillus subtilis, revertants, sporogony, delay, genetic analysis 1608
Bacillus subtilis ribosomal proteins, streptomycin, antibiotic resistance 12925
Bacillus subtilis, spoIIA gene, gene mapping, suppressor factor 2853
Bacillus subtilis, spore germination, gene mapping 2852
Bacillus subtilis, spore germination, nutrient sources, effects on 2862
Bacillus subtilis, sporulation, association, production, deoxyribonuclease inhibitors 12306
Bacillus subtilis, sporulation, complementation, genetic analysis 1594.
Bacillus subtilis sporulation genes, gene mapping 1618
Bacillus subtilis, sporulation, transcription, RNA biosynthesis, genes, regulation 2874
Bacillus thuringiensis, sporulation, isolation, characterization 10935.
bacteria, antibiotic resistance, pathogenicity 6822
bacteria, drug resistance, pathogenicity, plasmids, genetic factors 6716
bacteria, enzymes, colonial characteristics, autoradiography, methodology 1284
bacteria L form, pathogenicity, man 7094
bacteria, macrolide antibiotics biosynthesis, screening methodology 5042
cellulose, Acetobacter xylinum, characterization 12789.
chlA gene, chlB gene, Escherichia coli, formate dehydrogenase precursors 4929
coenzyme Q_{10} production, glucose effects on, Pseudomonas 2881
ColE1, replication, maintenance 278.
complementation, genetic analysis, Clostridium perfringens 12748
complementation, genetic analysis, Clostridium perfringens 12755.
Corynebacterium melassecola, lysine production, freeze-drying effects on 5572
Cytophaga johnsonae, auxotrophy, growth, nutrient requirements 1270.
defective, prephenate dehydratase, pheA gene 4038.
drug resistance, bacteria, tuberactinomycin derivatives effects on protein biosynthesis 9976.
elongation factor Tu, kirromycin inhibition protein biosynthesis, Escherichia coli 3898.
envelopes, phospholipid degradation, phospholipase C, Escherichia coli 6630.
Escherichia coil, selenalysine metabolism, association, growth, protein biosynthesis 8463.
Escherichia coli, ana gene, pyruvic acid fermentation, gene mapping 1593.
Escherichia coli, antibiotic resistance, negamycin 11430.
Escherichia coli, arabinose transport, isolation, characterization 265.
Escherichia coli aspartate carbamoyltransferase, characterization 4863.
Escherichia coli aspartate carbamoyltransferase, isolation, characterization 1586.
Escherichia coli, autolysis, characterization 5829.
Escherichia coli, biosynthesis, cis-vaccenic acid, fatty acids, association, temperature 12723.
Escherichia coli, cytoplasmic membranes, septation, role, oxygen, radiation, effects on 2590.
Escherichia coli, detergents sensitivity, use, DNA recombinants 3080.
Escherichia coli, DNA polymerase I genes, role transposition 11271.
Escherichia coli, DNA repair, U.V. radiation 2694.
Escherichia coli, DNA repair deficiency, freeze-thawing, effects on 1433.
Escherichia coli, fadR gene, acetic acid transport, utilization, glyoxylate,
Escherichia coli, gua operon, AMP induction, GMP repression, AMP, gua operon,

Mutants, (continued)
induction, Escherichia coli, mutants 1590.
Escherichia coli, guanosine nucleotides, amino acids regulation, correlation RNA biosynthesis 3911
Escherichia coli, isocitrate dehydrogenase (NADP$^+$), purification, activity 5761.
Escherichia coli, isolation, colicins biosynthesis, Co1E1 plasmid, Co1E1 gene, characterization 5838.
Escherichia coli, lacZ gene, β-D-galactosidase biosynthesis 6707.
Escherichia coli, mannose isomerase, amino acid composition, characterization 1497.
Escherichia coli, membranes proteins, characterization 2737
Escherichia coli, methylglyoxal drug resistance, biosynthesis, release, glutathione 1791.
Escherichia coli, nucleoids, DNA breaks, apurinic sites, methylmethanesulphonate, effects on 1435.
Escherichia coli, overproduction, D-serine dehydratase, β-D-galactosidase, chemostats 1632
Escherichia coli, pH sensitivity 11283.
Escherichia coli, phage fd pili complex, membrane potential, ATP, effects on 1638.
Escherichia coli, phenylalanine biosynthesis, continuous culture 9706.
Escherichia coli, R factor Rms201, maintenance, antibiotic resistance ampicillin 1691
Escherichia coli, recAgene, transcription 255.
Escherichia coli, respiratory function, streptomycin uptake, ubi F gene, role, characterization 5844.
Escherichia coli, RNA polymerase, restriction, phage T7 growth 5853
Escherichia coli, rpmE gene, ribosomal protein L31, gene mapping 1600
Escherichia coli, serine effects on drugs activity 10022.
Escherichia coli, streptomycin resistance, role, gene lrs, R factor R1 8807.
Escherichia coli, sulA gene, sulB gene, lon gene, radiosensitivity, U.V. radiation 1619
R factor R100.1 plasmids, characterization 9874.
flagella morphogenesis, role flagellin 4738.
forms, elongation factor Tu, amino acids substitution characterization, Escherichia coli 5728
β-D-galactosidase, substrate specificity, relationship evolutionary genetics, Escherichia coli 4850
genomes replication, Escherichia coli 6698
Halobacterium salinarium, gas vacuoles, morphology, proteins, characterization 2626
Klebsiella aerogenes, genes duplication nucleotide sequence, association, ribitol dehydrogenase 12771.
Klebsiella pneumoniae, mecillinam effects on cell walls elongation, relationship, DNA replication 4172.
Klebsiella pneumoniae, polysaccharides, biosynthesis, adjuvanticity, characterization 6052.
Lactobacillus, auxotrophs, amino acids biosynthesis, nutrient requirements, genetic analysis 1477.
Lactobacillus bulgaricus, Lactobacillus casei, milk fermentation 7642
lactose promoter, Escherichia coli 4105.
lon gene, proteinase activity, Escherichia coli 5755.
lysine production, Corynebacterium glutamicum, aspartokinase, enzymatic activity, characterization 1483.
Micromonospora rosaria, biosynthesis pathways, rosaramicin derivatives 7731.
Micromonospora sagamiensis, biosynthesis, gentamicin, sagamicin 7746.
Micromonospora sagamiensis, biosynthesis, 2-hydroxysagamicin, antibacterial activity 7732
Neisseria gonorrhoeae, lipopolysaccharides, isolation, antigenic characteristics 6669
Nocardia butanica, L-serine biosynthesis, role magnesium phosphates 7531.
Nocardia lactamdurans, Streptomyces griseus, recombination, cephamycins biosynthesis, screening 8769
Nocardia, papaverine biodegradation pathway 12377.
nusA1 gene, nusB5 gene, Escherichia coli, transcription termination 5009
pathogens, enzymes, cell surface, virulence, Pseudomonas aeruginosa, Galleria mellonella 6390
phage β^{tox}, antigens, Corynebacterium diphtheriae toxins, detection, plaque assay, enzyme-linked immunosorbent assay 5006
phage λ, rev gene, gene expression, lysogeny, Escherichia coli 5001.
phage T1, tar gene, association, hosts chromosomes degradation defects 4124
phage T4, growth, inhibition, plasmid pR386, Escherichia coli 5013
phage T4, receptors, lipopolysaccharides, association, galactose residues, Escherichia coli 9845
phage T7, isolation, DNA-binding protein association, Escherichia coli 7682
phage T7, ribonuclease III, association, mRNA translation, gene expression, regulation, Escherichia coli 5011
phage ΦX174 host range, isolation, characterization, Escherichia coli 1655.
phage Φ6R, adsorption, lysis, Pseudomonas phaseolicola 7670.
phages, deletion mutant, induction, enterotoxins, Vibrio cholerae 7655
plasmid pFM205, genes deletion, antigen K88 biosynthesis 8743
pmrA gene, Salmonella, antibiotic resistance, polymyxin, ionic strength effects on 399.
polA gene, recB gene, Escherichia coli, anaerobic conditions effects on colonies formation 12336.
prephenate dehydrogenase, purification, characterization, plasmids transformation, Escherichia coli 11138
promoters, Escherichia coli galactose operon, characterization 4981
promoters, isolation, Escherichia coli galactose operon 5842.
Pseudomonas aeruginosa, antibiotic sensitivity testing, antibiotic synergism, carbenicillin, kanamycin 4170.
Pseudomonas aeruginosa, glutamine auxotrophs, glutamine synthetase activity 12794.
Pseudomonas aeruginosa, pbpA gene, penicillin G antibiotic resistance 6823.
Pseudomonas aeruginosa, recombination, isolation, butyramide metabolism 9837.
Pseudomonas aeruginosa, Z61 gene, membrane permeability, association, antibiotic resistance 6513
Pseudomonas, cephalosporanic acid amidase, isolation, activity 5746.
Pseudomonas, coenzyme Q_{10}, isoprenoids, concentration, metabolism 2841
Pseudomonas fluorescens, Pseudomonas putida, Pseudomonas mendocina, alginates biosynthesis 1566.
Pseudomonas, isolation, penicillin amidase biosynthesis 2782.
Pseudomonas, penicillin amidase, purification, characterization 2784.
Pseudomonas putida, selection, dehalogenase, 2-monochlorobutanoic acid, 2-monochloropropionic acid, induction, continuous culture 1614.

Mutants, (continued)
Pseudomonas putida, transport, β-ketoadipate, chemotaxis, regulation 1353.
Pseudomonas testosteroni, benzoate induction 3-hydroxybenzoate 2- monooxygenase 5769.
purification dnaB gene gene products, characterization, Escherichia coli 4964.
Rhizobium, characterization, nodulation, nitrogen fixation 2433.
Rhizobium lupini, R factor RP4, insertion sequence 1 9875.
Rhizobium meliloti, carbohydrates, characterization 8708.
Rhizobium meliloti, nif gene, genetic analysis 9835.
Rhizobium meliloti, nodulation, nitrogen fixation, transposons 9833
Rhizobium, nitrogenase enzymatic activity, vigna radiata var.aureus effects on 3726.
Rhizobium trifolii, U.V. radiation sensitivity, isolation, antibiotic resistance, gene mapping 1595.
Rhizobium trifolii, interaction, nodulation, Trifolium repens 5509.
Rhodopseudomonas capsulata, tricarboxylic acid cycle 4786.
Rhodospirillum rubrum, photosynthesis, electron transport, E.S.R. 4773.
RNA polymerase regulation gene expression, pyr gene, Salmonella typhimurium 5816.
Salmonella, antibiotic resistance, association, cell division rates 10963.
Salmonella, flagella, isolation 2503.
Salmonella typhi, typhoid fever, isolation, anaerobic conditions, man 11779.
Salmonella typhimurium, activity, phosphorylation, transport, glucose 1356
Salmonella typhimurium, biosynthesis, pyrimidines, orginine, kinetics, regulation 1539.
Salmonella typhimurium cysB gene, isolation, characterization 12790.
Salmonella typhimurium cysM gene, sulfite reductase induction, anaerobic conditions 12651.
Salmonella typhimurium, deletion drug resistance genes, R factors 9876.
Salmonella typhimurium, glutamine synthetase characterization 4881.
Salmonella typhimurium, lipids, outer membranes, resistance, EDTA, cations 2624.
Salmonella typhimurium, R factors, osmotic shock extracts, association disease resistance, mice, infection 12398.
Salmonella typhimurium, radiation resistance, gene mapping 12792.
Salmonella typhimurium, RP4::Mucts62 plasmid, transfer 1673.
Salmonella typhimurium, strains, virulence, mice 13010.
selection, induction, continuous culture 1614.
Shigella flexneri, culture, identification, morphology, virulence 11285.
ssa locus, sporulation, genetic analysis, Bacillus subtilis 8699.
ssd gene, phenotypes, Escherichia coli 7656.
Staphylococcus aureus, phage Φ 11, U.V. radiation, DNA repair, factors affecting 1431.
Staphylococcus, protein A production, purification 6607.
Streptococcus group A, penicillin antibiotic resistance, antibiotic tolerance, penicillin-binding protein 7824.
Streptococcus lactis subsp.diacetylactis, Lactobacillus casei, Lactobacillus bulgaricus, carbonyl compounds, levels 1627.
Streptococcus lactis subsp.diacetylactis, Lactobacillus bulgaricus, Lactobacillus casei, fatty acids biosynthesis, milk 4953.
Streptococcus mutans, infection, rats, wild type effects on colonization 7667.
Streptococcus mutans, isolation, morphology, chains 11289.
Streptococcus pneumoniae, tet gene, characterization 4096.
Streptomyces caespitosus, mitomycin C nonproducer cells, characterization 8725.
Streptomyces clavuligerus, U.V. radiation, sensitivity, mutagenesis, caffeine 9820.
Streptomyces coeruleorubidus, conversion, anthracyclinones 299.
Streptomyces fradiae, fermentation, 5-O-mycarosyltylactone, tylosin, characterization 7639.
Streptomyces fradiae, S-adenosyl-L-methionine:macrocin O-methyltransferase, tylosin biosynthesis, characterization, assays 2755.
Streptomyces fradiae, tylosin biosynthesis, characterization 2978.
Streptomyces griseus, regulation, sporulation, biosynthesis, streptomycin 1697.
Streptomyces griseus, streptomycin production blocking, role, factor A 7753.
Streptomyces peucetius subsp.caesius, daunomycin, carminomycin I, fendomycin A, conversion, adriamycin 2969.
Streptomyces rimosus, oxytetracycline biosynthesis, gene mapping 2962.
Thiobacillus ferrooxidans, physiology, copper ions, tolerance 6853.
transposition, gene mapping, rRNA genes, Escherichia coli 6700.
Vibrio cholerae, lipopolysaccharides, chemical composition, antigenic characteristics 10075.
Vibrio cholerae, phaeomelanin biosynthesis 11032.
virulence, Pseudomonas aeruginosa, Galleria mellonella 8133.
Xanthomonas campestris, extracellular polymers, biosynthesis 2825.
Xanthomonas oryzae, virulence, Oryza sativa, characterization 6404.

Mutation,
antibiotic resistance, rifampicin, Haemophilus influenzae 9986.
bacteria, genetic analysis, evolution 9836.
bacteria, N-nitrosodimethylamine, aminopyrine+nitrite, ascorbic acid effects on, mice 1628.
bacteria, pathogenicity 11287.
biotin operon, nucleotide sequence, Escherichia coli 4114.
coat protein, Bacillus subtilis spores, effects on, lysozyme resistance, spore germination 12797.
cpxA gene, cpxB gene, Escherichia coli, effects on membranes protein composition 12788.
DNA replication specificity, DNA repair, kinetics, Escherichia coli 11049.
DNA, Ti plasmid, Agrobacterium tumefaciens 5880.
Escherichia coli, continuous culture, factors affecting 8694.
Escherichia coli, effects on proteins secretion mechanisms 8533.
Escherichia coli, genomes effects on R factor R6K expression 9878.
Escherichia coli, R factor R1drd-19, chloramphenicol antibiotic resistance 9881.
Escherichia coli, rRNA operons, erythromycin antibiotic resistance 12741.
frequency, detection, antibiotic resistance, neomycin, kanamycin, Bacillus thuringiensis, Bacillus popilliae 4113.
genes, effects on, catalysis, enzymes assembly, regulation response, asparate carbomoyltransferase, Escherichia coli 12812.
hisU gene, guanosine tetraphosphate, levels, Salmonella typhimurium 8682.
induction, association, phenotypes, expression, nuclear division, Escherichia coli 6703.
lacI gene, gene mapping correlation nucleotide sequence DNA, Escherichia coli 11267.
lactose operon, effects on gene regulation, plasmid pBR325 6771.
phage P22, c1 gene, effects on lysogeny, Salmonella 4115.
prokaryotes, relationship, DNA base composition ratio 12508.
Salmonella typhimurium, γ radiation, antioxidants effects on 11468.

Mutator,
Salmonella typhimurium, induction, transposon Tn5, transposon Tn10, insertion 245.

Mutton,
isolation methodology, Campylobacter fetus subsp.jejuni 5553.

Mutualism,
gut microflora, aerobes, bacteria, Orthoporus ornatus, Comanchelus 10733.

Mya arenaria,
bacterioplankton filtration efficiency, measurement 6446.

Mycaminosyl tylonolide,
derivatives, synthesis, antibacterial activity, structure-activity relationships, gram-negative bacteria 7814.

Mycaminosyltylonolide,
derivatives, synthesis, antibacterial activity 6814.

5-O-Mycarosyltylactone,
characterization, Streptomyces fradiae mutants fermentation 7639.

5-0-Mycarosyltylactone,
Streptomyces fradiae, structure, X-ray crystallography 11355.

Mycelia,
Actinomycetes, differentiation, sporulation, regulation 10974.
aerial, formation, Streptomyces viridochromogenes, sporulation, casein, phosphate regulation 6526.
haloquinone, isolation, biosynthesis, Streptomyces venezuelae, antibacterial activity, association, DNA biosynthesis 9918.
isolation, glucose isomerase, methodology, Streptomyces albogriseolus 12620.
Streptomyces, chitin, chelating agents, metals 7623.
Streptomyces, color, identification 7396.

Mycetoma,
mice, Nocardia caviae, role, L-form 1090.

Mycetome,
symbionts, antibiotics effects on, diets, Rhizopertha dominica 10731.
symbionts, factors affecting abundance, Glossina 7291.

Mycinamicin,
antibacterial activity, Legionella pneumophila 7798.
precursors, isolation, structure, biosynthesis, Micromonospora griseorubida sp.nov. 4154.

Mycinamicins,
N.M.R. 7747.

Mycobacteria,
identification, smears, Ziehl-Neelsen stain 4714.
taxonomy 8304.

Mycobacteriosis,
association, monocytes defects, man, case reports 6091.
lung, clinical aspects, man, India 6172.
lung, man, British Isles 6164.
lung, man, Japan 6163.
lung, man, Thailand 6171.
Mycobacterium, antibiotic sensitivity testing, identification, mycobacteriosis, treatment, immune response, conferences 6449.
Mycobacterium avium-intracellulare, lung, man, case surveys, USA, Wisconsin 616
Mycobacterium, bone marrow, culture, diagnosis, lung, man 6973.
Mycobacterium fortuitum, Mycobacterium chelonei, treatment, amikacin+doxycyclin man 6258.
Mycobacterium intracellulare, association, histocompatibility antigen HLA B12 determinant, A2 determinant, man 6064.
Mycobacterium intracellulare, lung, surgery, man 6169.
Mycobacterium intracellulare, lung, treatment, antimycobacterial agents, man 6168
mycobacterium intracellulare, man, lung, characterization, case reports 6183.
Mycobacterium intracellulare, Mycobacterium avium-intracellulare, epidemiology, man, South Africa Rep. 6256.
Mycobacterium kansasii, lung, rifamycin treatment, man 6166.
Mycobacterium kansasii, lung, treatment, rifamycin+antibiotics, man 6165.
Mycobacterium xenopi, man 774.
skin, epidemiology, swimming pools, chlorination effects on, man, France 3276.

Mycobacterium,
z-acetylpyridine thiosemicarbazones derivatives, antibacterial activity, kinetics, in vitro, assays 1775.
animal isolates, horses, isoniazid antibacterial activity 8845.
antibacterial activity, sulfamethozole, trimethoprim, cotrimoxazole 7852.
antibiotic sensitivity testing, identification, mycobacteriosis, treatment, immune response, conferences 6449.
antibiotic sensitivity testing rifampicin, drug sensitivity testing ethambutol 5947.
antibodies, radioimmunoassay, tuberculin skin tests, BCG vaccination, BCG immunotherapy, cross-reaction antigens, effects on, man 8909.
antigenic relationship, immunoelectrophoresis 6041.
antigens, characterization, detection, use. monoclonal antibodies, association, tuberculosis 11545.
antigens, immunosuppression, leukocytes (mononuclear) proliferation, association, fungi antigens, man 7949.
antigens, pathogenicity, immunity, mice, comparison, man 10211.
antigens, suppressor cells, immune response, rosette formation, tuberculosis, leprosy, man 4315.
antimicrobial activity, synergisidin 1797.
association, mycosis fungoides, histopathology, man, case reports 10295.
chromomycin A3, use, identification, susceptibility 5935.
clinical isolates, antibiotic sensitivity testing 8756.
clinical isolates, identification, clinical microbiology 12232.
clinical isolates, leprosy, cell wall, chemical composition, man 8387.
contaminants, isolation, media (selective) 4668.
contamination, milk, association, tuberculin skin tests, cattle 4561.
continuous culture, glucose isomerase biosynthesis 197.
drug resistance, role plasma membranes 5987.
enzymes activity, fluorescence tests, role 4-methylumbelliferone 8272.
ethylene glycol metabolism 1391.
fatty acids metabolism, measuring techniques, radiometry 12715.
Flavobacterium, tuberculosis, mixed infection, pathology, fish 2349.
-a-glutamyltransferase, isolation, enzymatic activity 1482.
growth, nutrient requirements, in vitro, in vivo, reviews 7454.
growth, photometry, role drug sensitivity testing 8855.
identification, clinical isolates, man, Sweden 6262.
identification, lipids, thin-layer chromatography 5581.
identification, mass spectroscopy, pyrolysis products 5583.
identification methodology 12236.
identification, photochromogenicity 1308.
identification, sensitins hypersensitivity (delayed), guinea-pigs, reviews 5584.

Mycobacterium, (continued)
- identification, taxonomy, statistical analysis 5587.
- identification, tests, reviews 5588
- immune response (cell-mediated), rabbits 1889
- incidence, gastrointestinal tract, Phoenicopterus ruber roseus, France 4569
- incidence, lakes, USSR 12172
- infection, diagnosis, bone marrow culture, man 5445
- infection, histopathology, clinical aspects, man 13086
- infection, man, endocarditis, clinical aspects 11886
- isolation, characterization, antigenic relationship, Mycobacterium paratuberculosis, cattle 45
- isolation, feces, wildlife, characterization 10710.
- isolation, identification, cultural characteristics, clinical aspects, microscopy, methodology 10883.
- isolation, lymph nodes, environments, pigs 8091
- lipids biodegradation 12364.
- liquid culture, growth patterns, comparison, carbon sources 8262.
- lung tuberculosis, respiratory tract diseases, man, India 784.
- lymphadenopathy, diagnosis, treatment, man, reviews 9307.
- lymphokines, induction, macrophages, bacteriostasis 10176
- media (culture), characterization, association leprosy 7368.
- media (isolation) 10854
- media (isolation), methodology 7360.
- milk isolates, mastitis, cattle 2387.
- mixed culture, Cyanophyta, hydrocarbons biodegradation 11007.
- morphology, pathogenicity effects on 12337
- mycobacteriosis, association, monocytes defects, man, case reports 6091.
- mycobacteriosis, bone marrow, culture, diagnosis, lung, man 6973.
- mycobacteriosis, lung, clinical aspects, man, India 6172.
- mycobacteriosis, skin, epidemiology, swimming pools, chlorination effects on, man, France 3276
- Mycobacterium leprae, antigenic relationship, immunodiffusion, role, diagnosis, leprosy 3177
- Nocardia, Rhodococcus, identification, 5-fluorouracil susceptibility 1786.
- paratuberculosis, diagnosis, sheep 3644.
- paratuberculosis, pathogenicity, immune response (cell-mediated), juveniles, cattle 6062
- respiratory tract diseases, association, immunocompromised hosts, man 10174
- serotyping, agglutination 5582.
- staining, methodology, detection, viability 12223.
- surface activity, surfactants biosynthesis, relationship, carbon sources, in vitro 241
- susceptibility, antimicrobial agents, dilution tests 10053
- taxonomy, statistical analysis 5586.
- transduction, lysogeny, mutagenesis, reviews 5830
- tuberculosis, dialysis, immunocompromised hosts, case surveys, man 7186.
- tuberculosis, lung, diagnosis, incidence, man, frog 1971
- variants, biodegradation, sitosterol, cleavage, side chains 10997

Mycobacterium africanum,
- tuberculosis, characterization, reviews 7003

Mycobacterium asiaticum,
- +Mycobacterium tuberculosis, mixed infection, immunosuppression, guinea-pigs 6065
- serotyping, cultural characteristics, antigenic characteristics 6037

Mycobacterium aurum,
- spheroplasts, membranes, vesicles, ultrastructure 1340

Mycobacterium avium,
- antibiotic sensitivity testing, drug sensitivity testing 5947
- antibiotic sensitivity testing, rifamycin+aminoglycoside antibiotics+ethionamide, ethambutol 5906
- cell cycle, nutrient sources effects on 5650
- drug resistance, association, cell walls structure 4221
- experimental infection, treatment, rifampicin, carbon tetrachloride, rabbits 3615.
- growth, cell division, macromolecules biosynthesis 5659
- infection, dogs, case reports 5481.
- infection, man, characterization 11928.
- infection, pathology, animal models 6255
- infection, pathology, domestic animals 6337.
- isolation, fresh water, estuaries, aerosols 6440
- mycobacteriosis, lung, man, Thailand 6171
- mycobactin, reviews 12737.
- phage typing, methodology 3807
- serotypes, antigens structure 6036
- serotypes, pathogenicity, experimental infection, tuberculosis, cattle 7238
- serotyping, agglutination 5582.

Mycobacterium avium-intracellulare,
- antibacterial activity, ethambutol 7804
- infection, lung, clinical aspects, children, case reports 11730
- infection, treatment, clinical aspects, man, case reports 4488
- lung infection, treatment, man 1991.
- lymphadenitis, pathology, immunity (cell-mediated), man, case reports 7122.
- mycobacteriosis, epidemiology, man, South Africa Rep. 6256.
- mycobacteriosis, lung, man, case surveys, USA, Wisconsin 6167
- mycobacteriosis, lung, man, Japan 6163.
- mycobacteriosis, lung, man, Thailand 6171.
- serotypes, mycobacteriosis, isolation, man, pigs, soil, South Africa Rep. 6144.
- serotypes, plasmids 5879

Mycobacterium avium-intracellulare-scrofulaceum,
- antigens, carbohydrate composition 6888.
- mycobacteriosis, man, British Isles 6164.

Mycobacterium aviun-intracellulare,
- lung infection, clinical aspects, treatment, infants, man, case reports 1993.

Mycobacterium bovis,
- antigenic characteristics, immunoelectrophoresis 3171.
- attenuation, strains, antigenicity, guinea-pigs 13047.
- bactericidal activity, antiseptics 10029.
- BCG, antigenic characteristics, crossed immunoelectrophoresis 1870.
- BCG infection, infants man, treatment, case reports 6289
- cell surface, peptidoglycans, characterization 2828.
- colonial characteristics, scanning electron microscopy 10944.
- detection, enzyme-linked immunosorbent assay, cattle 501.
- disseminated infection, children, case reports 1013.
- effects on, immunomodulation, mice 11616.
- experimental infection, effects on, immunity (humoral), Plasmodium berghei, mice 4282.

Mycobacterium bovis, (continued)
- experimental infection, immunosuppression, suppressor cells, lymphocytes T, chemotherapy, mice 3214.
- Experimental infection, Trichosurus vulpecula, pathogenesis 5458.
- growth curves, oxygen tension, culture 9625.
- identification, mass spectroscopy, pyrolysis products 5583.
- infection, effects on interferon production, mice 6892.
- infection, hypersensitivity, hepatitis, mice 536.
- infection, immune response, role Bcg gene, mice 6903.
- isolation characterization, cattle fetuses 6347.
- lung tuberculosis, electron microscopy, mice 4558.
- mice spleen leukocytes, effects on superoxide dismutase activity 6079.
- Mycobacterium tuberculosis, identification, pyrolysis products 2555.
- osteomyelitis, children, case reports 11903.
- tuberculosis, association, eye granuloma, pathology, Ateles geoffroyi, Macaca mulatta 8104
- tuberculosis, characterization, reviews 7003.
- tuberculosis, clinical aspects, treatment, cattle, British Isles 7284.
- tuberculosis, epidemiology, Meles meles 7228.
- tuberculosis, zoological gardens animals, epidemiology, immunoassays 7913.

Mycobacterium brevicale,
- association, Anabaena variabilis, biodegradation, oil, growth, factors affecting 12363.

Mycobacterium butyricum,
- galactonate dehydratase, purification, characterization 4009.
- galactonate dehydratase, purification, characterization 5737.
- togatose kinase, purification, characterization 3986.

Mycobacterium chelonei,
- abscesses, dogs, case reports 6372.
- antibiotic sensitivity testing, drug sensitivity testing 5947.
- infection, histopathology, clinical aspects, man 13086.
- mitomycin C, identification, use, susceptibility 5967.
- mycobacteriosis, treatment, amikacin+doxycycline, man 6258.
- +Mycobacterium tuberculosis, mixed infection, immunosuppression, guinea-pigs 6065.
- nosocomial infection, pathogens, new records, man, characterization 10510.
- peritonitis man, clinical isolates, formaldehyde, effects on 7142.
- sulphonamides, antibacterial activity 5969.

Mycobacterium chelonei like bacteria,
- peritonitis, association, peritoneum dialysis, man 3482.

Mycobacterium chelonei subsp.abscessus,
- detection, radiometry 4657.

Mycobacterium citreum,
- antibiotic resistance, tetracycline, in vitro 381.

Mycobacterium flavescens,
- lung lesions, case reports, man 9104.
- milk isolates, mastitis, cattle 2387.

Mycobacterium flavum,
- nitrogen fixation, measuring techniques, use, acetylene reduction 10865.
- phosphatidylcholine composition 4081.

Mycobacterium fortuitum,
- antibiotic sensitivity testing, β-lactam antibiotics, aminoglycoside antibiotics 6787.
- antibiotic sensitivity testing, drug sensitivity testing 5947.
- arthritis, clinical aspects, case reports, man 10458.
- characterization 2578.
- differential diagnosis Nocardia asteroides, osteomyelitis, leg, man, case reports 971
- drug sensitivity testing, photometry 11446.
- infection, histopathology, clinical aspects, man 13086.
- infection, man, association, prosthetics 10464.
- injection, incidence, immunosuppression, man 582.
- liquid culture, growth patterns, comparison, carbon sources 8262.
- lung infection, association, immunodeficiency, man, case reports 799.
- milk isolates, mastitis, cattle 2387.
- mitomycin C, identification, use, susceptibility 5967.
- mycobacteriosis, lung, man, Japan 6163.
- mycobacteriosis, treatment, amikacin+doxycycline, man 6258.
- nosocomial infection, pathogens, new records, man, characterization 10510.
- sulphonamides, antibacterial activity 5969.

Mycobacterium fortuitum-chelonei,
- lung infection, man, case reports 2003

Mycobacterium gordonae,
- identification, false-positives, Mycobacterium tuberculosis 6469.
- identification, photochromogenicity 1308.
- identification, thin-layer chromatography 5591.
- isolation, Saimiri sciureus 5470.
- lipids, characterization, comparison, Mycobacterium leprae 4083.
- mycobacteriosis, lung, man, British Isles 6164.
- mycobacteriosis, lung, man, Thailand 6171.

Mycobacterium habana,
- synonymy, Mycobacterium simiae, taxonomy, serotyping, hydridization 9569.

Mycobacterium haemophilum,
- injection, incidence, immunosuppression, man 582.
- lymphadenitis, children, case reports 3544.

Mycobacterium humanus,
- infection, association lymphoma, children, case reports 10548.

Mycobacterium hyorhinis,
- contamination, neuroblastoma cells, cell lines, elimination, passage, mice 12220.

Mycobacterium intracellular,
- lung infection, symptoms, roentgenography, man 776.

Mycobacterium intracellulare,
- antibiotic sensitivity testing, drug sensitivity testing 5947.
- antibiotic sensitivity testing, rifamycin+aminoglycoside antibiotics+ethionamide, ethambutol 5906
- cervix abscesses, man, case reports 11792.
- clofazimine, antibacterial activity 4212.
- experimental infection, pathogenesis, mice 6162.
- identification, pigments, catalase 5595.
- identification, thin-layer chromatography 5591.
- infection, association, hairy cell leukemia, man, case reports 2194.
- infection, diagnosis, clinical aspects, Macropus 12068.
- infection, immunosuppression, monocytes cytotoxicity, children, case reports 594.
- infection, man, treatment, dialyzers leukocytes extracts, hypersensitivity (delayed) 6972.
- isolation, fresh water, estuaries, aerosols 6440.

Mycobacterium intracellulare, (continued)
mycobacteriosis, association, histocompatibility antigen HLA B12 determinant, A2 determinant, man 6064.
mycobacteriosis, epidemiology, man, South Africa Rep. 6256.
mycobacteriosis, lung, surgery, man 6169.
mycobacteriosis, lung, treatment, antimycobacterial agents, man 6168.
mycobacteriosis, man, lung, characterization, case reports 6183.
osteomyelitis, pathology, treatment, diagnosis, man, case reports 2267.
phage typing, methodology 3807.
serotypes, antigens structure 6036.
serotyping, agglutination 5582.
skin infection, pathology, man 10290.
Mycobacterium kansasii,
antibiotic sensitivity testing, drug sensitivity testing 5947.
antibiotic sensitivity testing, rifamycin+aminoglycoside antibiotics+ethionamide, ethambutol 5906.
contamination, water supplies, occupational exposure, man 5545.
disseminated infection, association, chronic lymphatic leukemia, man, case reports 690.
disseminated infection, severe combined immunodeficiency, clinical aspects, man, case reports 5359.
empyema, case reports, man 5309.
granuloma, ultrastructure, immune response, lymph nodes, animal models 548.
identification, photochromogenicity 1308.
immune response (cell-mediated), lymphocyte transformation, association, Crohn's disease, man 3234.
infection, antitubercular agents treatment, animal models 13339.
infection, association, hairy cell leukemia, man, case reports 2194.
infection, immune response, suppressor cells, helper cells, mice 4298.
injection, incidence, immunosuppression, man 582.
lung infection, symptoms, roentgenography, man 776.
mycobacteriosis, epidemiology, drinking water, man, Netherlands 6257.
mycobacteriosis, lung, man, British Isles 6164.
mycobacteriosis, lung, man, Japan 6163.
mycobacteriosis, lung, man, Thailand 6171.
mycobacteriosis, lung, rifamycin treatment, man 6166.
mycobacteriosis, lung, treatment, rifamycin+antibiotics, man 6165.
Mycobacterium fortuitum, histopathology, clinical aspects, man 13086.
Mycobacterium leprae,
antibacterial activity, clofazimine analogs, mice 1770.
antibacterial activity, prothionamide, prothionamide-S-oxide, experimental infection, mice 3097.
antigen 7, antigenic determinants, antibodies, characterization, leprosy, man 3240.
antigens, immunological tolerance, leprosy, role, macrophages, man 5222.
antigens, prostaglandins regulation lymphocytes proliferation 6073.
antigens, specificity, characterization 5195.
antileprotic agents, antibacterial activity, statistical analysis methodology, reviews 8849
association, thymidine, , incorporation DNA 2701.
ATP, assays 1581.
clofazimine antibiotic resistance, man, leprosy 12936.
cross-reactivity, Mycobacterium smegmatis, antigens, peroxidase 3172.
DNA, incorporation, thymidine incorporation, macrophages, factors affecting 1884.
erythema nodosum leprosum, eye pathology, man, case reports 6146.
erythema nodosum leprosum, kidney pathology, man 693.
Ethiopia, man, leprosy, dapsone drug self-administration 3277.
experimental infection, mice, brain, disease spread, effects on immunity (cell-mediated) 13413.
glucose, uptake, cultural characteristics 9511.
-a-glutamyltransferase, isolation, enzymatic activity 1482.
glycolipids, antigenic characteristics 13011.
glycolipids, oligosaccharides, isolation, characterization 219.
gnotobiotics (specific pathogen free), laboratory animals, armadillos 3648.
granuloma, ultrastructure. immune response, lymph nodes, animal models 548.
growth, nutrient requirements, in vitro, in vivo, reviews 7454.
immunosuppression, leprosy, man 581.
infection effects on macrophages lysosomal enzymes activity, mice 7928.
infection, immunity (cell-mediated), body temperature, effects on, mice 3202.
infection, man, association, lipids, lipoproteins 10297.
infection, man, leprosy, association kidney lesions 13089.
infection, man, leprosy, association syphilis 13092.
infection, man, leprosy, histopathology 13090.
infection, man, leprosy, relationship small intestine 13088.
infection, man, leprosy, skin microvasculature ultrastructure 13091.
infection, man, porphyrins metabolism 10298.
infection, man, serum levels, retinol, trace elements 10294.
infection, susceptibility, relationship, lymphocytes T, thymectomy, rats 3218.
infection, treatment, antileprotic drugs, effects on glycolysis, animal models 6074.
leprosy, age association, man, Ethiopia 9078.
leprosy, antigen-antibody complexes association characterization, man 10214.
leprosy, antigen-antibody complexes, association, serum, man 1842
leprosy, association, BCG vaccination, man, case reports 696.
leprosy, association, Klebsiella ozaenae septicemia, man, case reports 3526.
leprosy, association, nerves damage, immunopathology, man 6942.
leprosy, association, pregnancy, dapsone drug resistance development, immunosuppression, man 3280.
leprosy, association, pregnancy, pathology, man, Ethiopia 3279.
leprosy, association testis autoimmunity, man 11610.
leprosy, chemotherapy, man, reviews 4361.
leprosy, classification, clinical aspects, man 10293.
leprosy, clinical isolates, antigens, isolation, characterization, man 8947.
leprosy, clinical isolates, identification 5585.
leprosy, clofazimine, treatment, clinical trials, man 1940.
leprosy, contact dermatitis presentation, man, case reports 11672.
leprosy, dapsone, drug resistance, diagnosis, treatment, man 6945.
leprosy, diagnosis, nephelometry, man 694.
leprosy, diagnosis, nerves, man 4359.
leprosy, distribution, skin, man, body temperature, effects on 3275.
leprosy, effects on, reproductive organs, menstrual cycle, fertility, menopause, man 2087.
leprosy, effects on, respiratory systems, reflexes, man 1946.
leprosy, epidemiology, association, urban environments, man, India 11670.
leprosy, epidemiology, disease control, man, Indonesia 11669.
leprosy, heart function association, man 11666.
Mycobacterium leprae, (continued)
leprosy, immune response (cell-mediated), man 6891.
leprosy, immunity (cell-mediated), clinical manifestations, man 8997.
leprosy, immunity (humoral), immunity (cell-mediated), man 6080.
leprosy, immunoglobulins levels, breast milk, man 13084.
leprosy, immunopathology, epidemiology, man, international cooperation 11668.
leprosy, incidence, man, USA 3281.
leprosy, incidence, prophylaxis, man, Tanzania 13085.
leprosy, lipids, detection, skin, man 1932.
leprosy, lymph nodes, cytology, man 701.
leprosy, man, antigen-antibody complexes, complement C3d relationship erythema nodosum leprosum 10227.
leprosy, man, association hepatitis B surface antigen, immune response 8962.
leprosy, man, effects on, taste discrimination 3278.
leprosy, man, lymphocytes response, mitogens, serum immunosuppressive factors effects on 9073.
leprosy, mononuclear phagocytic system ultrastructure, association 8957.
leprosy, neuropathology association, man 11673.
leprosy, pathogenesis, characterization, immune response (cell-mediated), man 11609.
leprosy, persistent infection, chemotherapy, man, reviews 1941.
leprosy, platelets, 5-hydroxytryptamine uptake, man 692.
leprosy, prophylaxis, BCG vaccination, children, Uganda 3241.
leprosy, prophylaxis, People's Republic of China, man 13245.
leprosy, relationship, hormones levels, man 700.
leprosy, relationship, serum levels, antigen-antibody complexes, man 697.
leprosy, rifampicin treatment, man 13083.
leprosy, skin lesions, immunoperoxidase test, man 9018.
leprosy, treatment, chloroquine, man 5272.
leprosy, treatment, dapsone, antagonism, clofazimine, man 11675.
leprosy treatment, dapsone, effects on haptoglobin 6145.
leprosy, treatment, dapsone, side effects, man, case reports 1925.
leprosy, treatment, levamisole, man 6150.
leprosy, treatment, man, reviews 5273.
leprosy, xylose absorption, man, clinical aspects 6941.
lipids, characterization, comparison, Mycobacterium gordonae 4083.
lymphocytes transformation, leprosy, man 898.
man, incidence, leprosy, Ethiopia 6940.
man, leprosy, incidence, spermatozoa antibodies 9011.
Mycobacterium, antigenic relationship, immunodiffusion, role, diagnosis, leprosy 3177.
mycolic acids, isolation, characterization, thin-layer chromatography 2834.
neuritis, immune response ultrastructure, man 11603.
purification effects on ATP 8548.
superoxide dismutase, enzymatic activity 1495.
vaccination, leprosy, man 3245.
viability, assays, thymidine uptake 4759.
Mycobacterium lepraemurium,
experimental infection, DNA biosynthesis lymphocytes T, immunostimulation, mice 6908.
growth, cholesterol, lecithin, nucleotides, effects on 4761.
growth, liquid culture, association, aspartic acid, methodology 12206.
growth, nutrient requirements, in vitro, factors affecting 1402.
hypersensitivity (delayed) effects on growth, characterization, mice 6106.
identification, animal models, in vitro culture 5577.
infection, immunity, hypersensitivity (delayed), mice 1875.
infection, mice, disease resistance, antigen-antibody interactions 4305.
infection, mice, effects on nerves fibers 10716.
infection, mice, susceptibility 1879.
macrophages inhibition growth in vitro 6068.
mice spleen leukocytes, effects on superoxide dismutase activity 6079.
Mycobacterium luteum,
morphology, vacuum effects on 12299.
Mycobacterium malmoense,
mycobacteriosis, lung, man, British Isles 6164.
Mycobacterium marinum,
antibiotic sensitivity testing, drug sensitivity testing 5947.
antibiotic sensitivity testing, tetracyclines, aminoglycoside antibiotics, in vitro 3003.
experimental infection, mice, immune response 565.
identification, photochromogenicity 1308.
infection, histopathology, clinical aspects, man 13086.
infection, immunity (cell-mediated), body temperature, effects on, mice 3202.
tenosynovitis, man, case reports 5432.
Mycobacterium microti,
cell surface, peptidoglycans, characterization 2828.
infection effects on macrophages lysosomal enzymes activity, mice 7928.
macrophages cytotoxicity, lymphokines activation, in vitro 8966.
tuberculosis, characterization, reviews 7003.
Mycobacterium mucosum,
Polysaccharides biosynthesis 12709.
Mycobacterium paraffinicum,
lipoproteins, characterization 7629.
peptidolipids characterization 4084.
Mycobacterium paratuberculosis,
animal isolates, storage conditions effects on viability 3774.
antigenic relationship, Mycobacterium, isolation, cattle 45.
infection, goats, paratuberculosis, case reports 9352.
mycobactin, reviews 12737.
paratuberculosis, cattle, Corynebacterium equi effects on complement fixation tests 7924.
paratuberculosis, cattle, diagnosis, lymphocytes stimulation 1117.
paratuberculosis, Cervus elaphus nannodes, diagnosis, pathology, incidence, USA, California 8105.
paratuberculosis, goats, characterization, case reports 7251.
paratuberculosis, goats, characterization, diagnosis, case reports 7253.
paratuberculosis, lymphocyte transformation tests, diagnosis, cattle 2385.
paratuberculosis, pathology, epidemiology, treatment, diagnosis, man 2294.
paratuberculosis, treatment, rifampicin+streptomycin+isoniazid, goats 8112.
Mycobacterium phlei,
cell surface, peptidoglycans, characterization 2828.
ester mycolic acids, oxygen incorporation 12432.
genomes, gene mapping 8690.
immobilized cells, cholesterol derivatives side chains cleavage 7457.
liquid culture, esterase complex, age effects on 8618.
liquid culture, growth patterns, comparison, carbon sources 8262.

Mycobacterium phlei, (continued)
membrane vesicles, adenosinetriphosphatase, vanadic acid inhibition 3967.
N-nitroso-N-methyurea mutagenicity 12747
replication gene mapping, genomes 8686.
Mycobacterium pneumoniae,
infection, association, meningoencephalitis, clinical aspects, electron microscopy, children, case reports 13220.
pneumonia, legionnaire's disease, Legionella pneumophila, diagnosis, counter immunoelectrophoresis, antibodies, serum levels, man 6985.
Mycobacterium rhodochrous,
+Arthrobacter, mixed culture, biodegradation, n-alkylcycloalkanes 1382.
infection, man, case reports 7138.
Mycobacterium rubrum,
3-oxosteroid-Δ1-dehydrogenase, localization, cells 12642
phospholipids, fatty acid composition 12714.
Mycobacterium scrofulaceum,
antibiotic sensitivity testing, drug sensitivity testing 5947.
association, leprosy etiology, mice, rats 10650
cervix abscesses, man, case reports 11792.
concurrent infection, papovavirus, warts, tumorigenesis, role immunity, man 6311.
granuloma hepatitis, man, case reports 7116.
identification, pigments, catalase 5595.
injection, incidence, immunosuppression, man 582.
isolation, fresh water, estuaries, aerosols 6440
monocytes, antibacterial activity, isotopes, assays 10136.
mycobacteriosis, lung, man, Thailand 6171.
phage typing, methodology 3807
serotypes, antigens structure 6036
serotyping, agglutination 5582
Mycobacterium simiae,
experimental infection, immune response (cell-mediated), suppressor cells, lung, gnotobiotics (specific pathogen free), mice 6063.
experimental infection, immunosuppression, suppressor cells, lymphocytes T, chemotherapy, mice 3214.
+Mycobacterium tuberculosis, mixed infection, immunosuppression, guinea-pigs 6065
serotyping, cultural characteristics, antigenic characteristics 6037.
synonymy, Mycobacterium habana, taxonomy, serotyping, hydridization 9569.
Mycobacterium smegmatis,
antibacterial activity, antrimycins 7802.
antibacterial activity, trimethysilyl 3-(carbethoxyalkylcarbamoyl)propiolates 8842
antibacterial activity, 2,3-dinitrilo-1,4-dithia-9,10-anthraquinone 8840.
carotenoids, biosynthesis, light effects 1428.
cell surface, peptidoglycans, characterization 2828.
DNA methylation 2695.
growth, lipid composition, phospholipid composition, glycine, effects on 1573.
hydrolysis, carboxylic acids esters 3851.
iron, transport, uptake 5666
light, effects on, phospholipid composition, growth 8445
liquid culture, growth patterns, comparison, carbon sources 8262.
Maclura pomifera fruits extracts antibacterial activity 450.
media (culture), effects on macromolecules biosynthesis 7429.
membranes phospholipids, enzymes biosynthesis, regulation 9806.
mycobactin localization, association iron transport 12294
palmitoyl-CoA hydrolase, hydrolase, purification, characterization 5749
peroxidase, antigens, cross-reactivity, Mycobacterium leprae 3172.
phage I3, DNA biosynthesis, RNA biosynthesis, protein biosynthesis 4984
phages, lysogeny 6734.
spheroplasts, acetate, membrane biosynthesis, cyclic AMP, effects on 2592.
sulfones antibacterial activity, structure-activity relationships 440.
trehalose monomycolate, trehalose dimycolate, mycolic acid, biosynthesis, ethambutol, effects on 2824
Mycobacterium szulgai,
isolation, lung tuberculosis, case reports, man 750
respiratory tract infection, case reports, new records, Australia, man 6983.
Mycobacterium terrae,
rheumatoid arthritis, pathogenicity, knee, case reports, man 7095
Mycobacterium thermoresistible,
characterization, pathogenicity, man 4397.
Mycobacterium tuberculosis,
abdomen tuberculosis, incidence, clinical aspects, man, India 10456.
abdominal diseases, characterization, diagnosis, treatment 13311.
acute miliary tuberculosis, man 9274.
alcohols, separation, high-performance liquid chromatography 1577.
amikacin antibacterial activity 7770.
antibacterial activity, antibiotic DL 473, antitubercular agents, in vitro, in vivo 3036.
antibacterial activity, antibiotic DL473, rifampicin, in vivo, in vitro 4188.
antibacterial activity, antrimycins 7802.
antibacterial activity, catalase mediation peroxidase 1782.
antibacterial activity, prothionamide, prothionamide-S-oxide, experimental infection, mice 3097
antibacterial activity, trimethysilyl 3-(carbethoxyalkylcarbamoyl)propiolates 8842.
antigen L, isolation, characterization, role, association, BCG sensitization, guinea-pigs 8920.
antigens, characterization, reviews 6059.
antigens, immune response, lymphocytes T, cytotoxicity 11627.
antigens, prostaglandins regulation lymphocytes proliferation 6073.
antigens, skin tests, hypersensitivity, man 591.
antimycobacterial agents, antibacterial activity 4205.
arthritis, man, case reports 955.
blood, agar, media (culture) 2523.
case reports, tuberculosis, disseminated infection, pneumothorax, children, man 2265
clinical isolates, antibiotic resistance, streptomycin, drug resistance, isoniazid, surveys, Algeria 3060.
clinical isolates, drug sensitivity testing, drug resistance, isonazid, streptomycin 11469.
clinical isolates, pyrazinamidase, screening, susceptibility, pyrazinamide, antitubercular agents 1785.
clinical isolates, rifampicin antibiotic resistance, +isoniazid drug resistance 4199.
colonial characteristics, isolation, Burma 12350.
6 cyclo-octylamino-5,8-quinolinequinone, antibacterial activity, in vitro 417.

Mycobacterium tuberculosis, (continued)
dental calculus isolation, association, lung tuberculosis, man 2014.
differential diagnosis, Brucella, meningitis, clinical aspects, man 7063.
DNA methylation 2695.
drug resistance, drug sensitivity testing, disease control 11471.
drug sensitivity testing, drug resistance, pyrazinamide 1783.
etiology, Hodgkin's disease, man 9244.
experimental infection, immune response (cell-mediated), macrophages, release, hydrogen peroxide, guinea-pigs 10180.
fructose-bisphosphate aldolase, purification, characterization 7608.
guinea-pigs resistance, induction, Listeria monocytogenes, BCG lipids 9365.
identification, false-positives, Mycobacterium gordonae 6469.
identification, mass spectroscopy, pyrolysis products 5583.
incidence, relationship, age, man 7104.
infection, blood donors, infectious diseases, vaccination 12012.
infection effects on macrophages lysosomal enzymes, activity, mice 7928.
infection, epidemiology, man, Asia 13268
infection, guinea-pigs, adherent cells, production, suppressor factor 1894
infection, histopathology, clinical aspects, man 13086.
infection, infants, man, tuberculosis association skin lesions 11899.
infection, man, gallbladder tuberculosis, case reports 13321.
infection, man, Germany, Fed. Rep., epidemiology 10623.
infection, man, skin tuberculosis, lesions, case reports 11663.
infection, man, tine test, public health, reviews 13345.
infection, man, treatment 10627
infection, man, tuberculosis brain abscesses, diagnosis, pathogenesis 11837.
infection, man, tuberculosis diagnosis, tine test characterization 10483.
infection, man, tuberculosis, public health, disease spread 10634.
infection, man, tuberculosis thyroiditis, diagnosis, pathology 11907.
infection, outbreaks, Macaca mulatta, Saimiri sciureus 10717.
infection, prophylaxis, association, granuloma formation inhibition, immunosuppressive agents, protoplasm, mice 9009.
injection, incidence, immunosuppression, man 582.
intestinal tract tuberculosis, diagnosis, man 7982.
joints infection, man, case surveys 5408.
larynx tuberculosis, presentation, carcinoma, pathology, man, case reports 804.
lipid composition, sulfur, isolation, purification 6679.
liver tuberculosis, angiography, man, case reports 2239.
lung infection, symptoms, roentgenography, man 776.
lung tuberculosis, association, respiratory tract carcinoma, diagnosis, man 11703.
lung tuberculosis, calcium serum levels, man 5295.
lung tuberculosis, chemotherapy, man 10327.
lung tuberculosis, diagnosis, radiography 11713.
lung tuberculosis, diagnosis, syringes aspiration biopsy, man 6187.
lung tuberculosis, monocytes chemotaxis defects, man 11615.
lung tuberculosis, pathogenesis, clinical aspects, man 6964.
lung tuberculosis, symptoms, man 5293.
lung tuberculosis, treatment, man 5310.
lupus vulgaris, oral mucosa, association, tuberculosis, lung, man, case reports 2013.
lupus vulgaris, tumors like, pathology, man, case reports 1947.
lymphadenitis, clinical aspects, man, case reports, reviews 3461.
man, lung tuberculosis, antiinflammatory agents treatment role latent infection 11750
man, lung tuberculosis, treatment, isoniazid+rifampicin, ± ethambutol 9107.
meningitis, association, Candida albicans, secondary infection, man, case reports 2107
meningitis, association, eye reactivity, man, case reports 7058.
meningitis, association, hypothermia, man, case reports 5341.
meningitis, cerebrospinal fluid, amino acids levels, man 5337.
meningitis, cerebrospinal fluid, lactate dehydrogenase, activity, children 8016.
meningitis, children, diagnosis 9166
meningitis, clinical aspects, children 10417.
meningitis, clinical aspects, pathology, man, case reports 9177.
meningitis, clinical aspects, pathology, treatment, man 13219.
meningitis, complications, arachnoiditis, diagnosis, clinical aspects, man 3412.
meningitis, diagnosis, man 3415
meningitis, man, case reports 7059
meningitis, man, cerebrospinal fluid adenosine deaminase, immunity (cell-mediated) 4318.
meningitis, man, cerebrospinal fluid, lymphocytes T subpopulations, enumeration 7936.
meningitis, pathology, man 11840.
meningitis, treatment, rifampicin, man, case reports 888.
meningoencephalitis, juveniles, cattle, India, case reports 3620.
microscopy, acid-fast staining, sputum smears 4662.
modification, tuberculosis lesions extracts 11465.
Mycobacterium bovis, identification, pyrolysis products 2555.
+Mycobacterium, mixed infection, immunosuppression, guinea-pigs 6065.
mycolic acid+peptidoglycans, hypersensitivity (delayed), inflammation, granuloma, lung, rabbits 4281.
4-(5-nitro-2-furyl)-2-(substituted-pherylamino)thiazoles, 4-(2,4,5-trichlorophenyl)-2-(substituted-phenylamino) thiazoles, 4-(di-hydroxyphenyl)-2(substituted-phenylamino)thiazoles, antibacterial activity, synthesis 10043.
paratuberculosis, outbreaks, sheep 13388.
pathogenicity, Mycobacterium tuberculosis tuberculosis treatment, antitubercular agents, effects on, man 768.
pericarditis, diagnosis, gallium-67, man 962.
pneumonia, diagnosis, bronchoscopy, immunocompromised hosts, man 6998.
polysaccharides structure 4946.
preciptinogen, purification, characterization 9716.
recovery, media (culture), Streptococcus contamination 3767.
reinfection, man, case reports 13292.
respiration, measurements 11028.
skin tuberculosis, immunity (cell-mediated), man 1904.
sputum, survival, heat fixation, slides, role infection man 4674.
survival, humidity preferences 12414.
susceptibility, ozone effects on, mice, guinea-pigs 2338.
taxonomic revision, characterization 8296.
tonsil tuberculosis, man, case reports 10353.
tuberculoma, brain, man 880.
tuberculoma, brain, man, case reports 2108.
tuberculoma, brain, treatment, antibiotics, diagnosis, man, case reports, reviews 892

Mycobacterium tuberculosis, (continued)
- tuberculoma, masopharynx, man, case reports 1997.
- tuberculoma, presentation carcinoma, urinary bladder, man 5335.
- tuberculoma, spinal cord, case reports, man 879.
- tuberculosis, , association, hypersensitivity, treatment, kidney 2106.
- tuberculosis, adenoid, pathology, man 1978.
- tuberculosis, aneurysm, association fistulae, aorta, man, surgery 6303.
- tuberculosis, antitubercular agents, benzimidazoles derivatives, synthesis, man 6838.
- tuberculosis, antitubercular agents, thio-sulfonyl benzimidazoles derivatives, synthesis, man 6839.
- tuberculosis, antitubercular agents, thiocarbanilides, synthesis 6837.
- tuberculosis, antitubercular agents treatment, man, reviews 11938.
- tuberculosis, antitubercular agents, 2-aryloxy thioisonicotinamides 5975.
- tuberculosis, antitubercular agents, 2-(4-aminophenyl)thiazoles derivatives, synthesis, man 6836.
- tuberculosis, association, BCG vaccination, children 4336.
- tuberculosis, association, encephalopathy, man 7064.
- tuberculosis, association, enterocolitis, clinical aspects, diagnosis, treatment, man 13175.
- tuberculosis, association, eye granuloma, pathology, Ateles geoffroyi, Macaca mulatta 8104.
- tuberculosis, association, heart artery lesions, man, case reports 7202.
- tuberculosis, association, hemodialysis, ethnic groups, man 13148.
- tuberculosis, association, histocompatibility antigen HLA, family studies, man 4380.
- tuberculosis, association, immunosuppressive agents treatment, man 9228.
- tuberculosis, association, leukocytes (neutrophilic) adherence, man 6924.
- tuberculosis, association, osteosarcoma, diagnosis, man, case reports 4492.
- tuberculosis, association, pericardium effusion, treatment, prednisolone, man, case reports 2292.
- tuberculosis, association, pneumonia, lung, edema, diagnosis, man, case reports 2002.
- tuberculosis, association, pregnancy, diagnosis, treatment, man, reviews 4387.
- tuberculosis, association, renal insufficiency, dialysis, man 9277.
- tuberculosis, association, respiratory distress syndrome, diagnosis, treatment, man, case reports 1976.
- tuberculosis, bilary tract, liver, man, case reports 989.
- tuberculosis, bone, joints, treatment, man 3550.
- tuberculosis, bone, osteomyelitis, man 9286.
- tuberculosis, brain, presentation, brain abscesses, man, case reports 2124.
- tuberculosis, British Isles, epidemiology, man 10341.
- tuberculosis, characterization, reviews 7003.
- tuberculosis, chemotherapy, relationship, hypersensitivity (delayed), mice 11584.
- tuberculosis, clinical aspects, Pelger-Huet anomaly, diagnosis, prognosis, case reports, man 11970.
- tuberculosis, colon, presentation, diagnosis, man, case reports 5315.
- tuberculosis, control programs, man, China, People's Rep. 11917.
- tuberculosis, control programs, man, Germany, Fed. Rep. 11916.
- tuberculosis, diagnosis, BCG, tuberculin, children 9263.
- tuberculosis, diagnosis, bronchoscopy, biopsy, man 4402.
- tuberculosis, diagnosis, bronchoscopy, man 9114.
- tuberculosis, diagnosis, intestine, man 11759.
- tuberculosis, diagnosis, kidney, man 2073.
- tuberculosis, diagnosis, man 947.
- tuberculosis, diagnosis, post-menopause, man 3340.
- tuberculosis, diagnosis, radioimmunoassay, man 4251.
- tuberculosis, diagnosis, tine test, comparison, Tuberculine Monotest, children, man 3335.
- tuberculosis, diagnosis, treatment, skull, man 1024.
- tuberculosis, diagnosis, tuberculin skin tests, man 11918.
- tuberculosis, diagnosis, use, lymphocyte transformation assays, children 587.
- tuberculosis, differential diagnosis pleurisy, lysozyme pleural fluid, man 6986.
- tuberculosis, differential diagnosis, spondylodiscitis, man 5407.
- tuberculosis, disease resistance, role, defense mechanisms 6974.
- tuberculosis, disease transmission, man, cattle 4560.
- tuberculosis, disseminated infection, association, systemic lupus erythematosis, man, case reports 2305.
- tuberculosis, disseminated infection, man 936.
- tuberculosis, disseminated infection, presentation, adrenal gland failure, man, case reports 2238.
- tuberculosis, disseminated infection, scintigraphy, treatment, association, side effects, man 11934.
- tuberculosis, disseminated infection, treatment, chemotherapy+corticosteroids, adolescents, adults, man 2291.
- tuberculosis, domestic animals, incidence, disease resistance 9332.
- tuberculosis elbow, man, bone fusion surgery 6316.
- tuberculosis, endometrium, clinical aspects, pathology, man 2088.
- tuberculosis, epidemiology, Asia immigrants, British Isles 11971.
- tuberculosis, epidemiology, children 13280.
- tuberculosis, epidemiology, control, man, reviews 7197.
- tuberculosis, epidemiology, man 6968.
- tuberculosis, esophagus, man, case reports 808.
- tuberculosis, eye, case reports, man 950.
- tuberculosis, fever association, man 11948.
- tuberculosis, gastrointestinal tract, comparison, Crohn's disease, pathology, diagnosis, man 836.
- tuberculosis, gastrointestinal tract, pathology, diagnosis, man, case reports 9129.
- tuberculosis, genitourinary tract, children, case reports 7044.
- tuberculosis, genitourinary tract, clinical aspects, treatment,
- tuberculosis, genitourinary tract, treatment, surgery, man 9164.
- tuberculosis, glucose tolerance, man 6175.
- tuberculosis, host-pathogen interactions, man, human biology 6977.
- tuberculosis, hypersensitivity (delayed), disease control, methodology, hospitals 9227.
- tuberculosis, immune response, immunological aspects, man, animals, reviews 6110.
- tuberculosis, immune response, lymphocytes, macrophages, man 11600.
- tuberculosis, immune response, pathogenesis, diagnosis, man, reviews 13042.
- tuberculosis, imported diseases, man 4395.
- tuberculosis, imported diseases, screening, man 6252.
- tuberculosis, incidence, cancer patients 3455.
- tuberculosis, incidence, diagnosis, hemodialysis, man 5413.
- tuberculosis, incidence, Haiti immigrants, USA 13293.
- tuberculosis, incidence, immigrants, man, Germany, Fed. Rep. 11919.
- tuberculosis, incidence, man, South Africa 1988.

Mycobacterium tuberculosis, (continued)
- tuberculosis, incidence, urban environments, children, man 3318.
- tuberculosis, infection, children, vaccines, reviews 9049.
- tuberculosis, intestinal tract, diagnosis, treatment, clinical aspects, man 4408.
- tuberculosis, intestine, diagnosis, colonoscopy, biopsy, case reports, man 7015.
- tuberculosis, intestine, pathology, man 10378.
- tuberculosis, iosoniazid, rifampicin, ethambutol, treatment, man, Denmark 12010.
- tuberculosis, ischium, pathology, treatment, man 2281.
- tuberculosis, isoniazid+rifampicin treatment, isoniazid inactivation, association, urinalysis, man 10477.
- tuberculosis, localization, epidemiology, clinical aspects, man 6298.
- tuberculosis, lung, association, aspergilloma, man, case surveys 13136.
- tuberculosis, lung, association, choroid lesions, infants, man, case reports 9123.
- tuberculosis, lung, association, empyema, treatment, man, case reports 5308.
- tuberculosis, lung, association, monocytes function, man 3205.
- tuberculosis, lung, detection, glycolipids antigens, hemagglutination, man 1974.
- tuberculosis, lung, diagnosis, bronchoscopy, man 4389.
- tuberculosis, lung, disseminated infection, treatment, clinical aspects, man 2286.
- tuberculosis lung, drugs treatment, reviews 6195.
- tuberculosis, lung, fever, treatment, corticosteroids, man, case reports 755.
- tuberculosis, lung, geriatrics, France 3333.
- tuberculosis, lung, immune response, man 547.
- tuberculosis, lung, incidence, man 11720.
- tuberculosis, lung, infants, man, France 6980.
- tuberculosis, lung, man 11719.
- tuberculosis, lung, man, prophylaxis, reviews 6194.
- tuberculosis, lung, man, treatment, clinical trials, reviews 6186.
- tuberculosis, lung, negative sputum smears, pathogenesis, radiography, man 4384.
- tuberculosis, lung, Noscomial infection, man 6191.
- tuberculosis, lung, outbreaks, geriatrics, institutions 754.
- tuberculosis lung, pathogenesis, man, reviews 6970.
- tuberculosis, lung, pathology, factors affecting, children 2018.
- tuberculosis, lung, prognosis, man 11722.
- tuberculosis, lung, prognosis, man 11723.
- tuberculosis, lung, treatment, antimycobacterial agents, man 753.
- tuberculosis, lung, treatment, man 752.
- tuberculosis, lung, treatment, man 770.
- tuberculosis, lung, treatment, man 11724.
- tuberculosis, lung, treatment, man 11726.
- tuberculosis, lung, treatment, side effects, man 1996.
- tuberculosis, lymph nodes, surgery, man 11911.
- tuberculosis, lymphadenopathy, children 9269.
- tuberculosis, man, antigen-antibody complexes 7929.
- tuberculosis, man, case surveys 11908.
- tuberculosis, man, detection, tuberculin antibodies, immunoglobulin G, enzyme-linked immunosorbent assay, radioimmunoassay 3154.
- tuberculosis, man, penis, case reports 6214.
- tuberculosis, man, reviews 4393.
- tuberculosis, man, serological surveys 6300.
- tuberculosis, medical importance, reviews 7000.
- tuberculosis, middle ear, man 6170.
- tuberculosis, muscles abscesses, intestine penetration, man, case reports 2274.
- tuberculosis, muscles, man, case reports 4478.
- tuberculosis, norepinephrine, cyclic AMP, levels, plasma, man 3346.
- tuberculosis, nosocomial infection, incidence, geriatrics institutions, man, USA, Arkansas 10478.
- tuberculosis, occupational exposure, hospitals, man 11725.
- tuberculosis, occupational exposure, hospitals, man, case reports 7162.
- tuberculosis, osteomyelitis, man 13285.
- tuberculosis, pancreas, man, case reports 1023.
- tuberculosis, pathogenesis, detection, E.S.R., fucose serum levels, man 11735.
- tuberculosis, pathology, pregnancy, puerperium, association, man 5412.
- tuberculosis, presentation, carcinoma, man, case reports 7203.
- tuberculosis, presentation, man, case reports 968.
- tuberculosis, prophylaxis, man, reviews 11980.
- tuberculosis, pyrazinamide deamidase activity, man 841.
- tuberculosis, relationship, genetics, man 3428.
- tuberculosis, relationship, serum levels, copper, iron, zinc, man 1980.
- tuberculosis, rifampicin treatment, man 13251.
- tuberculosis, screening, man, Kenya 6177.
- tuberculosis, serum levels, antigen-antibody complexes, antibodies, man 4285.
- tuberculosis, skin, epidemiology, treatment, clinical aspects, man, German Dem. Rep. 11660.
- tuberculosis, skin tests, man, children, South Africa Rep., effects on, hypersensitivity (delayed) 5291.
- tuberculosis, spine, presentation, pathology, clinical aspects, treatment, man 2253.
- tuberculosis, surveillance, man, hospitals 5392.
- tuberculosis, tongue, man, case reports 13095.
- tuberculosis, treatment, children 11912.
- tuberculosis, treatment, clinical trials, man, Rumania 11909.
- tuberculosis, treatment, man 11753.
- tuberculosis, treatment, man 11914.
- tuberculosis, treatment, man, conferences 12195.
- tuberculosis, tuberculin stimulation lymphocytes T proliferation, man 10189.
- tuberculosis, vaccination, epidemiology, man 13056.
- tumors infection, man, immunological aspects 6148.
- tyberculin, antigenic relationship, BCG, seperation techniques 8939.
- vaccination, adolescents, reviews 611.
- vaccination, adults, man 4331.
- vaccination, association, pregnancy, man 11633.
- valyl-tRNA synthetase, purification, characterization 4025.

Mycobacterium tuberculosis var. bovis,
- alcohol dehydrogenase, , deficiency effects on, growth 2770.

Mycobacterium tuberculosis var.bovis,
- alcohol dehydrogenase, purification, characterization 2771.

Mycobacterium ulcerans,
- ulcers, diagnosis, treatment, skin, man, case reports 4366.
- ulcers, man, case reports, Liberia 1930.

Mycobacterium vaccae,
- milk isolates, mastitis, cattle 2387.

Mycobacterium xenopi,
- antibiotic sensitivity testing, drug sensitivity testing 5947.
- drug sensitivity testing, photometry 11446.

Mycobacterium xenopi, (continued)
mycobacteriosis, lung, man, British Isles 6164.
mycobacteriosis, man 774.
Mycobacterium-intracellulare-scrofulaceum,
glycoproteins, antigens, immunogenicity, antibody response, rabbits 6890.
Mycobactin,
localization, Mycobacterium smegmatis, association iron transport 12294.
Mycobacterium paratuberculosis, Mycobacterium avium, reviews 12737
Mycococcus,
characterization. Micrococcus comparison, taxonomy 6480.
Mycolic acid,
biosynthesis, Mycobacterium smegmatis, ethambutol, effects on 2824.
+peptidoglycans. Mycobacterium tuberculosis, hypersensitivity (delayed), inflammation, granuloma, lung, rabbits 4281

Corynebacterium, chemical analysis, gas chromatography, mass spectroscopy 11222.
Mycobacterium leprae, isolation, characterization, thin-layer chromatography 2834.
structure, Corynebacterium 12691
Mycoplana,
colonization, population growth, rhizosphere, gnotobiotics, Hordeum vulgare 4629.
growth, interaction, Curtobacterium, Pseudomonas, rhizosphere, gnotobiotics, cereals 3684
Mycoplasma,
adherence erythrocytes, models, adherence respiratory tract epithelium 9601.
adherence mechanisms, cell surface models 9600
antibacterial activity, josamycin 3030.
antibiotic resistance, chloramphenicol, oxytetracycline, tylosin, neomycin, streptomycin 3056
antibiotic resistance, chloramphenicol, oxytetracycline, neomycin, streptomycin 3057.
antigens, detection, agglutination, cells 5184.
antigens, use vaccines 10269
arginine utilization, characterization, role, arginine aminopeptidase enzymatic activity 2757.
association, genital tract infection, man 2064.
biochemical characteristics, infection, diagnosis, pathogenicity, man, reviews 10508
cell culture contamination, elimination, 5-bromouracil 9531.
cell surface, lysis complement, phagocytosis, phagocytes 10240
clinical isolates, identification, clinical microbiology 12234.
contamination, association, deoxyctidine deaminase, herpes simplex virus, infection, hamsters cell culture 4682
contamination, detection, cell culture 9530.
detection, Bactec test 1299
X disease, Cicadellidae vectors, orchards, Prunus persica 5505.
effects on ciliary movement, trachea organ culture, chickens, mice 11704.
effects on embryos, chickens, turkeys 3612.
etiology, rheumatoid arthritis, animal models 10541.
genital microflora, dogs, role, infertility 2333.
genital tract infection, mice 1056
growth, Callistephus chinensis extracts, in vitro 3764.
horses animal isolates, characterization, comparison, Mycoplasma mycoides 4704
immunostimulation, mitogenicity, lymphocytes, Thy-1 antigen capping 10238.
incidence, central nervous system, laboratory animals 3569.
incidence, nose microflora, cattle, Chlamydia 13365
incorporation hosts antigens, induction autoimmunity, inflammation 10239.
indicators, Malus hybrids 1137
infection, association, cold agglutinin disease, autoimmune hemolytic anemia, man, case reports 5305
infection, association herpes simplex virus infected cells, cleoxycytidine deaminase activity 12071
infection, biochemical analysis, leaves, Brinjal 2420
infection, cattle, pneumonia, immunodiagnosis 10707
infection, cattle, reviews 6364
infection, Datura stramonium, symptoms 10735
infection, diagnosis, microscopy, isolation, identification, culture, reviews 9568.
infection, diagnosis, pathogenesis, vaccines, man, domestic animals, conferences 10837
infection, disease resistance, fruit trees, incidence, German Dem. Rep., USSR, Bulgaria (People's Rep.) 2417.
infection, effects on, skeletal muscle lactate dehydrogenase, man 7221
infection, goats, agalactia, pathogenesis 13378.
infection, immunodiagnosis, cattle 10706.
infection, inflammatory diseases, genitourinary tract, incidence, antibiotic resistance, man 2055.
infection, larynx pathology, gnotobiotics, rats 11746.
infection, mammalian cells, adenosine phosphorylase, use, detection 11137.
infection, man, effects on lung, relationship hypersensitivity 13021.
infection, man, otitis media, bacteriology, reviews 10333
infection, tetracyclines treatment, man 11942.
infection, virescence, cytokinins, levels, Catharanthus 3671.
isolation, characterization, turkeys 5599.
isolation Corynebacterium pyogenes, cattle fetuses 6347.
isolation, culture, genital microflora, man 9510.
isolation, culture, identification, taxonomy, diagnosis 10921.
isolation, identification, liquid culture, cultural characteristics 10857.
isolation, Myctereutes procyonoides viverrinus, Vulpes vulpes japonica, Meles meles anakuma 3565.
mastitis, cattle, reviews 10698
mastitis, diagnosis, disease transmission, cattle 3573.
membranes, protons gradients 3812.
non-specific urethritis, diagnosis, man 13190.
nucleotide sequence, comparison, Acholeplasma 1432.
Ollarianus balli vectors 8128.
phages, lysis, morphology, taxonomy 9853.
plant diseases, Malus pumila, Belgium 12094.
pneumonia, man 9100.
pneumonia, treatment, acetylspiramycin, children 760.
pneumonia, treatment, acetylspiramycin, children 762.
pneumonia, treatment, antibiotic 6059-S, man 2020.
pneumonia, treatment, lincomycin, tylosin, pigs 2335.
respiratory tract infection, genitourinary tract infection, man, reviews 11738.
septicemia, juveniles, cattle 9337.
western X disease, Prunus avium, disease control, oxytetracycline treatment 9394.
Mycoplasma, (continued)
Zizyphus oenoplea, witches' broom, antibacterial activity, tetracycline 7300.
Mycoplasma agalactiae,
agalactia, characterization, goats, Senegal 3564.
infection, goats, agalactia, pathogenesis 13378.
Mycoplasma agalactiae subsp.bovis,
association, mastitis, arthritis, cattle, Germany, Fed. Rep. 5486.
immunoglobulin G, detection, enzyme-linked immunosorbent assay, cattle 1843.
tiamulin antibacterial activity, respiratory tract isolates 5098.
Mycoplasma arginini,
contamination, cell culture effects on toxicity testing, hepatoma, rats 12226.
effects on feline sarcoma virus, cell culture 2425.
membranes phospholipids crystallization, role, cholesterol 11237.
Mycoplasma arthritidis,
activation, macrophages, cell lines, mice 9023.
antigens, induction, arthritis, clinical aspects, rabbits 13037.
antisera, rabbits, interaction, synovium cells, rats 555.
conjunctivitis, antibody response, animal models 6283.
isolates, mice, identification, hemadsorption 3799.
mitogens, antigenic characteristics, specificity, lymphocyte transformation, hosts 6887.
mitogens, immunostimulation, lymphocytes T 11573.
mitogens, stimulation, lymphocytes, mice, genetic analysis 4316.
mixed infection, stimulation Rauscher leukemia virus leukemogenesis, mice 13371.
stimulation, Rauscher leukemia virus, leukemogenesis, mixed infection, mice 13371.
Mycoplasma bovigenitalium,
genital tract infection, cattle, males 9372.
mycoplasmosis, cattle genital diseases, reviews 6365.
Mycoplasma bovirhinis,
infection, cattle, pneumonia, immunodiagnosis 10707.
isolation, bronchopneumonia, pathogenicity, cattle 13395.
tiamulin antibacterial activity, respiratory tract isolates 5098.
Mycoplasma bovis,
arthritis, histopathology, domestic animals 10702.
bovine diarrhea-mucosal disease virus, Pasteurella haemolytica, effects on, immune clearance, lung, cattle 10236.
challenge, resistance, susceptibility, association, enzyme-linked immunosorbent assay, serum, cattle 8975.
experimental infection, cattle vesicular gland, pathogenicity 10648.
infection, cattle, pneumonia, immunodiagnosis 10707.
infection, clinical aspects, treatment, cattle, Germany, Fed. Rep. 3576.
infection, treatment, hygiene, males, cattle 3579.
mastitis, cattle 8106.
mastitis, cattle, reviews 10698
mycoplasmosis, cattle genital diseases, reviews 6365.
Mycoplasma bovis infection,
complement activation, antibacterial activity, association, immunoglobulin G, immunoglobulin M, cattle 9012.
Mycoplasma capricolum,
arthritis, histopathology, domestic animals 10702.
cholesterol, analogs, membranes, differential scanning calorimetry 3824.
energy effects on membrane proteins, lipids, conformation, E.S.R., fluorescence polarization 8379.
rRNA genes hybridization analysis 7665.
Mycoplasma columborale,
pathogenicity, Columbidae, chickens 6363.
Mycoplasma dispar,
tiamulin antibacterial activity, respiratory tract isolates 5098.
Mycoplasma fermentans,
biochemical characteristics, isolation, genitourinary tract, man 9068.
genital tract, transport, media, swabs 4667
Mycoplasma flocculare,
isolation, pigs, USA 1083.
Mycoplasma gallisepticum,
agglutination association, chickens 13046.
alcohols effects on 438.
antibacterial activity, mechanisms, copper+2,9-dimethyl-1,10-phenanthroline complex 1774.
antibodies, detection, agglutination, Aves 12996.
antigens, comparison, Mycoplasma-like organisms 6050.
arthritis, histopathology, chickens 10701.
attachment, erythrocytes, role, membranes, proteins 2620.
capsules, function, characterization 5620.
detection, assays, chickens 6341.
epizootiology, treatment, turkeys 6349.
experimental infection, chickens respiratory tract, association lesions 6340
experimental infection, pathology, genital tract, chickens 2374.
extracts, antigenicity, use vaccination, chickens 5263.
infection, immune response, chickens 603.
infection, transmission (transovarial), effects on, egg production, chickens 13394
ionophores, N,N'-dicyclohexylcarbodiimide, effects on adherence, erythrocytes 10962.
lipid composition, resistance, lysis association, membranes 6509.
membranes, isolation, methodology 8371.
membranes lysophospholipids hydrolysis, role, lysophospholipase 12689.
membranes, protein composition 12343.
mycoplasmosis, pathogenicity, epizootiology, chickens 10688.
sinusitis, pathology, Meleagris gallopavo, case reports 10691.
strains, antigens, cross-protection, chickens 13004.
transmission, chickens, characterization 6342.
tylosin antibiotic resistance, animal isolates 10013.
vaccination, chickens 10270.
vaccination effects on egg laying, chickens 6122.
Mycoplasma hominis,
association, genital tract infection, man 2064.
attachment embryo fibroblasts, man 8366.
biochemical characteristics, isolation, genitourinary tract, man 9068
genital microflora, role, infertility, pregnancy, man 4430.
genital tract, transport, media, swabs 4667.
genitourinary tract infection, man, reviews 10399.
growth, cell culture, characterization, embryos lung fibroblasts, man 8443
infection, brain abscesses, man, case reports 4483.
isolation, association, trauma, fever, case reports, man 6301
pericardium effusion, neonates, man, case reports 7099.

Mycoplasma hominis, (continued)
role, proctitis, males, homosexuality 5324.
sexually-transmitted diseases, man, Spain, surveys 2146.
Ureaplasma urealyticum, cervical microflora, relationship, fetuses, growth, man 3386.
Mycoplasma hyopneumoniae,
antibodies, detection, association, etiology, atrophic rhinitis, pigs 7229.
arthritis, experimental infection, antibody response, pigs 2210.
infection,
infection, vaccination, immune response, pigs 1892.
pneumonia, treatment, lincomycin, tylosin, pigs, juveniles 7276.
Mycoplasma hyorhinis,
antibodies, detection, association, etiology, atrophic rhinitis, pigs 7229.
arthritis, histopathology, domestic animals 10702.
concurrent infection, mammary tumor virus, mice tumor cell lines, association, cells detachment factors 4679.
contamination, mammalian cells, cell lines, antibiotics treatment 8281.
contamination, minks lung cell culture, effects on cytomegalovirus, varicella-zoster virus, plaque formation 3776.
detection, autoradiography, cell culture 1282.
genomes, DNA, restriction endonuclease mapping, electron microscopy analysis 8702.
monoclonal antibodies, comparison, tumor cells monoclonal antibodies, in vitro 5245.
Mycoplasma hyosynoviae,
arthritis, histopathology, domestic animals 10702.
Mycoplasma iowae,
arthritis, histopathology, chickens 10701.
Mycoplasma meleagridis,
arthritis, histopathology, chickens 10701.
immunosuppression, immune response (humoral), turkeys, characterization 6081.
infection, suppression, Newcastle disease virus vaccination immune response (humoral), turkeys 4303.
mycoplasmosis, pathogenicity, epizootiology, chickens 10688.
Mycoplasma mycoides,
comparison, Mycoplasma, horses animal isolates, characterization 4704.
energy effects on membrane proteins, lipids, conformation, E.S.R., fluorescence polarization 8379.
rRNA 5S nucleotide sequence, comparison Spiroplasma 12540.
Mycoplasma mycoides subsp. mycoides,
contagious caprine pleuropneumonia, vaccines, goats, 651.
Mycoplasma mycoides subsp.capri,
infection, mice, cross-resistance, role, Mycoplasma mycoides subsp.mycoides, isolates, goats, sheep 3249.
Mycoplasma mycoides subsp.mycoides,
arthritis, histopathology, domestic animals 10702.
contagious caprine pleuropneumonia, treatment, streptomycin, penicillin, goats 7280.
epizootics, outbreaks, goats 10687.
extracts, endotoxins, virulence, goats 10123.
infection, cattle, immune response, antibodies detection, passive hemagglutination 11628.
infection, goats 9333.
infection, goats, agalactia, pathogenesis 13378.
isolates, goats, sheep, role, cross-resistance, Mycoplasma mycoides subsp.capri infection, mice 3249.
mycoplasmosis, domestic animals 10685.
strains, antigenic relationship 3170.
Mycoplasma neurolyticum,
isolates, mice, identification, hemadsorption 3799.
toxins, role pathogenicity 10119.
Mycoplasma orale,
attachment embryo fibroblasts, man 8366.
Vero cells, effects on canine distemper virus growth 7470.
Mycoplasma ovipneumoniae,
infection, pathogenicity, sheep, juveniles, gnotobiotics (specific pathogen free) 8123.
Ovis, experimental infection, ± parainfluenza virus 3, ± Pasteurella haemolytica, pathology 7287.
strains, effects on sheep, juveniles, gnotobiotics (specific pathogen free) 8124.
Mycoplasma pneumoniae,
adherence, glass, role, ATP, cyclic AMP 73.
adherence, role, diseases pathogenesis, man 11995.
adsorption, biochemical analysis, ultrastructure, relationship, virulence 12340.
alcohols effects on 438.
antibacterial activity, rosaramicin, erythromycin, tetracycline, spectinomycin, in vitro 318.
antigens, identification, use, electrophoresis 7919.
bronchopulmonary infection, antibiotics treatment, man, reviews 13155.
contamination, cytolysis, cell culture 9529.
+coxsackievirus A, mixed infection, meningomyelitis, man 10431.
etiology, pneumonia, man 789.
etiology, pneumonia, man 3321.
etiology, rheumatoid arthritis, man 10544.
immune response, infection, hamsters 6894.
infection, association, encephalitis, man, case reports 4497.
infection, association, myocardial infarction, man 6293.
infection, association, Stevens-Johnson syndrome, diagnosis, children, man, case reports 4399.
infection, association, thrombosis, case reports, man 11953.
infection, autoimmune hemolytic anemia, case reports, man 8958.
infection, children, characterization, diagnosis, pathology 10311.
infection, immunosuppression, children 551.
infection, lung pathology, man 6982.
infection, man 3314.
infection, man, association, arthritis 10626.
infection, man, association, Stevens-Johnson syndrome 7964.
infection, man, epidemics, Thailand 10496.
infection, neurological complications, etiology, immune response, diagnosis, man 2236.
infection, presentation, rheumatic fever, clinical aspects, children 7181.
infection, transmission (transplacental), neonates, man 6297.
man, hemolytic anemia, treatment 8069.
media (culture), fluorescent antibody test diagnosis infection, man 9518.
mucosa skin diseases, man, reviews 13087.
myelitis, man, case reports 2180.
Mycoplasma pneumoniae, (continued)
pneumonia, antibody response, blood groups, children 7935.
pneumonia, association, chemotherapy, man, case reports 4405.
pneumonia, association, sickle cell disease, case reports, man 6185.
pneumonia, diagnosis, man 1985.
pneumonia, diagnosis, radiography, man 795.
pneumonia, incidence, man, Thailand 6981.
pneumonia, treatment, tetracycline+erythromycin, hamsters 10340.
polysaccharides antigens, vaccines, immunity, animal models 10272.
relationship, Legionella pneumophila, antigenic characteristics, man, Legionnaire's disease 10140.
respiratory tract infection, association, deafness, treatment, diagnosis, man, case reports 9128.
respiratory tract infection, association, Stevens-Johnson syndrome, children, case reports 10313.
respiratory tract infection, correlation, pertussis, children, British Isles 790.
respiratory tract infection, diagnosis, indirect fluorescent antibody test, man 10153.
respiratory tract infection, pathogenesis, children 10328.
role, asthma, children 748.
sialic acid, role, adherence, erythrocytes 11546.
vaccines, challenge assays, immunity, hamsters 10273.
Mycoplasma pulmonis,
adherence, spermatozoa, genital tract epithelium, mycoplasmosis, mice 10695.
ammonia effects on growth, respiratory tract infection, rats 11729.
arthritis, Corynebacterium parvum effects on, immunomodulation, mice 2192.
cell surface glycoproteins, binding mammalian cells receptors, role virulence 10169.
experimental infection, arthritis, treatment, gentamicin, tobramycin, mice 2396.
experimental infection, hydrocephalus, rats 890.
experimental infection, immunization (passive), immunoglobulin G, mice 4332.
infection, cartilage localization, rats 4525.
infection, detection, enzyme-linked immunosorbent assay, rats, mice 4247.
infection, detection methodology, rats 3158.
infection, diagnosis, enzyme-linked immunosorbent assay, rats, mice 4587.
infection, disease control, vaccination, mice, rats, laboratory animals 10271.
infection, respiratory tract, genital tract, mice, laboratory animals, animal models 10689.
isolates, mice, identification, hemadsorption 3799.
mycoplasmosis, antibody response, lymphocytes activation, lesions, rats 6104.
role, pathogenesis, arthritis, mice 1105.
Mycoplasma putrefaciens,
seroepidemiology, goats, USA, California 1080.
Mycoplasma salivarium,
inactivation, role cell culture filtrates 10862.
Mycoplasma synoviae,
agglutination association, chickens 13046.
antibodies, detection, agglutination, Aves 12996.
antigens, comparison, Mycoplasma-like organisms 6050.
arthritis, histopathology, chickens 10701.
experimental infection, chickens, thymectomy, bursectomy, effects on 12052.
immune response, Marek's disease, infection, chickens, effects on 1887.
mycoplasmosis, pathogenicity, epizootiology, chickens 10688.
synovitis, outbreaks, chickens 5467.
Mycoplasma-like organisms,
Cocos nucifera, yellows, pathology, Cuba 8148.
culture, viability, yellows 5560.
detection, Pyrus 1136.
detection, stunt, Vaccinium ashei 5500.
etiology, witches' broom, Arctostaphylos uva-ursi, Vaccinium myrtillus, Vaccinium vitis-idaea 9416.
incidence, witches' broom, Medicago sativa, Czechoslovakia 2414.
infection, electron microscopy, Vicia faba 13446.
infection, Malus, proliferation disease, characterization 10747.
infection, pathogenesis, plants 13422.
isolation, characterization, antigens, comparison, Mycoplasma gallisepticum, Mycoplasma synoviae 6050.
isolation, likubin, Citrus symptoms, tristeza virus effects on 10746.
little leaf, Acanthospermum hispidum, pathology 7305.
persistent infection, Malus pumila proliferation, Pyrus communis decline 12098.
plant diseases, reviews 10751.
witches' broom, etiology, symptoms, Rubus 13430.
yellows, Cocos nucifera, phloem sap, collection, characterization 13453.
yellows, Cocos nucifera, phloem sap, composition 13449.
Mycoplasmatales virus-laidawii 3,
infection, Acholeplasma laidlawii, effects on cell membranes structure 4992.
Mycoplasmatales virus-laidlawii,
budding release Acholeplasma laidlawii, membrane structure 8715.
freeze-fracture, ultrastructure comparison, Acholeplasma laidlawii 8362.
Mycoplasmosis,
cattle genital diseases, reviews 6365.
domestic animals 10685.
Mycoplasma pulmonis adherence, genital tract epithelium, spermatozoa, mice 10695.
Mycoplasma pulmonis, antibody response, lymphocytes activation, lesions, rats 6104.
pathogenicity, epizootiology, chickens 10688.
Mycorrhizas,
infection, Glycine max, ± Rhizobium, effects on nodulation 10763.
phosphorus uptake, nodulation, nitrogen fixation, growth, Trifolium subterraneum 4622.
Plantago lanceolata, abundance, factors affecting 1161.
Trifolium repens, Glomus tenuis, effects on Rhizobium trifolii nodulation, nitrogen fixation 12152.
Mycosis fungoides,
association, Mycobacterium, histopathology, man, case reports 10295.
Mycotic aneurysm,
association, Salmonella enteritidis infection, man, case reports 5418.
infection, clinical aspects, diagnosis, aorta, man 2254.
pseudo, Salmonella arizonae, association, aortoenteric fistulae, man, case reports 10622.
Salmonella, thorax aorta, man, case reports 5425.
Mycotoxins,
effects on, Photobacterium phosphoreum, bioluminescence, bioassays, methodology 12476.
fungi, soil microorganisms, interaction Rhizobium japonicum, effects on populations, Glycine max nodulation 8156.

Mictereutes procyonoides viverrinus,
mycoplasma, isolation 3565.
Myelitis,
man, case reports, Mycoplasma pneumoniae 2180
Myeloma,
association, Haemophilus influenzae pneumonia, man, case reports 788
Myeloperoxidase,
phagocytosis leukocytes, microbicidal activity, Escherichia coli, hypochlorous acid 6926.
Myocardial infarction,
association, infection, Mycoplasma pneumoniae, Chlamydia psittaci, man 6293.
association rheumatic fever, man 13307
association Yersinia enterocolitica infection, man, case reports 8045.
Myocarditis,
association, Chlamydia trachomatis, infection, diagnosis, treatment, children, man 4499
bacteria, viruses, infants, man 9235
Myocardium,
abscesses, diagnosis, treatment, Streptococcus agalactiae, man, case reports 2234.
Escherichia coli endotoxins shock effects on, dogs 8881.
lipid composition, mice, endotoxins, Salmonella typhi, effects on 1830.
lipoprotein lipase, inhibition Escherichia coli endotoxins, rats 13031.
pathology, post-streptococcal scleroderma, man, case reports 4501.
proteins, contractility, endotoxin shock, Escherichia coli, effects on, animal models 484.
Myoglobinuria,
association, bacteria septicemia, incidence, man 12023.
Myonecrosis,
association. Clostridium septicum, man, case reports 860
Myopathy,
Yersinia pseudotuberculosis, diagnosis, clinical aspects, treatment, turkeys 2372.
Myopus schisticolor,
Listeria monocytogenes infection 9369.
Myositis,
Clostridium chauvoei, Clostridium septicum, clinical aspects, cats, case reports 6358
muscles, diagnosis, man, case reports, Neisseria gonorrhoeae 1019.
Myrica gale,
dihydrochalcones analogs, isolation 5972.
nodulation, Frankia, nitrogen fixation, seasonal variations 12146.
Myristic acid,
Acholeplasma laidlawii, lipid structure, membrane structure 8364
association, mixed culture, alkanes media, Candida parapsilosis, Bacillus, growth characterization 8423
Candida parapsilosis, utilization, Bacillus stearothermophilus, mixed culture 7441
inhibition, Staphylococcus aureus, pH effects, relationship, plasmids 1757.
Myristic acid biodegradation,
Bacillus stearothermophilus, association, metabolites biosynthesis, mixed culture, alkanes media 8435.
Mysis stenolepsis,
antibiotics effects on microflora, association, cellulose digestion 12036.
Mytilus edulis,
bacterioplankton filtration efficiency, measurement 6446.
digestive tract, tissues, assays, Escherichia coli 3584
Myxobacterales,
spores, morphology, media (culture), methodology 12222
Myxobacteria,
freshwater pollution, agricultural runoff, rivers, Czechoslovakia 1186
Myxobacteriales,
abundance, seasonal variations, estuaries, Brazil 1235
Myxococcus virescens,
lytic enzymes, immobilized enzymes, clay, activity 12582.
Myxococcus xanthus,
aggregation, association, membrane proteins biosynthesis 5610
aggregation, defective mutant, genetic analysis 251.
DNA methylation, function, genomes size 3889.
fruit bodies formation, relationship, adenosine release, association, population density 1361.
hemagglutinins, localization, periplasmic space, cell surface, association, developmental stages 5194.
hemagglutinins, purification, characterization 5191.
hemagglutinins receptors, binding 3827.
β-lactam antibiotics, antibacterial activity, cell walls, spore germination 2587.
protein S, purification, characterization 3940.
sporulation defective mutant, murein effects on 12317.
transposon Tn5 use genetic analysis 9898.

N.M.R.,
active sites structure, elongation factor Tu interaction GDP analogs complex magnesium, Bacillus stearothermophilus 11084
amino acids, Escherichia coli, biosynthesis 5733.
anthramycin, Streptomyces refuineus, biosynthesis 7632.
apoflavodoxin interaction prosthetic groups, Megasphaera elsdenii, Azotobacter vinelandii 3874.
arabinose-binding protein, Escherichia coli 7525.
Azotobacter vinelandii ferredoxin characterization 3931.
Bacillus, phosphate detection 4089.
Bacillus thermoproteolyticus proteinase, calcium binding 9762.
bacteria, glucose metabolism, acid production, anaerobic conditions 4070.
bacteriorhodopsin peptides conformational analysis 11024.
bacteriorhodopsin vesicles 5694.
characterization, teichuronic acids, Micrococcus luteus cell walls 1558.
conformational analysis rRNA 5S, Escherichia coli 9679.
cyclic nucleotides binding catabolite activator protein, binding 11117.
cytochrome cd1, Pseudomonas aeruginosa 12477.
FMN binding flavodoxin, Megasphaera elsdenii 7536.
glucose metabolism, Treponema phagedenis 1379.
gramicidin A, interaction, thallium ions, association, 2,2,2-trifluroethanol 11351.
gramicidin, interaction, thallium, ions 11350.

N.M.R., (continued)
inducers binding lactose repressor, Escherichia coli 4097.
initiation factor 1, initiation factor 2, initiation factor 3 2739.
ligands interaction tetrahydrofolate dehydrogenase, Streptococcus faecium 11193.
Lysobacter enzymogenes α-lytic proteinase, active sites, histidine residues 11158.
measurement, Escherichia coli, pH, intracellular levels, homeostasis 2650.
Microbacterium ammoniaphilum, glutamate, biosynthesis, characterization 5735
mycinamicins 7747.
nitrite reductase interaction nitrite, Pseudomonas aeruginosa 11202.
nitrogenase molybdenum-iron protein magnetic susceptibility, Azotobacter vinelandii 8518.
2-oxoglutarate dehydrogenase multienzyme complexes, structure, Escherichia coli 11155.
pactamycin, structure, Streptomyces pactum biosynthesis 9921.
penicillins, cephalosporins, structure 7716.
phosphocarrier protein, Streptococcus lactis, Streptococcus faecalis, Bacillus subtilis, Escherichia coli 7526.
phosphorus-31, photophosphorylation, Chromatium vinosum 11027.
purification lactose operon DNA, plasmids 11293.
pyruvate dehydrogenase, Escherichia coli 9781.
pyruvate dehydrogenase (lipoamide) multienzyme complexes, chymotrypsin proteolysis, Bacillus stearothermophilus 11168.
reaction centers, photosynthesis, bacteria 12481.
ribosomal protein L11, tertiary structure, Escherichia coli 2707.
ribosomal protein S7, secondary structure, tertiary structure, Escherichia coli 4815.
RNA polymerase interaction ATP, Escherichia coli 4825.
rRNA 16S 3'-terminus base stacking, Escherichia coli 7522.
tRNA Val conformational analysis, Escherichia coli 6585
L-serine O-sulfate inactivation glutamate decarboxylase, Escherichia coli 11192.
spin-labelling lac-repressor, Escherichia coli 4816.
Streptomyces, subtilisin inhibitors, conformational analysis 3919.
structure, antibiotic TM-531B, antibiotic TM-531C, Streptomyces hygroscopicus, biosynthesis 2972.
structure, cephalosporins 7717
structure cyclic AMP receptors proteins, cyclic AMP binding effects on, Escherichia coli 4839
structure, 1-hydroxyauramycin, 1-hydroxysulfamycin 12914.
studies, microorganisms, lignin degradation 7435.
subtilisin inhibitor, tryptophan residues, Streptomyces albogriseolus 7574.
tetrahydrofolate dehydrogenase, complex, NADP$^+$, Lactobacillus casei 7553.
thymidylate synthase active sites, Lactobacillus casei 9737.
trimethoprim binding tetrahydrofolate dehydrogenase, Lactobacillus casei 5748.
unfolding tRNA Phe, yeasts, tRNA fMet, Escherichia coli 4811.
urocanate dehydratase, mechanisms, Pseudomonas putida 7584.
urocanate hydratase mechanisms, Pseudomonas putida 3977.
N,N'-Bis(dodecyldimethyl)-1,2-ethane diammonium dibromide,
antibacterial activity, Staphylococcus aureus, oxidative phosphorylation 2686.
N,N'-Bis-(4-azidobenzoyl) glutathione disulfide,
photoaffinity labelling glutaredoxin, Escherichia coli 12553.
N$^{\alpha}$-Carbobenzoxy-L-pyroglutamyl chloromethyl ketone,
inactivation, pyroglutamyl amimopeptidase, Bacillus amyloliquefaciens 3955.
N,N'-Dicyclohexylcarbodiimide,
effects on Mycoplasma gallisepticum adherence, erythrocytes 10962.
N^1-Phenylsulfanilamide,
ionization, conformational analysis, antibacterial activity 434.
N^1-Phenylsulfanilamides,
conformational analysis, antibacterial activity 1768.
N2-(3',4'-trimethylene phenyl)guanine,
inhibition Bacillus subtilis DNA polymerase III 7621.
NAD(P)$^+$ nucleosidase,
Streptomyces griseus, regulation, leukemomycin, biosynthesis 2960.
NAD,
metabolism, enzymes, role, Vibrio cholerae 5765.
NAD$^+$,
binding, kinetics, role aldehyde dehydrogenase mechanisms, Escherichia coli 7572.
binding 20β-hydroxysteroid dehydrogenase, Streptomyces hydrogenans 7604.
NAD$^+$ nucleosidase,
hydrolysis, kinetics, catalysis, enterotoxins, Staphylococcus aureus 4231.
NADH,
effects on cytochrome b, reduction, chromatophores, Rhodospirillum rubrum 1415.
NADH dehydrogenase,
incorporation membrane vesicles, Escherichia coli 4902.
isolation, characterization, membranes, Rhodopseudomonas capsulata 1552.
Pseudomonas arvilla, iron-sulfur centers, reconstitution, activity 6648.
NADH reductase,
substrate specificity, Beneckea harveye 9759.
NADP$^+$,
complex, tetrahydrofolate dehydrogenase, N.M.R., Lactobacillus casei 7553.
NADP$^+$ reductase,
8-hydroxy-5-deazaflavin analogs substrate specificity, Methanococcus vannielii 8574.
NADPH reductase,
substrate specificity, Beneckea harveye 9759.
Naegleria,
isoenzymes comparison 12680.
Naegleria lovaniensis,
interaction, Legionella pneumophila, mixed culture, food sources 13460.
Nafcillin,
antibiotic resistance, endocarditis, Staphylococcus epidermidis, clinical aspects, man, case reports 7214.
Bacillus subtilis antibiotic tolerance, role proteinase, extracellular enzymes 7822.
clinical trials, treatment, osteomyelitis, staphylococcus aureus, children 9309.
disc-diffusion test, identification, Pasturella multocida clinical isolates 3777.
Staphylococcus aureus, antibiotic resistance 11441.
treatment, endocarditis, Staphylococcus aureus, children, case reports 11946.
treatment, soft tissue infection, infants, Haemophilus influenzae type b 2179.
Nails,
pathology, chromonychia, Pesudomonas aeruginosa, man, case reports 2262.
Naja naja,
cobra venom factor, effects on, rats, immune response, Listeria monocytogenes 5206
Naja naja atra,
cobra venom factor, effects on Galleria mellonella immunity, infection,

Naja naja atra, (continued)
  Pseudomonas aeruginosa, Proteus mirabilis 3192.
Naja oxiana,
  ribonuclease, enzymes sensitivity, mediation, Escherichia coli elongation factor Tu, association, aminoacyl-tRNA synthetase 4828.
Nalidixic acid,
  analogs, antibacterial activity, gram-negative bacteria 10031.
  +antibiotic FR-31564, antibiotic synergism, antibacterial activity, gram-negative bacteria 2997.
  Bacillus subtilis sporulation inhibition 7419.
  comparison, cinoxacin, treatment, urinary tract infection, man 9159.
  +cotrifamol, treatment, urinary tract infection, children 2075.
  derivatives, antibiotic DL-8280, antibacterial activity 11455.
  DNA biosynthesis, inhibitors, damage, Photobacterium leiognathi 7486.
  drug resistance, Enterobacteriaceae, relationship, treatment, urinary tract infection, man 1787.
  drug resistance, Escherichia coli, role, DNA-unwinding protein, gyrB gene, gene mapping 3108.
  drug resistance, R factors, role, Escherichia coli 286.
  drug sensitivity testing, Escherichia coli, Proteus mirabilis, Klebsiella 4169.
  effects on, Escherichia coli, plasmid pBR322, gene expression, DNA gyrase 2942.
  Escherichia coli, Klebsiella, drug resistance 384.
  Pseudomonas aeruginosa, drug resistance, role, chromosome aberrations, gene mapping 10057.
  Salmonella, antibiotic resistance 9996.
  treatment, bacteria urinary tract infection, man 11821.
  treatment, cystitis, gram-negative bacteria, man 4431.
  treatment, shigellosis, man 837.
  treatment, urinary tract infection, bacteria, man 3397.
  treatment, urinary tract infection, man 13194.
Naloxone,
  treatment, endotoxin shock, Escherichia coli endotoxins, dogs 1832.
Nannocystis exedens,
  geosmin biosynthesis, soil odor 2840.
Naphthalene,
  biodegradation, Pseudomonas, bacteria, soil isolates, nitrogen sources, effects on 2662
  catabolism, Pseudomonas 114.
  metabolism genes, gene mapping, restriction endonuclease mapping, plasmid nah 7 11307.
  metabolism, Pseudomonas putida, role, plasmids, chromosomes 283.
  metabolism, relationship plasmids, Pseudomonas 5862.
  oxidation, role naphthalene dioxygenase components, Pseudomonas strains 5668.
Naphthalene dioxygenase,
  components, oxidation naphthalene role, Pseudomonas strains 5668.
Naphthalenesulfonic acid,
  catabolism, Pseudomonas 114.
Naphthalenesulphonate,
  Pseudomonas, biodegradation 2645.
Naphthocyanidine,
  antibacterial activity, gram-negative bacteria 7809.
  Streptomyces griseoplanus, isolation, structure, antitumor activity 11364.
Naphthyridinomycin,
  antibacterial activity, inhibition, DNA biosynthesis, characterization 8824.
Narbomycin,
  structure 365
Narcotics,
  addicts, endocarditis, clinical aspects, treatment, geographical variations, man 2323.
Nasal infection,
  Chlamydia trachomatis, neonates, association, cervix, infection, man, pregnancy, incidence 2190.
  Haemophilus influenzae, influenza A virus, experimental infection, synergism, neonates, rats 2346
  Pseudomonas aeruginosa, immune response, leukocytes (neutrophilic), role, mice 6086.
Nasal microflora,
  man, incidence, Staphylococcus aureus 13072.
  Staphylococcus aureus carriers, man 3270.
Nasapharynx,
  infection, antibiotics treatment, man, conferences 13542.
Nasopharynx,
  Branhamella catarrhalis, association, cough, children 1992.
  Branhamella catarrhalis isotation, laryngitis, man 5299.
  food industry, personnel, isolation, Staphylococcus aureus, enterotoxins, carriers 11516.
  man, disease transmission, meningitis, Neisseria meningitidis group A polysaccharides vaccines effects on 9032.
  mucus, colonization adherence, Streptococcus pneumoniae, children 9602.
  Staphylococcus, infection carriers, treatment, rifampicin, man 2008.
  Streptococcus adherence, children 9566.
  Streptococcus pneumoniae carriers, antibody response, infants, man 3200.
  viruses isolates, association, Haemophilus influenzae meningitis, children 5336.
Natural killer cells,
  activation, Lactobacillus plantarum, adjuvanticity, immune response, mice 10221.
  cell-mediated cytotoxicity, bacteria infection 6899.
  characterization, Listeria monocytogenes infection, mice 4313.
  immunosurveillance, tuberculosis, man 8983.
  Vibrio cholerae toxins effects on activity, mice 4243.
N2-(p-n-butylphenyl)guanine,
  inhibition Bacillus subtilis DNA polymerase III 7621.
N,N-Dicyclohexylcarbodiimide,
  adenosinetriphosphatase, structure, X-ray scattering, Escherichia coli 6647.
N,-N-Dimethyl-1-methyldodecylamine oxide,
  antibacterial activity, cytolysis, cell membranes 10937.
  cytolysis, Saccharomyces cerevisiae, fungi 10937.
N,N-Dimethylglycine,
  biosynthesis, Eubacterium limosum, use, betaine 4071.
Necrobacillosis,
  association, hemoglobinuria, cattle, juveniles 5456.
Necrosis,
  association, Legionella pneumophila supernatants cytotoxicity, thermal stability, mice 11522.
  kidney, association, pyelitis, urinary tract infection, man, case reports 9155.
  leaves, stalks, Allium cepa, Erwinia herbicola 10743
  Pseudomonas glycinea infection, inhibition, blacticidin S, disease resistance,
Necrosis, (continued)
  Glycine max 2404.
  spleen, Clostridium peritonitis, association, pneumoperitoneum, dogs, case reports 2354.
Necrotizing enterocolitis,
  neonates, man, association, heart catheterization 10360.
  neonates, man, nosozomial infection, Staphylococcus epidermidis, Pseudomonas aeruginosa, Clostridium perfringes type C, Clostridium butyrizum, Bacillus cereus 7992.
  pathogenesis, treatment, man 10368.
Necrotizing fasciitis,
  Streptococcus, Staphylococcus, treatment, clinical aspects, bacteriology, man 2259.
Necrotizing ulcerative gingivitis,
  diagnosis, Gram stain, man 3329.
Negamycin,
  antibiotic resistance, Escherichia coli mutants 11430.
  treatment, Pseudomonas aeruginosa keratitis, animal models, man 13318.
Neisseria,
  adherence, role, pathogenesis, fallopian tube mucosa, man 11825.
  antibacterial activity, cefodizime 6809.
  antibacterial activity, cefoperazone 9970.
  cefoperazone, antibacterial activity, antibiotic sensitivity testing 7786.
  clinical aspects, diagnosis, identification, methodology 10905.
  clinical isolates, antibacterial activity, rocephin 5060.
  clinical isolates, antibacterial activity, temocillin 11408.
  clinical isolates, identification, carbohydrates utilization tests 1304.
  dental plaque, rats, trace elements, drinking water, effects on 732.
  eye diseases 6852.
  identification, agglutination 2552.
  identification, carbohydrates biodegradation 2553.
  identification, Phadebact test, media (culture) 7383.
  killing, association, complement C9 immunodeficiency, man, case reports 5225.
  media (isolation), oral cavity, man 9505.
  meningitis, man, case surveys 3407.
  oral infection, man, antibiotics treatment 10305.
  population composition, dental plaque, Macaca fascicularis 2345.
  respiratory tract isolates, isolation, media (selective), vancomycin+trimethoprim 3753.
  strains, animal isolates, identification 8348.
Neisseria gonorrhea,
  cefmetazole, antibacterial activity 8775.
Neisseria gonorrhoeae,
  abdominal diseases, characterization, diagnosis, treatment 13311.
  adherence, association, respiratory tract infection, man, animal models 10319.
  agglutination tests, chelating agents 1311.
  anorectal infection, homosexuality, man 5345.
  antagonism, genitourinary tract microflora, man, in vitro 2426.
  antibacterial activity, antibiotic BRL 17421, in vitro, in vivo, man 348.
  antibacterial activity, cefmenoxime, cefotaxime, cefoxitin, penicillin, comparison, in vitro 3006.
  antibacterial activity, cefmenoximine 6810.
  antibacterial activity, cephalosporins 1727.
  antibacterial activity, cephalosporins, chloramphenicol, erythromycin, spectinomycin, penicillinase 5050.
  antibacterial activity, Chloramphenicol, thiamphenicol 12915.
  antibacterial activity, erythromycin, Lubomycin B, treatment, gonorrhea, man 5095.
  antibacterial activity, tetracycline, penicillin, cefuroxime, rosoxacin 418.
  antibiotic resistance, ampicillin, plasmids, association, transposon Tn2301, characterization 5877.
  antibiotic resistance, drug resistance, in vitro 8802.
  antibiotic resistance, genetic relationship, serotypes specificity 12743.
  antibiotic Ro 13-9904, antibacterial activity 344.
  antibiotic sensitivity testing 5118.
  antibiotic sensitivity testing 7766.
  antibiotic sensitivity testing, agar dilution test, agar diffusion test 6776.
  antibiotic sensitivity testing, penicillin, ampicillin, spectinomycin, minocycline, chloramphenicol, erythromycin, cotrimoxazole, cefotiam 1728.
  antibiotic sensitivity testing, penicillin, disc-diffusion test 350.
  antibiotic sensitivity testing, tetracycline, erythromycin, septrin, spectinomycin, ampicillin, benzylpenicillin, cephaloridine, streptomycin, Nigeria 1731.
  arthritis, children, case reports 924.
  arthritis, clinical aspects, reviews, man 9240.
  arthritis, diagnosis, pathology, man 3512.
  arthritis, diagnosis, treatment, antibiotics, man 925.
  association, urethra strictures, man, case reports, Nigeria 2161.
  auxotrophs, transformation, prototrophs, genetic markers 1620.
  Bacteroides fragilis, Eubacterium limosum, inhibition, growth, antibiosis, in vitro 13459.
  balanoblennorrhea, association, urine, retention, man, case reports 4449.
  benzyl penicillin, effects on, ultrastructure, electron microscopy 8770.
  benzylpenicillin, effects on, peptidoglycans, fragments, characterization 1462.
  carriage, throat, man 918.
  carriers, females, man 13237.
  catalase, enzymatic activity, comparison, differentiation, Neisseria 10887.
  cell membranes antigens, virulence, antibodies effects on 5198.
  cell surface, lipopolysaccharides, interaction, lectins, plants, Pyocin 103, Pseudomonas aeruginosa 2831.
  cells, use, enzyme-linked immunosorbent assay, detection, gonorrhea antibodies, man 505.
  cephalosporins, antibacterial activity 5911.
  Chlamydia trachomatis, mixed infection, genitourinary tract, treatment, cefuroxime, children, case reports 2151.
  clinical aspects, diagnosis, identification, methodology 10905.
  clinical isolates, antibiotic resistance, acrosoxacin 8796.
  clinical isolates, antibiotic resistance, penicillin 7829.
  clinical isolates, antibiotic sensitivity testing 11382.
  clinical isolates, colonial characteristics, sex hormones effects on 10934.
  clinical isolates, identification, laboratories 3782.
  clinical isolates, identification methodology, immunofluorescence, comparison, agglutination 8913.
  clinical isolates, identification, Phadebact test 3785.
  clinical isolates, inhibition, vancomycin+Martin-Lewis medium, association, susceptibility, plasmids charactrization 7376.

Neisseria gonorrhoeae, (continued)
clinical isolates, media (transport), association, osmotic pressure, nutrient sources 7356
clinical isolates, penicillin, antibiotic resistance, role penicillinase 7828.
clinical isolates, penicillinase, antibiotic resistance, antibacterial activity, cefotaxime, ceftizoxime 1725
clinical trials, antibiotic resistance, diffusion tests 11436.
complement serum, antibacterial activity, plaques immunoassays 11533.
cystein biosynthesis, role thiosulfate reductase 7593
detection, lactaldehyde reductase (NADPH) immobilized enzymes, antibodies, U.V. radiation fluorescence 9805
dihydrofolate synthetase, inhibition, dihydropleroate, dihydrofolate 6624.
disseminated infection, clinical aspects, relationship, serum resistance, man 930
endocarditis, association, hypoplasia, diagnosis, echocardiography, case reports, man 7098
epidemiology, disease transmission, man 920.
epidemiology, serotyping, auxotrophy typing, man, Sweden 33.
epididymitis, treatment, man 13233.
erythrocytes receptors, man, detection, concanavalin A, lectins, effects on 1359.
extracts, induction, leukocytes chemotaxis, skin inflammation, Schwartzman reaction 8878
eye diseases, inflammation, man, case reports 7187.
finger lesions, man, case reports 3436
L form, penicillin effects on 12899
gonorrhea, ampiox treatment, clinical aspects, man, children 10437
gonorrhea, antibiotic resistance, man 10006
gonorrhea, association, Chlamydia trachomatis, treatment, rosoxacin, antibacterial activity, man 2177
gonorrhea, association, genitourinary tract inflammatory diseases, incidence, females, man 2160
gonorrhea, association, penis abscesses, treatment, man 2147.
gonorrhea, bacampicillin treatment, man 13226
gonorrhea, cefotaxime treatment, man 6244.
gonorrhea, cervix secretions, Limulus lysate test, detection, man 2163
gonorrhea, clinical aspects, diagnosis, treatment, man 11856
gonorrhea, clinical isolates, colonial characteristics, man 1367.
gonorrhea, diagnosis, epidemiology, treatment, man, reviews 2156.
gonorrhea, diagnosis, man 4447
gonorrhea, diagnosis, man 9182.
gonorrhea, diagnosis, sex differences, man 2136
gonorrhea, disease control, clinical manifestations, man, reviews 2166.
gonorrhea, epidemiology, man, Greece 909
gonorrhea, epidemiology, mathematical models, man 10438
gonorrhea, immune response (humoral), man 545
gonorrhea, immunodiagnosis, radioimmunoassay, enzyme-linked immunosorbent assay, man 11527
gonorrhea, incidence, serotypes, antibiotic sensitivity testing, homosexuals, man 2138
gonorrhea, lymphadenopathy, man 13246
gonorrhea, lymphocytes B, lymphocytes T, levels, females, man 6247.
gonorrhea, pathogenesis, man, reviews 8024
gonorrhea, pathology, fetuses, man 7078
gonorrhea, penicillinase, Singapore, man, epidemiology 2169
gonorrhea, pharynx, man, case surveys 5303
gonorrhea, prophylaxis, vaccines, man 3257.
gonorrhea, relationship, sexual behavior, incidence, man 7086
gonorrhea, rosoxacin, dose-response effects, females, man 7083
gonorrhea, screening, man, females 5350
gonorrhea, screening, relationship, prophylaxis, pregnancy, man, Malaysia 927.
gonorrhea, spectinomycin treatment, man 11855
gonorrhea, spectinomycin treatment, man 13225
gonorrhea, treatment, biseptol-480, females, man 2145
gonorrhea, treatment, ceftriaxone, man 11853
gonorrhea, treatment, doxycycline, man 928
gonorrhea, treatment, epidemiology, man, case surveys, British Isles 8028
gonorrhea, treatment, jenacillin A, probenecid, man 2171
gonorrhea, treatment, man 9183
gonorrhea, treatment, man, reviews 13224.
gonorrhea, treatment, piperacillin, comparison, penicillin, man 8026
gonorrhea, treatment, rifampicin, man 5346.
gonorrhea, treatment, tetracycline, doxycycline, man 13229
gonorrhea, urethritis, diagnosis, immunoprecipitation, man 13249
gonorrhea, vulvovaginitis, epidemiology, man, Africa 2173.
growth, cefotetan, antibacterial activity 5926
growth, dissemination, tampons composition effects on, man 8027
growth inhibitors, production, Staphylococcus 9707
identification, agglutination, tests, in vitro 1292.
identification, carbon sources utilization, comparison, fluorescent antibody test, agglutination 3787.
identification, penicillinase interference fluorescent antibody test 11531
identification, Phadebact test 3429.
identification tests comparison, fermentation methodology, Phadebact test 7387
immunoglobulin A proteinase, characterization, role, infection, man 9728
infection, children, pharynx 11697.
infection, clavulanic acid, amoxicillin, treatment, man 10410
infection, diagnosis, treatment, man, females 4448
infection, man, gonorrhea, characterization 9185.
infection, man, incidence, Korea 13244
infection, man, meningitis, moxalactam treatment 9168.
infection, man, sexually-transmitted diseases, drugs treatment, reviews 11859
infection, penicillinase, surveys, man, USA 2162
infection, relationship, Streptococcus group B incidence, rectum, man 829
infection, treatment, ampicillin, rabbits 3425
infection treatment, cervix, adolescence, 933
intracellular killing, chemiluminescence, leukocytes (neutrophilic) 6909
isolates, pelvic inflammatory disease, antibacterial activity, β-lactam antibiotics 390.
isolation, antibiotic resistance, penicillin, penicillinase, production 11442.
isolation, man, penicillinase biosynthesis 13240
β-lactam antibiotics antibiotic resistance, role peptidoglycans 8810
β-lactam antibiotics, competition, penicillin-binding protein 3025.
lipopolysaccharides, antigenic characteristics, monoclonal antibodies 6056.
lipopolysaccharides, antisera production, rabbits 12994
lipopolysaccharides, phenotyping 6478.
lipopolysaccharides, toxicity, host specificity, association, oviduct mucosa, man 10124.
man, urethritis, non-specific urethritis, diagnosis, Limulus lysate test 2140.
media (culture), brain heart infusion, growth conditions, methodology 12205.
media (culture), detection, hydrogen peroxide 2522.
media (culture), transport 4656.
media (isolation) 4654.
media (isolation), hemoglobin 1262.
media (selective) 2509.
media (selective), vancomycin, effects on, antibiotic sensitivity testing 6817.
membrane protein, radioiodination 7527.
membrane proteins, purification, peptide mapping 4841.
methyladenine, DNA, incidence, association, auxotrophy 5705.
mutants, lipopolysaccharides, isolation, antigenic characteristics 6669.
myositis, muscles, diagnosis, man, case reports 1019.
Neisseria meningitidis, gonorrhea, seroepidemiology, sexually-transmitted diseases, homosexuality, man 10435.
outer membranes, association, viability, guinea-pigs, experimental infection 5603.
outer membranes, membrane proteins, leukocytes (neutrophilic) proteinase effects on 541.
outer membranes, permeability, association, mtr loci, isolates, homosexuality, man 8378.
pelvic inflammatory disease, man, cefotaxime treatment 7079.
pelvic inflammatory disease, treatment, lymecyclin, lincomycin, man 3403.
penicillin antibiotic resistance, isolation, penicillinase biosynthesis, USA, Florida 1754.
penicillin antibiotic resistance, plasmids, transformation 5944.
penicillin G resistance, disc-diffusion test 8805.
penicillin sensitivity tests, treatment, association, man, serum 9974.
penicillinase biosynthesis, antibiotic resistance, penicillins, plasmids characterization, Canada 276.
penicillinase biosynthesis, disseminated infection, man, case reports 2144.
penicillinase biosynthesis, isolation, Saudia Arabia 2785.
penicillinase biosynthesis, plasmids characterization, disease spread, British Isles 12235.
penicillinase, detection, use, pyridinium-2-azo-p-dimethylaniline chromophore 8268.
penicillinase, genes homology Enterobacteriaceae 6705.
penicillinase, inhibition, clavulanic acid+amoxycillin, antibacterial activity 4173.
penicillinase plasmids, restriction endonuclease mapping 12836.
penicillinase positive, incidence, Canada 5364.
penicillinase production, gonorrhea, man, surveys, France 13243.
penicillinase production, gonorrhea, pharynx, treatment, man 8029.
penicillinase production, urethritis clinical isolates, man, Zambia 9192.
penicillinase productivity, association urethritis man, ampicillin treatment 6245.
penicillinase, serotyping, antibiotic sensitivity testing, agar dilution test 3058.
peptidoglycans biosynthesis, susceptibility, proteinase, β-lactam antibiotics, effects on 1565.
peptidoglycans effects on complement, serum, man 5799.
phagocytosis, macrophages, role, Fc receptors 1876.
phenotypes, colonial characteristics, in vitro 8394.
phenotypes, factors affecting, resistance, serum, man, in vitro 12954.
pili, antigenic characteristics, relationship, infection, experimental infection, guinea-pigs 1856.
pili, antigenic variants 8925.
pili, cell walls, antigenic characteristics 3185.
pili, membranes vesicles, purification, affinity chromatography, methodology 12227
pili, morphology, amino acid composition, antigenic characteristics 1344.
plasmid pJB1, penicillinase, characterization, comparison, Haemophilus ducreyi, Haemophilus parainfluenzae 2946
plasmids characterization, gonorrhea epidemiology, man, British Isles 13242.
plasmids, characterization, transfer 12847.
plasmids, penicillinase, transfer, Haemophilus influenzae, Escherichia coli, transient survival 2912.
porins, outer membranes, membrane vesicles 2728
preservation, gelatin disc drying method, media (transport) 6454.
protein I content, colonial characteristics, relationship, serum effects on 3230
protein I, protein III, peptide mapping, antigenic determinants 9698
protein III, peptide mapping, structure 8550
proteins antigens, outer membranes, immunoprecipitation 6889
ribosomes, vaccination, immunity, guinea-pigs 10248
role, proctitis, males, homosexuality 5324
salpingitis isolation, nutrient requirements, antibiotic sensitivity testing, 915
serotyping, agglutination, epidemiology, man, Sweden 36.
serotyping, agglutinins, distribution 6045
serotyping, protein I antigens, comparison, agglutination, enzyme-linked immunosorbent assay 8900.
serum resistance, induction, culture (media) 5986
sexually-transmitted diseases, females, man, British Isles, surveys 2150.
sexually-transmitted diseases, man, Spain, surveys 2146.
skin infection, diagnosis, treatment, man 10289.
survival antigenic determinants, association leukocytes (polymorphonuclear) 13005
temperature effects on growth 12459
urethra isolation, copper effects on, in vitro 1777.
urethritis, association, abscesses, tysonitis, treatment, pathology, man, case reports 922.
urethritis, diagnosis, limulus lysate test, homosexuality, man 6215.
urethritis, differential diagnosis, non-specific urethritis, man, 13230
urethritis, man, case reports, Malaysia 6246
urethritis, tetracycline treatment, man 13228.
urethritis, treatment, bicillin, man 2168.
urethritis, treatment, piperacillin, benzylpenicillin, comparison, man 3420
vaccination, pili, immunity, guinea-pigs 10267.
variants, antimicrobial agents, susceptibility 10050.
virulence, gonorrhea, comparison, toxic shock syndrome, adolescents, man 10441

Neisseria lactamicus,
catalase, enzymatic activity, Neisseria gonorrhoeae, comparison, differentiation 10887

Neisseria meningitidis,
- antagonism, genitourinary tract microflora, man, in vitro 2426.
- antibacterial activity, rosaramicin 368.
- antibiotic sensitivity testing, drug sensitivity testing, sulfadiazine 325.
- antigens, vaccines methodology, vaccination, man, epidemiology 10252.
- antisera, antibodies, heavy chains, identification, horses, in vitro 4273.
- arthritis, meninges, diagnosis, clinical aspects, man 7209.
- bacteremia, association, hypogammaglobulinemia, case reports, man 940.
- bacteremia, association, vertebrae puncture, relationship, meningitis, children 6234.
- bacteremia, bone, pathology, children, case reports 2197.
- bacteremia, role, fever, children 963.
- catalase, enzymatic activity, Neisseria gonorrhoeae, comparison, differentiation 10887.
- clinical aspects, diagnosis, identification, methodology 10905.
- combined vaccines, Clostridium tetani, vaccination, man 656.
- endotoxins, benzylpenicillin effects on morphology, electron microscopy 5912.
- endotoxins, Limulus lysate test, assays 12965.
- endotoxins, release, passage effects on 1809.
- epidemiology, disease transmission, man 920.
- epidemiology, family studies, man 2251.
- etiology, aseptic meningitis, man, case reports 7068.
- growth, binding, immunoglobulins, serum, man, effects on 4283.
- growth, Mueller-Hinton agar, γ radiation sterilization 3762
- identification, carbon sources utilization, comparison, fluorescent antibody test, agglutination 3787.
- immune response, mice 1902.
- immunoelectrophoresis, diagnosis, meningitis, man 7381.
- immunoglobulin A proteinase, characterization, role, infection, man 9728.
- infection, association, immunodeficiency, leukocytes (neutrophilic) stimulation, role, antibodies, complement, children 3206.
- infection, association, splenectomy, man, case reports 5409.
- infection, association, systemic lupus erythematosus, children, case reports 3502.
- infection, blood, relationship, disease transmission, man 2309.
- infection, incidence, pathology, man, Spain 5422.
- infection, man, association laboratories 8018.
- infection, man, association peritonitis, case reports 7994.
- infection, man, treatment, kanamycin, meningitis 10419.
- infection, mice, enhancement, iron 1085.
- infection, mortality, man, British Isles, surveys 7153.
- infectious diseases, diagnosis, counter immunoelectrophoresis, latex agglutination, man 8908.
- iron starvation, iron binding, uptake 1396.
- isolation, media (culture), blood culture gels 6453.
- isolation, sputum, man 4356.
- β-lactam antibiotics, antibacterial activity, characterization 8765.
- lipopolysaccharides, antigenic characteristics, monoclonal antibodies 6056.
- meningitis, amino acids levels, cerebrospinal fluid, children 9175.
- meningitis, association, cerebrospinal fluid ceftriaxone levels, bactericidal activity, man 11845.
- meningitis, association, complement deficiency, children, siblings, case reports 988
- meningitis, association, pericarditis, man, case reports 894.
- meningitis, bacteremia, symptoms, children, case reports 2275.
- meningitis, diagnosis, association, cerebrospinal fluid lactate content, man 11836
- meningitis, diagnosis, Gram stain, man 3409.
- meningitis, diagnosis, latex agglutination, cerebrospinal fluid, man 11838.
- meningitis, diagnosis, latex agglutination, counter immunoelectrophoresis, man 903
- meningitis, diagnosis, lumbar puncture, infants, man, case reports 3408.
- meningitis, diagnosis, treatment, man 9171.
- meningitis, empyema complications, treatment, infants, man, case reports 7057.
- meningitis epidemics, incidence, maltose negative variants, man, Spain 3404.
- meningitis, etiology, infants, reviews 2131.
- meningitis, incidence, man, South Africa 2125.
- meningitis, latex agglutination, , Streptococcus pneumoniae 2110.
- meningitis, neonates, infants, diagnosis, treatment 7061.
- meningitis, outbreaks, disease control, man, USA, Alaska 11834.
- meningitis, prophylaxis, man, case reports 896.
- meningitis, prophylaxis, man, reviews 11980.
- meningitis, prophylaxis, rifampicin, ± minocycline, man, Arctic 3410.
- meningitis, recurrent infection, association, complement C6 immunodeficiency, man, case reports 906.
- meningitis, serotypes incidence, man, British Isles 11835.
- meningitis, susceptibility, immunogenetics, man, family studies 10185.
- meningitis, treatment, man 2114.
- meningitis, treatment, prophylaxis, man 2118.
- morphology, growth, penicillin G effects on 349.
- moxalactam± penicillins, antibacterial activity 5922.
- Neisseria gonorrhoeae, seroepidemiology, sexually-transmitted diseases, homosexuality, man 10435.
- osteomyelitis, children, case reports 6282.
- outer membranes extracts 11594.
- pathogenicity mechanisms, characterization 10551.
- penicillin effects on morphology 12902.
- pericarditis, infants, man, case reports 9288.
- pili, adherence, electron microscopy 10947.
- pneumonia, complications, measles, man 3330.
- pneumonia, nosocomial infection, epidemiology, man, case reports 793.
- polysaccharides, coupling, Clostridium tetani toxoids, use, vaccines, vaccination, mice 5252.
- polysaccharides, detection, enzyme-linked immunosorbent assay, immunoglobulin M, immunoglobulin G 12993.
- polysaccharides, enzyme-linked immunosorbent assay, detection, antibodies, serum, man 6033.
- polysaccharides, vaccines, clinical trials, immunological aspects, man 6121.
- pyocin typing 7388.
- sepsis, endophthalmitis association, pathogenesis, immunity, man, case reports 11586.
- sepsis, pathology, children, case reports 2215.
- septic shock, association, lung edema, children 951
- septicemia, meningitis, factors affecting, military personnel, man 12028.
- septicemia, presentation, gastroenteritis, treatment, man, case reports 3483.
- sialic acid, esterification, immunoelectrophoresis 5792.

Neisseria meningitidis, (continued)
- sulfonamides drug resistance, passage effects on 1790.
- tonsillitis, treatment, rifamycin, man, case reports 791.
- transmission (sexual), man 8025.
- vaccination, adolescents, reviews 611.
- vaccination, immune response, children, man 4326.
- vaccination, immunoglobulin A, immunoglobulin G, serum levels, man 10246.
- vaccines, capsules polysaccharides, immune response, man 6129.
- virulence, role iron, mice 13009.

Neisseria meningitidis group A,
- polysaccharides vaccines, man, meningitis, effects on disease transmission, nasopharynx 9032.

Neisseria meningitis,
- meningitis, clinical aspects, infants, case reports 6239.

Neisseria mucosa,
- commensals, endocarditis, pathogenicity, association, skin, reviews, case reports, man 9297.
- endocarditis, treatment, man 3498.

Neisseria sicca,
- bacteremia, immunocompromised hosts, man, case reports 948.

Neisseria subflava,
- catalase, enzymatic activity, Neisseria gonorrhoeae, comparison, differentiation 10887.

Neisseriaceae,
- taxonomy 8303.

Nemacystus decipiens,
- fucoidan, biodegradation, Vibrio, identification, coastal environments, Japan 42.

Nematoda,
- Medicago sativa, wound infection, Pseudomonas viridiflava, Pseudomonas corrugata, Pseudomonas marginalis 7297.

α-Neo-endorphin,
- genetic engineering, use Escherichia coli plasmid pK013 4137.

Neoaplectana,
- symbiosis, Xenorhabdus, functional morphology, dimorphism 6387.

Neoaplectana carpocapsae,
- immunity effects on Xenorhabdus nematophilus symbionts 4598.

Neolaiturus fenestratus,
- disease transmission, Microplasma phyllody, Carthamus tinctoria 12097.
- role, Mollicutes transmission, Carthamus tinctorius infection 7295.

Neomycin,
- analogs, antibacterial activity 315.
- antibiotic resistance, Bacillus thuringiensis, Bacillus popilliae, detection, mutation frequency 4113.
- antibiotic resistance, Staphylococcus aureus 380.
- antibiotic resistance, Streptococcus agolactiae, Staphylococcus aureus, mastitis isolates, cattle 10019.
- antibiotic sensitivity testing, Mycobacterium fortuitum 6787.
- antibiotics treatment, Escherichia coli infection, pigs digestive tract 6202.
- biosynthesis, effects on protein biosynthesis, Streptomyces fradiae 1466.
- effects on, bile acids conversion, Bacteroides, intestinal microflora, in vitro 6522.
- effects on, DNA biosynthesis, RNA biosynthesis, Escherichia coli, in vitro 11053.
- Mycoplasma, antibiotic resistance 3056.
- Mycoplasma, antibiotic resistance 3057.
- ± oxyterracin± streptomycin± chloramphenicol, antibiotic resistance, Escherichia coli, Salmonella, intestinal microflora, animals 3074.
- +polymyxin+gramicidin, comparison, trimethoprim+polymyxin, treatment, bacteria conjunctivitis, man 7185.
- +polymyxin, topical application, treatment, Pseudomonas aeruginosa, infection, ear, man 3336.
- prophylaxis, postoperative infection, association, neurosurgery, man 3510.
- Pseudomonas aeruginosa, antibiotic resistance, mechanisms, cytochromes levels association 9997.
- Salmonella typhimurium, Salmonella dublin, Salmonella cholerae-suis, Salmonella enteritidis, Salmonella gallinarum-pullorum, drug resistance 3115.
- Streptomyces fradiae, biosynthesis, antibiotic resistance, role, enzymes 3054.
- Streptomyces fradiae, biosynthesis, plasmids, analysis, ethidium bromide, acridine orange 11317.
- treatment, enteritis, cattle, juveniles 5480.

Neonates,
- Bacillus cereus, meningoencephalitis, pathology, man, case reports 4442.
- bacteria infection, association, surgery, sisomicin treatment 10629.
- cattle, colibacillosis, Escherichia coli, small intestine, ultrastructure, electron microscopy 6352.
- cattle, diarrhea, epidemics, mixed infection, coccidiosis+rotavirus+Escherichia coli 4590.
- cattle, diarrhea, Escherichia coli incidence, sulfonamide, +colistin treatment 11768.
- cattle, enteritis, Escherichia coli, etiology, prophylaxis, reviews 4568.
- cattle, Escherichia coli, diarrhea, intestinal microflora, redox potential 3614.
- cattle, Escherichia coli, immunization (passive) 9063.
- cattle, scours, Escherichia coli, pathology, disease control 10721.
- Chlamydia trachomatis, conjunctivitis, nasal infection, association, cervix, infection, man, pregnancy, incidence 2190.
- dogs, Staphylococcus aureus experimental infection, neutropenia, effects on leukocytes (neutrophilic), treatment blood transfusion leukocytes (granulocytic) 6376.
- germfree mice, cholera, experimental infection, pathology 822.
- gnotobiotics, Lactobacillus, intestinal microflora, establishment, maternal transfer, diets, fatty acid composition, effects on 1123.
- Haemophilus influenzae type c, meningitis, treatment, man, case reports 2121.
- horses, bacteria infection 10669.
- inclusion conjunctivitis, congenital infection, etiology, diagnosis, Chlamydia trachomatis 910.
- infection, transmission (transplacental), Mycoplasma pneumoniae, man 6297.
- man, abscesses, liver 961.
- man, antibiotics prophylaxis, meningitis, septicemia 10533.
- man, bacteria infection, diagnosis, nitroblue tetrazolium test 13273.
- man, bacteria infection, treatment, cefuroxime 8075.
- man, bacteria, infection, treatment, netilmycin 3443.
- man, body fluids, Streptococcus group B antigens, identification, latex agglutination 6874.
- man, Bordetella pertussis vaccination 637.
- man, Campylobacter fetus subsp.jejuni gastroenteritis, case surveys 3373.
- man, catheters, bacteria colonization 6295.
- man, Chlamydia trachomatis, congenital infection, epidemiology, treatment 9249.

Neonates, (continued)
man, Chlamydia trachomatis infection, reviews 4453
man, Citrobacter diversus, infection, central nervous system, symptoms, case reports 3406
man, clinical isolates, Streptococcus group B, penicillin antibiotic tolerance, characterization 3066.
man, Clostridium perfringens, septicemia, diagnosis, association, hemolysis, case reports 3466
man, conjunctivitis, Branhamella catarrhalis, diagnosis 2207
man, conjunctivitis, etiology, Staphylococcus 5426
man, cord blood, Chlamydia trachomatis infection, seroepidemiology 7045
man, diagnosis, Streptococcus group B infection 10482
man, Escherichia coli vaccination, antibody response 662.
man, feces, Bacteroides, detection, isolation 3261.
man, feeding regimens, colostrum effects on intestine bacteria proliferation 11655
man, Flavobacterium meningosepticum meningitis, case reports 7038.
man, glucose plasma levels, bacteria infection 10630.
man, gram-negative bacteria, endotoxemia, bacteremia, diagnosis, limulus lysate test, evaluation 1816
man, Haemophilus influenzae meningitis, penicillinase detection 886.
man, Haemophilus influenzae type c septicemia, case reports 8062.
man, hospitals, Serratia marcescens, infection, antibiotic resistance, chloramphenicol, streptomycin, tetracycline, ampicillin 3069.
man, infection, diagnosis, use hematology 10539.
man, infection, Streptococcus group G, association sepsis 10557.
man, intensive care units, nosocomial infection, risk factors, factors affecting 3542
man, intestine, intestinal microflora, association, Escherichia coli antigen K1, milk, serum 6053
man, josamycin, treatment, bacteria infection, respiratory tract, skin 10310
man, Klebsiella enteritis, epidemiology, antibiotic resistance, Italy 813.
man, Klebsiella pneumoniae bacteremia, association, breast milk contamination, hospitals 10538
man, leukocytes (mononuclear), leukocytes (polymorphonuclear), bactericidal activity, Streptococcus group B 3223
man, listeriosis outbreaks, Australia 3554
man, lysozyme levels, blood, umbilical cord, relationship, infection susceptibility, gram-negative bacteria 2290.
man, meningitis, Acinetobacter calcoaceticus var.anitratus, case report 13214.
man, meningitis, association, ventriculitis, case reports 3413
man, meningitis, brain abscesses, Proteus mirabilis, case reports 10423.
man, meningitis, Citrobacter diversus, outbreaks, hospitals, disease transmission 4443
man, meningitis, etiology, treatment, diagnosis 2115
man, meningitis, Pasteurella multocida, case reports 11841
man, necrotizing enterocolitis, association, heart catheterization 10360
man, necrotizing enterocolitis, nosozomial infection, Staphylococcus epidermidis, Pseudomonas aeruginosa, Clostridium perfringes type C, Clostridium butyrizum, Bacillus cereus 7992
man, nosocomial infection, bacteria, characterization 11878.
man, nosocomial infection, outbreaks, Serratia marcescens 2178
man, nosocomial infection, septicemia, epidemiology, intensive care units 972.
man, nosocomial infection, speticemia, meningitis, risk factors, etiology, disease control 11869
man, osteomyelitis, Citrobacter diversus, case reports 11898.
man, pericardium effusion, Mycoplasma hominis, case reports 7099
man, plague, Yersinia pestis, clinical aspects, diagnosis, case reports 2218.
man, pyopneumothorax, Staphylococcus aureus, Klebsiella, case reports 6184.
man, Salmonella panama meningitis, case reports 3418
man, sepsis, antibiotics treatment 7180
man, sepsis, bacteria, association, amniotic fluid, infection 11935
man, sepsis, detection methodology 10613
man, septicemia, antibiotic resistance, treatment, cephalosporins, +aminoglycoside antibiotics 7131.
man, septicemia, antibiotics treatment 7129
man, septicemia association thrombocytopenia 10556
man, septicemia, Bacteroides fragilis, Salmonella enteritidis, Saudi Arabia 3549
man, septicemia, Escherichia coli, Streptococcus group B, treatment plasmapheresis 6263.
man, Shigella infection 7100.
man, Streptococcus group B, colonization, incidence, family studies 4517.
man, Streptococcus group B infection, epidemiology, clinical aspects, diagnosis 11881
man, Streptococcus group B septicemia, endophthalmitis association, treatment 10625
man, Streptococcus group B septicemia, meningitis, treatment, long-term effects 11868.
man, Streptococcus mitis meningitis, septicemia, case reports 8011
man, tachycardia, association, sepsis 8064.
man, tetanus 7089.
man, tetanus, paralysis, case reports 6868
man, tetanus, treatment, diazepam 7070.
man, toxic epidermal necrolysis, Staphylococcus aureus, circumcision complications, antibiotics treatment 11676.
maternal transfer, Streptococcus group B, man 2085.
mice, animal models, cholera 11771.
mice, assays, detection, Aeromonas hydrophila enterotoxins 3120
mice, Campylobacter fetus subsp.jejuni colonization, gastrointestinal tract 1086.
mice, Clostridium difficile toxins, assays 5148.
milk, colostrum, antibody response, Escherichia coli, pigs 5235
nosocomial infection, gram-negative bacilli, risk factors, man 11924.
pigs, coccidiosis, isolation, Escherichia coli, viruses, Canada 8088
pigs, diarrhea, Escherichia coli, antibacterial activity, colostrum, immunity 4580.
premature, Escherichia coli clinical isolates, feces, epidemiology 11784.
rabbits, antibody response, lymphocytes stimulation, association, Haemophilus influenzae type b polysaccharides+proteins complex 3195.
rats, animal models, Streptococcus group B sepsis, immunoprophylaxis, leukocytes (polymorphonuclear) administration 5248
rats, bacteremia, Escherichia coli, strains, capsules, virulence 8942.
rats, Haemophilus influenzae meningitis, immune response, leukocytes (neutrophilic), macrophages, phagocytosis 8955.
rats, macrophages, role, immunity, Streptococcus group B infection 5211.
rats, nasal infection, experimental infection, Haemophilus influenzae, influenza A virus, synergism 2346.

Neonates, (continued)
rats, sepsis, leukocytes (neutrophilic) levels 13022
rats, Streptococcus group B, infection, immunotherapy, immune serum, opsonization 4341
Salmonella arizonae meningitis, case reports 5343.
sepsis, nosocomial infection, antibiotic resistance Enterobacteriaceae, observation methods, man 9203.
septicemia, treatment, immunoglobulins, man 1916.
Staphylococcus osteomyelitis, treatment, fusidic acid+cloxacillin 7127.
Streptococcus group B, sepsis, meningitis, mortality, epidemiology, man 2123.
Streptococcus, infection, diagnosis, man 4506.
Streptococcus infection effects on, pregnancy, man 2232.
tetanus, epidemiology, man, British Isles 1032.

Neonotonia wightii,
Rhizobium lupini nodulation, rhizosphere, soil properties effects on 8193.

Neoplasia,
cefuroxim treatment, bacteria, infection, man 12011.
cervix, association, Chlamydia trachomatis, man 11818.
colon, association, Streptococcus bavis bacteremia, risks, man 9292.
colon, association, Streptococcus bovis, endocarditis, prosthetics, mitral valve, man 3521.

Neopurpuratin,
mixed culture, pigments production, Streptomyces propurpuratus, Bacillus, characterization 6563

Nepal,
man, leptospirosis, case reports 2278.
man, Rickettsia prowazekii antibodies, incidence 2277.

Nephelometry,
bacteremia, diagnosis, subculture, man 10487.
diagnosis, leprosy, man 694.

Nephritis,
bacteria, pathology, man, case reports 871.
Legionnaire's disease complications, man, case reports 1990.
Salmonella minnesota, lipid A, induction, animal models, rats 13337.
Staphylococcus, treatment, methicillin, hypersensitivity, man, case reports 3382.

Nephrocytes,
Carcinus maenas, role, defense mechanisms, phagocytosis, experimental infection, Bacillus cereus, Moraxella 2401.

Nephrotic syndrome,
association, Escherichia coli plasmid pCW2, hemolysins biosynthesis 7699.
detection, children, urinary tract infection 11796.
man, association, syphilis 11851.
Proteus hauseri, diagnosis, man, case reports 859.

Nerium oleander,
pathogenicity, association, Pseudomonas syringae, taxonomic revision 8301.

Neruological complications,
tetanus, propranolol treatment, man 10421.

Nerve transmission,
mice, tetanus, Clostridium tetani toxins effects on 10087.

Nerves,
damage, association, leprosy, immunopathology, man 6942.
fibers, mice, neuropathology, leprosy effects on 10716.
growth, muscles, mice, Clostridium botulinum toxins effects on 479.
Mycobacterium leprae, leprosy, diagnosis, man 4359.
role, pathogenesis, intestine secretions, Vibrio cholerae, toxins 487.

Nervous system,
Corynebacterium rathayi toxins effects on, rats, sheep 8892.
surgery, postoperative infection, prophylaxis, antibiotics, man 6306.
Whipple's disease, Clostridium difficile, case reports, man 11849.

Netherlands,
Alnus glutinosa, nodulation, growth, Frankia, inoculation, effects on 3689.
antibiotic sensitivity testing, bacteria, animal isolates, domestic animals 3000.
children, dental caries incidence 717.
hepatitis B surface antigen, syphilis, seroepidemiology, homosexual behavior, man 2176
lakes, canals, surface water, incidence, Listeria monocytogenes 12177.
mastitis, bacteria, control programs, cattle 7259.
mastitis, cattle, case surveys 12054.
mastitis, control, cattle 1058.
mycobacteriosis, Mycobacterium kansasii, epidemiology, drinking water, man 6257.

Netilmicin,
antibacterial activity, bacteria, aminoglycoside antibiotics resistance 9936.
antibacterial activity, urinary tract infection, bacteria, man 7043.
clinical trials, treatment, bacteria infection, man 11964.
gentamicin, treatment comparison, bacteria infection, gynecology, man 11793.
treatment, bacteria infection, man 10617
treatment, disseminated infection, man 9264
treatment, gentamicin antibiotic resistance infection, gram-negative bacteria infection, man 975
treatment, Pseudomonas aeruginosa, urinary tract infection, man 5333.
treatment, sepsis, man 9200
treatment, urinary tract infection, clinical trials, man 11823.

Netilmitin,
antibacterial activity, gram-negative bacteria, Staphylococcus, septicemia, man 7113

Netilmycin,
resistance, association, modification enzymatic, aminoglycoside antibiotics, Pseudomonas aeruginosa, Enterobacteriaceae 12678.
treatment, bacteria, infection, neonates, man 3443.

Neuraminidase,
Arthrobacter sialophilus, N-acetylneuraminic acid derivatives induction 12606.
bacteria, enzyme kinetics, N-acetylneuraminic acid, N-glycolloylneuraminic acid 1527.
biosynthesis, Propionibacterium acnes, clinical isolates 8621.
biosynthesis, Streptococcus group B, oxygen, effects on 199.
Clostridium perfringes, Arthrobacter globiformis, Vibro cholerae, Bifidobacterium, reaction mechanisms, N-acetyl-α-D-neuraminic acid release 1532.
Erysipelothrix rhusiopathiae, activity, substrate specificity 6644.
Pasteurella haemolytica antigens, enzymatic activity 1489.
purification, characterization, Corynebacterium ulcerans 4012.
sialic acid, role, Streptococcus infection, glomerulonephritis, man 3379.
Streptococcus group B, clinical isolates, proteinase, antigens, association, virulence, mice 3182

Neuritis,
Mycobacterium leprae, immune response ultrastructure, man 11603

Neuroblastoma cells,
  cell lines, contamination, Mycobacterium hyorhinis, elimination, passage, mice 12220.
  mitochondria metabolism, endotoxins, Escherichia coli effects on, mice 3135.
Neurological complications,
  legionnaire's disease, antigens localization brain, man 10426.
  Mycoplasma pneumoniae, infection, etiology, immune response, diagnosis, man 2236.
  toxic shock syndrome, man, case surveys 10117.
Neuromuscular junctions,
  blocking, associations, tetanus toxins 10093.
  Clostridium botulinum neurotoxins binding, mice 11501.
  Clostridium botulinum neurotoxins effects on acetylcholine release, role calcium, frogs 11512.
  Clostridium botulinum neurotoxins effects on, reviews 11508.
  man, botulism effects on 10374.
Neurons,
  development, Clostridium tetani toxins receptors, brain, mice 11498.
Neuropathology,
  antibody-coated bacteria, relationship, urine, association, antibiotics, man 10400.
  association, leprosy, man 11673.
  leprosy, mice, effects on nerves fibers 10716.
Neurosis,
  association, Streptococcus group A diseases, man 10418.
Neurospora crassa,
  genes, cloning, expression Escherichia coli 11263.
Neurosurgery,
  association, postoperative infection, prophylaxis, neomycin, man 3510.
Neurosyphilis,
  cerebrospinal fluid, immunoglobulins levels, specificity, man 7945.
  clinical aspects, diagnosis, case surveys, man 911.
  clinical aspects, epidemiology, man, Denmark 907.
  diagnosis, hemagglutination, man 3160.
  immunoglobulins levels, man 3197.
  man, case reports 13217.
  man, eye diseases, case reports 10494.
  serum, diagnosis, treatment, man 2174.
  treatment, penicillin, diagnosis, man, reviews 931.
  treatment, penicillin, man, Denmark, surveys 4455.
  Treponema pallidum, antibodies production, immunoglobulin G, serological tests 6084.
  Treponema pallidum, incidence, epidemiology, diagnosis, man, Finland 10432.
Neurotoxins,
  biological properties, Clostridium botulinum 10084.
  Clostridium botulinum, binding neuromuscular junctions, synaptosomes, brain, mice 11501.
  Clostridium botulinum, effects on acetylcholine release, role calcium, neuromuscular junctions, frogs 11512.
Neurotransmitters,
  brain, spinal cord, rats, Clostridium botulinum, Clostridium tetani, toxins, effects on 497.
Neutralization,
  Clostridium botulinum, toxins, antigenic determinants, monoclonal antibodies, enzyme-linked immunosorbent assay 10067.
  gram-negative bacilli endotoxins induction hypotension, serum, rabbits 10263.
  immunoglobulins fractions, Leptospira interrogans, experimental infection, antisera, guinea-pigs 568.
  infectivity, antibodies, Chlamydia trachomatis, membrane proteins, HeLa cells 13036.
Neutropenia,
  association, bacteria infection, man, case surveys 7220.
  association, digestive tract decontamination, microflora, use, antibiotics, man 11775.
  cancer patients, piperacillin+amikacin, ticarcillin± amikacin, treatment, bacteria infection 9205
  man, bacteria, infection, hospitals, protected environments, effects on 2313.
  man, prophylaxis, infection, association, digestive tract, decontamination, yeasts, bacteria 10279.
  man, respiratory tract infection, diagnosis 6190.
  oropharynx, respiratory tract, infection, bacteria, association, leukemia, man 6156.
  prophylaxis, cotrimoxazole, rectum, intestinal microflora, Enterobacteriaceae, man 1923.
  prophylaxis infection, cotrimoxazole, aminoglycoside antibiotics± carbenicillin, ± ticarcillin, man 7119.
  side effects, vancomycin treatment, Staphylococcus aureus infection, children, case reports 6312.
  Staphylococcus aureus experimental infection effects on, neonates, dogs, treatment blood transfusion leukocytes (granulocytic) 6376.
  treatment, leukocytes (granulocytic) transfusion, association, bone marrow recovery, pathogenicity, fungi, Pseudomonas, man 9218.
New Caledonia,
  man, meningitis, Flavobacterium meningosepticum, epidemiology, case reports 2127.
New Hebrides,
  man, Rickettsia tsutsugamushi, infection, Rattus rattus, Rattus exulans, Leptotrombidium akamushi 1034.
New records,
  isolation, Brucella ovis, infection, sheep, case reports, Australia 7237.
  Neisseria gonorrhoeae, penicillinase biosynthesis, plasmids characterization, disease spread, British Isles 12235.
  nocardiosis, Nocardia asteroides, case reports, man, Guatemala 11734.
  nosocomial infection, antibiotic resistance, Corynebacterium, immunocompromised hosts, man 10635
  osteomyelitis, presentation, endocarditis, Streptococcus bovis, case reports, man, 7199.
  pathogens, characterization, rickettsia-like disease, Scotogramma trifolii 12085.
  pathogens, nosocomial infection, man, characterization 10510.
  pneumonitis, Haemophilus paraphrophilus, ampicillin, antibiotic resistance, case reports, man 6993.
  Pseudomonas solanacearum, Pelargonium hortorum, wilt, identification 9389.
  respiratory tract infection, Mycobacterium szulgai, case reports, Australia, man 6983.
  Salmonella typhimurium, typhimuricin biosynthesis, role, plasmid LT2 12869.
  USA, North Carolina, Picea pungens, shoot blight, Sirococcus strobilinus 9388.
  Vibrio parahaemolyticus, serotypes, taxonomy 9543.
New reports,
  Legionella pneumophila isolation, lakes, characterization, serotyping, association, legionellosis, man, Bulgaria 10931.
New species,
  Aeromonas, isolation, characterization 9563.
  bacteria, characterization 12266.
New taxa,
  Acetobacterium wieringae sp.nov., biological properties 12262.
  Corynebacterium, characterization, plants pathogens 9535.
  Lactobacillus animalis sp.nov., biological properties 12267.
  Megamonas hypermegas gen.nov. comb.nov. 12252.
  Micavibrio admirandus gen.nov. sp.nov., characterization 10903.
  Salmonella, serotyping 6468.
New Zealand,
  agricultural land, soil microorganisms, actinomycetes, fungi, species diversity 1210.
  children, diphtheria, immunity 11590.
  children, gastroenteritis, association, incidence, Escherichia coli 3372.
  coastal environment, intertidal environment, bacteria productivity, deposit feeding effects on, Amphibola crenata 8189.
  man, chancroid, Haemophilus ducreyi, isolation 10442.
  man, dental plaque, bacteria, microflora 725.
  Rattus rattus, Rattus norvegicus, epidemiology, Leptospira infection 3601.
  soil microorganisms, biomass, population dynamics, grasslands 8183.
  soil, Rhizobium trifolii incidence 1179.
  wildlife, leptospirosis epidemiology 5472.
New Zealand Coast,
  deposit feeding effects on productivity, bacteria, intertidal environment, New Zealand coastal environment 8189.
Newcastle disease virus,
  isolation, birds 3617.
  vaccination, immune response (humoral), suppression, Mycoplasma meleagridis infection, turkeys 4303.
Nickel,
  association, dehydrogenase, carbon monoxide, Clostridium pasteurianum, Clostridium thermoaceticum, characterization 6625.
  association, hydrogenase, purification, Methanobacterium thermoautotrophicum 4871.
  bacteria resistance, rivers sediments isolates, polluted environments 8860.
  effects on hydrogenase activity, Rhodopseudomonas capsulata 4919.
  effects on, Methanosarcina, Methanobacterium thermoautotrophicum, Methanobacterium bryantii, digestion (anaerobic) 2634.
  Methanobacterium bryantii, transport, mechanisms, inhibitors 12345.
  E.S.R. properties hydrogenase, Methanobacterium thermoautotrophicum 9747.
  relationship, hydrogenase activity, Alcaligenes eutrophus 12641.
  requirements, methanogenic bacteria, growth, coenzyme F_{430} biosynthesis 2663.
Nickel sulfate,
  stimulation, nitrogen fixation, Azotobacter 12730.
Nicotiana,
  hybrids, Agrobacterium tumefaciens infection± tumor promoting agents, effects on tumors development 8152.
  hybrids, teratocarcinoma development, Agrobacterium tumefaciens infection± tumor promoting agents, effects on 8151.
  hybrids, tumors development, infection, tumor promoting agents, peroxidase, o-diphenols 8154.
  hybrids, tumors development, tumor promoting agents, Agrobacterium tumefaciens, effects on, growth regulators, peroxidase 8153.
Nicotiana clevelandii,
  × Nicotiana glutinosa, Agrobacterium tumefaciens infection± tumor promoting agents, effects on tumors development 8152.
  × Nicotiana glutinosa, infection, tumor promoting agents, peroxidase, o-diphenols 8154.
  × Nicotiana glutinosa, teratocarcinoma development, Agrobacterium tumefaciens infection± tumor promoting agents, effects on 8151.
  × Nicotiana glutinosa, tumor promoting agents effects on tumors development 8153.
Nicotiana glauca,
  tumors, DNA, hybridization Agrobacterium rhizogenes Ri plasmid 7686.
Nicotiana glutinosa,
  × Nicotiana clevelandii, Agrobacterium tumefaciens infection± tumor promoting agents, effects on tumors development 8152.
  × Nicotiana clevelandii, infection, tumor promoting agents, peroxidase, o-diphenols 8154.
  × Nicotiana clevelandii, teratocarcinoma development, Agrobacterium tumefaciens infection± tumor promoting agents, effects on 8151.
  × Nicotiana clevelandii, tumor promoting agents effects on tumors development 8153.
Nicotiana tabacum,
  Agrobacterium tumefaciens, crown gall, DNA plasmids, correlation tumorigenesis 5886.
  Agrobacterium tumefaciens, crown gall, tumors, characterization 8138.
  crown gall, Agrobacterium tumefaciens, plasmid Ti, transformation 12090.
  crown gall, mRNA mapping, hybridization, Agrobacterium tumefaciens Ti plasmid DN 7691.
  DNA, crown gall, transcription, homology, characterization 5703.
  protoplasts, crown gall, Agrobacterium tumefaciens plasmid T1 13423.
  protoplasts, transformation, crown gall tumors, Agrobacterium tumefaciens 9419.
  Pseudomonas tabaci, wildfire, toxins, inactivation, glutamine synthetase, chlorosis, leaves 3138.
  secondary infection, Pseudomonas syringae± tobacco mosaic virus, disease resistance, role leaves proteins 8144.
  tissue culture, hairy root, Agrobacterium rhizogenes, pathogenicity, role, plasmids 4612.
Nicotina,
  hypersensitivity, Pseudomonas solanacearum, cytochemistry, phenolics 2407.
Nicotine-1'-N-oxide,
  biodegradation, Arthrobacter globiformis 4695.
Nicotinic acid,
  effects on rumen microorganisms, in vitro, in vivo, protein biosynthesis, fermentation 6321.
  inhibition, intestine secretion, Escherichia coli, enterotoxins, induction, pigs 1838.
Nifuroxazide,
  drug sensitivity testing, Campylobacter, Shigella, Salmonella, Yersinia, Escherichia coli 5130.

Nigeria,
- Anaplasma marginale, infection, disease transmission, Cricetomys gambianus, cattle, juveniles 3631
- brucellosis, serotyping, cattle 7262
- children, rheumatic heart disease, pathology 2264
- children, rheumatic heart disease, prognosis 2263
- isolates, Vibrio cholerae serotypes, antigenic characteristics 1866.
- man, children, dental diseases, oral hygiene, socio-economic aspects, effects on 3295.
- man, enterobacteria, detection, India ink immunoreaction 3159
- man, gastroenteritis, Yersinia enterocolitica isolation 842
- man, molars, dental caries 1959
- man, urethra strictures, association, Neisseria gonorrhoeae, case reports 2161
- man, urinary tract infection, association, pregnancy 10385
- Neisseria gonorrhoeae, antibiotic sensitivity testing, tetracycline, erythromycin, septrin, spectinomycin, ampicillin, benzylpenicillin, cephaloridine, streptomycin 1731
- rats, infection, Escherichia coli, Anaplasma marginale 4548
- savannahs, nitrogen cycle, agricultural ecosystems 9449

Nigericin,
- effects on thermodynamics proton transport, bacteriorhodopsin liposomes 4715.
- Streptomyces violaceoniger, biosynthesis, antifungal activity, antibacterial activity, structure 2985

Nikkomycins,
- metabolites, Streptomyces tendae, isolation, structure 293

Niphithricin,
- Streptomyces violaceoniger, biosynthesis, antifungal activity, antibacterial activity, structure 2985

Niridazole,
- antibacterial activity, anaerobic bacteria, microaerophilic bacteria, comparison, metronidazole 10040
- treatment, schistosomiasis, inhibition, immune response (cell-mediated), man 3237

Nisin,
- adsorption, factors affecting, Streptococcus lactis 11018.
- biosynthesis, Streptococcus, characterization, reviews 4152
- effects on Clostridium botulinum spore outgrowth 376.

Nitrapyrene,
- effects on, bacteria denitrification, Zea mays 5537

Nitrapyrin,
- chemical control, denitrification, soil microorganisms 3691

Nitrate,
- Alcaligenes, biosynthesis, soil isolates 6416
- association, glucose dehydrogenase, activity, deficiency, Pseudomonas aeruginosa 12664
- association, Pseudomonas pseudoalcaligenes metabolism, di-butyl phthalate, anaerobic conditions 9639
- biosynthesis, intestinal microflora, rats 5447
- effects on, nodulation, growth, Vigna unguiculata 7330
- effects on, nodulation, nitrogen fixation, Glycine max 4626
- production, nitrifying bacteria, soil microorganisms 9447
- production, rhizosphere, Plantago major, Plantago lanceolata, Plantago coronopus 3699
- Pseudomonas, oil, effects on iron reduction 6524
- reduction, estuaries, sediments 9457
- reduction, nitrogen sources, growth, Rhodopseudomonas capsulata, Rhodopseudomonas sphaeroides, Ectothiorhodospira mobilis 12410
- respiration, Paracoccus denitrificans, oxygen effects on 4780
- source, effects on denitrification, soil 1218.
- transport kinetics, Klebsiella pneumoniae 5665
- +Trifolium repens, +Lotus pedunculatus, phosphorus effects on, growth, nutrient uptake 1172
- uptake, denitrifying bacteria, denitrification, kinetics 8465

Nitrate reductase,
- activity, nitrogen fixation, nodules, Phaseolus vulgaris, fertilizers, effects on 4645
- Azotobacter vinelandii, electron transport, characterization 5782.
- denitrification, hydroxylamine, pyruvic oxime, Alcaligenes, soil 12421
- Enterobacter cloacae, biosynthesis, isolation, characterization 4856.
- Escherichia coli, defective mutant, cofactors, insertion, membranes, binding molybdenum 2848
- Escherichia coli, enzymatic synthesis, oxygen effects on 6634
- Escherichia coli, processing, assembly, cell membranes 2798.
- Hyphomicrobium, denitrification, oxygen tension, effects on 2776
- Klebsiella aerogenes, orientation, membranes, methodology 2586.
- linkage, formate dehydrogenase, Salmonella typhimurium, defective mutant characterization 8683.
- molybdenum centers, iron-sulfur centers, distribution plasma membranes, E.S.R., Escherichia coli 12335.
- purification, cyanide, ferricyanide effects on activity, Escherichia coli 8563.
- Rhizobium japonicum deficient mutant, association nitrogen fixation 6527.
- Rhizobium japonicum, resistant mutant chlorate, molybdate, effects on 1542.
- Sorghum vulgare, nitrogen soil applications effects on 1221.
- Staphylococcus aureus, membranes, cytoplasm, characterization, crossed immunoelectrophoresis 2787.
- subunits, purification, characterization, Escherichia coli 8570.
- Vibrio fischeri, characterization 4921.

Nitrate reduction,
- bacteria, detection methodology 4697.
- denitrification, bacteria, enumeration, soil, microtiter most-probable-number 2525
- denitrification, bacteria, sewage sludge 4628.
- Escherichia coli, membrane potential measurements 8367.
- Paracoccus denitrificans, regulation, role, oxygen 4778.
- Pseudomonas denitrificans, mixed culture, antagonism, rivers 8427.
- relationship, nitrogen fixation, Phaseolus vulgaris nodules, Rhizobium phaseoli 1170.
- Rhizobium 12464.

Nitrates,
- effects on, nitrogen fixation, growth, Glycine max 4640.

Nitric acid,
- uptake, role protonmotive force, Rhodopseudomonas capsulata 12355.

Nitric oxide,
- clay, anaerobic conditions, denitrification effects on 7335.
- effects on immune response Pasteurella multocida, infection, mice 6075.
- inhibition nitrogenase, Clostridium pasteurianum 3974.

Nitric oxide, (continued)
- inhibition, phosphoroclastic system, Clostridium sporogenes, ATP levels 1412.
- Nitrosomonas europaea gas production, nitrification, role 9431.
- production, denitrifying bacteria 11252.
- reduction, Paracoccus denitrificans, association, protons translocation, proline uptake 12425.
- transformation, role, nitrogen soil loss, soil microorganisms 2453.

Nitric-oxide reductase,
- denitrification, hydroxylamine, pyruvic oxime, Alcaligenes, soil 12421

Nitrification,
- acetohydroxamate, hydroxylamine, intestinal microflora, rats, guinea-pigs, man, characterization 7468.
- autotrophic bacteria, heterotrophic bacteria, acetylene effects on 12733.
- bacteria, ammonium oxidation, marine environment 10804.
- bacteria, most probable number, soil, sediments 6414.
- calcium sulfide, inhibition, soil, microorganisms 10800.
- effects on, sulfur, aluminum sulfate, ferrous sulfate, soil microorganisms, soil amendment 7329.
- inhibition, herbicides, toxicity, soil microorganisms 6420.
- inhibitors, effects on soil nitrification 1199.
- microorganisms, lakes, British Isles 7339.
- nitrifying bacteria, seasonal variations, ecological distribution, sediments, coastal environment 13525
- Nitrobacter agilis, enzymes, mechanisms 7478.
- nitrogen cycle, agricultural ecosystems, forests, paddy fields 9442.
- Nitrosomonas europaea, nitrification, denitrification, soil 5534.
- Nitrosomonas europaea, Nitrobacter agilis, PCB effects on 10775.
- Nitrosomonas europaea, role, gas production, nitric oxide, nitrous oxide 9431.
- Nitrosomonas europaea, soil, radioactive labelling 5534.
- Nitrosomonas, Nitrobacter, activated sludge, copper, effects on 8184.
- Nitrosomonas, Nitrobacter, soil pH effects on 13473.
- Nitrosomonas, Zea mays, crop fields, soil, phytotoxicity 6423.
- paddy fields, fertilizers, effects on 4637.
- Pseudomonas perfectomarinus, copper effects on 6538.
- soil aggregates size effects on 8201.
- soil, copper effects on 1220.
- soil microorganisms, acid rain, pollution effects, forests 7316.
- soil, nitrification inhibitors effects on 1199.
- soil, paddy fields, flooding effects on 1205
- soil structure effects on 9463

Nitrifying bacteria,
- +air pollution, biodeterioration, paintings 8438
- nitrate production, growth, soil microorganisms 9447
- nitrification, seasonal variations, ecological distribution, sediments, coastal environment 13525.
- plant communities, nitrogen cycle 9468.
- primary production, marine environment, Antarctica 1234.
- sediments, aquatic 3742.
- symbiosis Glycine max, effects on nitrogen cycle 7314.

Nitriles,
- utilization, Rhodococcus 12450.

Nitrite,
- Alcaligenes, biosynthesis, soil isolates 6416.
- +aminopyrine, bacteria mutation, ascorbic acid effects on, mice 1628.
- interaction nitrite reductase, N.M.R., Pseudomonas aeruginosa 11202.
- oxidation, protons translocation, Nitrosomonas europaea comparison Nitrobacter agilis 6515.
- reduction, Citrobacter soil isolates, production, ammonium, nitrous oxide 6419.
- reduction, respiration correlation protons transport, Paracoccus denitriticans 6552

Nitrite reductase,
- nitrite interaction, N.M.R., Pseudomonas aeruginosa 11202.
- purification, characterization, Desulfovibrio desulfuricans 2803.
- Rhodopseudomonas capsulata, isolation, characterization 188.

Nitrite reductase (NAD(P)H),
- Escherichia coli, defective mutant, nirB gene, gene mapping 2875.
- kinetics, Escherichia coli 9764
- kinetics, inhibition, mechanisms, Escherichia coli 1550.

Nitrite test,
- diagnosis, bacteriuria, man 5323.
- diagnosis urinary tract infection, infants, man 13199.
- pyuria, bacteriuria, detection, pregnancy, man 2059.

Nitrites,
- inhibition nitrogenase, Clostridium pasteurianum 3974.

5-Nitro-2'deoxyuridine 5'-phosphate,
- inhibition thymidylate synthase, mechanisms, Lactobacillus casei 4938.

4-(5-Nitro-2-furyl)-2-(substituted-pherylamino)thiazoles,
- mycobacterium tuberculosis, synthesis 10043.

Nitrobacter,
- nitrification, activated sludge, copper, effects on 8184.
- nitrogen cycle, succession, plant communities 9468.
- serotypes, ecology, soil 5524.
- serotypes, soil microorganisms, competition, association, environmental conditions 10798.

Nitrobacter agilis,
- comparison Nitrosomonas europaea, protons translocation, nitrite oxidation 6515.
- cytochrome c553, cytochrome c550, cytochrome c549,554 3877.
- hydroxylamine, tolerance 7873.
- inorganic nitrogen assimilation, role, glutamate dehydrogenase 12466.
- nitrification, enzymes, mechanisms 7478.
- nitrification, PCB effects on 10775.

Nitrobacter wingogradskyi,
- nitrification, acetylene effects on 12733.

Nitroblue tetrazolium test,
- diagnosis, bacteria infection, neonates, man 13273.

Nitroblue triazolium test,
- leukocytes function, association, dermatosis, bacteria, fungi, man 8969.

Nitrofuran reductase,
- components, Escherichia coli, column chromatography 4026.

Nitrofurans,
- antibacterial activity, mutagenicity testing, Escherichia coli, Salmonella typhimurium 8695.
- antibacterial activity, Salmonella 9931.

Nitrofurantoin,
- antibacterial activity, mutagenicity testing, Escherichia coli, Salmonella typhimurium 8695.

Nitrofurantoin, (continued)
- Escherichia coli, Klebsiella, drug resistance 384.
- induction, stringent response, Bacillus subtilis 4741.
- treatment, bacteria urinary tract infection, man 11821.
- treatment, Escherichia coli, urinary tract infection, females, man 875.
- treatment, urinary tract infection, man 2056.
- treatment, urinary tract infection, man 7030.
- treatment, urinary tract infection, man 10404.
- treatment, urinary tract infection, man 11797.
- Vibrio cholerae, resistance mechanisms, association enzymes 8861.

Nitrofurazone,
- antibacterial activity, mutagenicity testing, Escherichia coli, Salmonella typhimurium 8695.

Nitrogen,
- assimilation, Alnus glutinosa nodules 5521.
- assimilation, Glycine max, cotyledons effects on 2470.
- availability, flooded soils, Azolla, Aulosira, soil amendments, effects on 2471.
- biogeochemistry, biodegradation, detritus, macrophytes, estuaries 12165.
- content, Triticum aestivum, Panicum miliaceum, Sorghum bicolor, Azospirillum brasilense, nitrogen fixation, effects on 3701.
- decomposition, soil microorganisms, soil enzymes 9428.
- effects on Medicago sativa nitrogen fixation, Rhizobium meliloti symbiosis 13480.
- fertilizers, effects on, Beta vulgaris, yield, roots, sucrose, incidence, soft rot, Erwinia carotovora subsp.beta vasculorum 1153.
- fertilizers, effects on nodulation, allantoin biosynthesis, transport, Glycine max 2436.
- fertilizers, effects on, soil microorganisms biomass 13476.
- Glycine max seeds content, Rhizobium japonicum hydrogenase nodulation effects on 2454.
- incorporation, Azospirillum soil, Oryza sativa roots isolates 5511.
- inorganic, assimilation, Nitrobacter agilis, role, glutamate dehydrogenase 12466.
- Klebsiella pneumoniae, metabolism regulation gln gene, glutamine auxotrophy 9832.
- levels effects on nitrogen fixation, Azotobacter, Panicim coloratum 9429.
- metabolism, Anabaena cylindrica, association, hydrogen uptake 3860.
- metabolism, derepression, histidine ammonia-lyase, succinate dehydrogenase, Klebsiella pneumoniae 12647.
- metabolism, Rhodopseudomonas acidophila, glycine, aminotransferase 1545.
- mineralization, soil microorganisms, population density, seasonal variations 10797.
- mineralization, soil temperature effects on 10791.
- mineralization, soils, anaerobic conditions, aerobic conditions 8167.
- nutrient cycles, soil microorganisms 5526.
- nutrient cycles, soil microorganisms 6409.
- nutrient requirements, association, amino acids, Frankia isolation, Alnus viridis 10981.
- nutrient requirements, Bacillus subtilis var.amyloliquefaciens, association extracellular enzymes, proteinase biosynthesis 12598.
- nutrient requirements, Gluconobacter, Acetobacter, Frateuria 3847.
- organic compounds, solid wastes biodegradation, soil Streptomyces 8424.
- Rhizobium meliloti, effects on, roots mass, nodulation, nitrogen fixation, Medicago sativa 2451.
- +Rhizobium trifolii inoculation, effects on, Trifolium alexandrinum, nodulation, yield 1185.
- Serratia marcescens, effects on, humic acids, soil, Acer saccharum, Picea mariana 3724
- soil applications, effects on, Sorghum vulgare, protein composition, leaves, grain, nitrate reductase 1221.
- soil loss, role, transformation, nitric oxide, nitrous oxide, soil microorganisms 2453.
- uptake, bacteria, algae 101.
- uptake, nodules, Glycine max, association, amino acids biosynthesis, Rhizobium japonicum 6422.
- uptake, transport, Glycine max, nitrogen fixation, effects on 13487.

Nitrogen balance,
- children, recovery, cholera, association, diarrhea 826.

Nitrogen cycle,
- clay industrial wastes, ammonification, Agrostis tenuis, Festuca rubra, Trifolium repens 8176.
- crop fields, soil microorganisms, population dynamics, Canada 13474.
- denitrification, soil properties, soil microorganisms 9448.
- denitrification, thermodynamics, soil microorganisms 8166.
- disturbance, industrial wastes, soil chemistry 9441.
- Glycine max, symbiosis, nitrifying bacteria, effects on 7314.
- nitrogen-fixing bacteria, acid rain, pollution effects, leaf litter decomposition, forests 10790.
- nutrient dynamics, leaf litter decomposition, USA, Great Dismal Swamp 9469.
- plant communities, nitrifying bacteria 9468.
- Rhizobium nitrogen fixation, semiarid environments, agricultural practices 9440.
- sediments, sulfate reduction, methanogenesis, decomposition, factors affecting, freshwater environments, British Isles 2490.
- sediments, sulfate reduction, methanogenesis, decomposition, factors affecting, freshwater environments, British Isles 3735.
- soil microorganisms growth, time effects on 5527.
- soil microorganisms, plants, soil, pollution 12150.
- soil properties, atrazine effects on, crop fields, Zea mays 9455.
- terrestrial ecosystems, agroecosystems, conferences, Africa, West 9500.
- terrestrial ecosystems, primary production, research programs 9438.

Nitrogen fixation,
- Acacia pulchella var.glaberrima, growth, nodulation, nutrient dynamics 8200.
- acetylene reduction, genotyping, plant breeding, Oryza sativa 8163.
- Aeschynomene americana, soil moisture effects on 2432.
- Anabaena, heterocysts, Pseudomonas, Zoogloea, attachment, effects on 4615.
- Angiospermae, aquatic environment, seasonal variations 10801.
- Arachis hypogaea, association, yield 1158.
- Arachis hypogaea, Rhizobium, pH effects, inoculum rate effects on 1190.
- Arachis hypogaea, Vigna unguiculata, Macroptilium atropurpureum, Rhizobium 1180.
- assays, hydroponics, Glycine max 5536.
- assays, use, nitrogen-15, radioisotopes 1171.
- association, Corynebacterium insidiosum, resistance, Rhizobium meliloti, inoculation, Medicago sativa 3664.
- association, defoliation, Lotus corniculatus, Medicago sativa 5542.
- association, preferences Rhizobium meliloti, genotypes, Medicago sativa 9482.
- association, Rhizobium japonicum, nodulation, Glycine max 10799.
- association, tungsten resistant mutant, Azotobacter vinelandii 12729.
- Azospirillum, association, carotenoids biosynthesis 1430.
- Azospirillum brasilense, effects on, growth, nitrogen, content, Triticum aestivum, Panicum miliaceum, Sorghum bicolor 3701.

Nitrogen fixation, (continued)
- Azospirillum brasilense, effects on, growth, Sorghum bicolor 5508.
- Azospirillum brasilense, inoculation, effects on, Zea mays, growth 3714.
- Azospirillum lipoferum, nitrogenase, seasonal variations, Panicum maximum var.trichoglume 7336.
- Azospirillum, soil, Oryza sativa roots isolates 5511.
- Azotobacter chroococcum, association phosphates 13485.
- Azotobacter, nickel sulfate stimulation 12730.
- Azotobacter, Panicim coloratum, nitrogen levels effects on 9429.
- Azotobacter, soil, sodium pentachlorophenate, effects on 4620.
- Azotobacter vinelandii, cultural conditions induction competence 8209.
- Azotobacter vinelandii, molybdenum deficiency 9651.
- Azotobacter vinelandii, Rhodopseudomonas capsulata, effects on Oryza sativa growth 2429.
- bacteria, books, conferences 13544.
- bacteria, genetic engineering, transposons, recombination, RNA biosynthesis, books, conferences 10833.
- bacteria, sediment composition, lakes, British Isles 6432.
- Casuarina, nodules, rhizosphere microorganisms symbiosis 8198.
- Centrosema virginianum, Rhizobium 1196.
- chemoautotrophic bacteria, growth, identification, characterization 5656.
- Cicer arietinum, nodulation, prometryne, simazine effects on 7331.
- Desmodium intortum, intraspecific interactions, setaria anceps, effect on 10771.
- Diplachne fusca rhizosphere microorganisms, soil isolates, Azospirillum 13502.
- effects on, nitrogen, uptake, transport, Glycine max 13487.
- Enterobacter cloacae, Klebsiella pneumoniae, enumeration, rhizosphere, Graminae 3685.
- Fimbristylis dichotoma, Imperata cylindrica, Paspalum vaginatum, Australia 1184.
- forests wetlands, USA, Florida, acetylene reduction, nitrogenase activity 9462.
- Frankia, nodulation, seasonal variations, Myrica gale 12146.
- Frankia, plants isolates, in vitro 4630.
- Frankia, vesicles structure 12319.
- free-living nitrogen-fixing bacteria, rhizosphere, plants 13463.
- Glycine max, association, allantoin biosynthesis, Rhizobium japonicum 8170.
- Glycine max, growth, temperature, nitrates, effects on 4640.
- Glycine max, hydrogen uptake positive Rhizobium japonicum effects on 1181.
- Glycine max, interaction, Rhizobium 10773.
- Glycine max, nodules 2436.
- Glycine max, Pisum sativum, roots, nodulation 3687.
- Glycine max, Rhizobium japonicum, phosphorus, Glomus fasciculatus, effects on 2458
- Glycine max, Rhizobium japonicum, Trinidad 1188.
- Glycine max, Rhizobium, strains effects on 5523.
- growth, Azospirillum brasilense, nitrogen fixation, effects on 5508.
- growth, Medicago trunculata, Graminae competition, phosphate levels, effects on 4643.
- growth, nitrogen sources, soil characteristics, Medicago sativa 12130.
- his genes, gene expression, effects on, Klebsiella pneumoniae 8704.
- Hordeum vulgare, nitrogenase enzymatic activity in vitro 3707.
- host specificity, Rhizobium trifolii, isolation 1169.
- hydrogen production, mixed culture, bacteria, fungi 12726.
- incidence, soil, Malaysia, distribution 3710.
- Inga jinicuil 1211.
- Inga jinicuil, soil nutrients effects on 1212.
- Klebsiella oxytoca, isolates, characterization, roots, Triticum 3700.
- Klebsiella pneumoniae, nif gene, gene manipulation, plants 2475.
- Klebsiella pneumoniae, nif gene, regulation 9831.
- land reclamation, soil, nutrient status, nodules, Leucaena leucocephala, Tanzania 12144.
- legumes, measuring techniques 3686.
- legumes, nodulation, Rhizobium, host-parasite interactions 9471.
- legumes, Rhizobium symbiosis, shales 8204.
- Leguminosae, Australia 1201.
- Leguminosae, Rhizobium, Thailand 1198.
- measuring techniques, use, acetylene reduction, bacteria 10865.
- mechanisms, microorganisms, evolution 13477.
- Medicago sativa, phosphorus, lime, effects on 1204.
- Medicago sativa, potassium fertilizers effects on 1167.
- Medicago sativa, Rhizobium meliloti, soil pH effects 1182.
- Medicago sativa, Rhizobium meliloti, sulfur, nitrogen, effects on 2451.
- Medicago sativa, Rhizobium meliloti symbiosis, sulfur, nitrogen, effects on 13480.
- microorganisms, association, nitrogenase, adenosinetriphosphatase, reviews 9454.
- microorganisms, ecological evaluation, herbicides effects on 8203.
- microorganisms, Oryza sativa, flooded soils 4642.
- mutants, restriction endonuclease mapping, genetic analysis, transposon Tn5, Rhizobium leguminosarum 12851.
- nif gene, Klebsiella pneumoniae, transcription 4794.
- nitrogen cycle, disturbance, industrial wastes 9441.
- nitrogen cycle, savannahs, agricultural ecosystems, Nigeria 9449.
- nitrogen-fixing bacteria, lakes, British Isles, sewage effects on 1243.
- nitrogen-fixing bacteria, manganese sulfate effects on 13482.
- nitrogen-15 levels, plant communities, environmental conditions, USA, California 12139.
- nitrogenase, nitrate reductase, activity, nodules, Phaseolus vulgaris, fertilizers, effects on 4645.
- nitrogenase soil, Phalaris arundinacea, Pharagmites australis, salt marshes 9451.
- nodulation, Arachis hypogaea chlorosis, Senegal 9445.
- nodulation, drought stress, Prosopis 10795.
- nodulation, Glycine max, nitrate, effects on 4626.
- nodulation, phosphorus uptake, mycorrhizas, growth, Trifolium subterraneum 4622.
- nodulation, phosphorus, zinc effects on, Cicer arietinum 10764.
- nodulation, Rhizobium trifolii, soil levels, Trifolium 4641.
- nodulation, Rhizobium trifolii, Trifolium repens, fungicides, effects on 4624.
- nodulation, variation, Rhizobium trifolii, strains, Trifolium pratense 13472.
- nodules, biomass, Alnus rubra, Alnus sinuata, forests, Canada 3693.
- nodules, Pisum sativum, nitrogen sources effects on 9456.
- nodules, relationship, dry weight distribution, Trifolium repens 1166.
- Oryza sativa, rhizosphere, factors affecting 2435.
- Oryza sativa, soil, ammonium, effects on 1173.
- pentachlorophenol effects on, Azotobacter vinelandii 6418.
- phosphate, mobilization, Glycine max, Medicago sativa 3718.
- phyllosphere, nitrogen-fixing bacteria, surveys, India 6428.
- Pisum sativum, association, fruits growth, apical apparatus 9467.
- Pisum sativum, association, selection, photosynthesis carbon dioxide gas exchange

Nitrogen fixation, (continued)
  8169.
  potassium, effects on, Medicago sativa 8192
  Pseudomonas, foliar applications, yield, Oryza sativa 12124
  radioactive labelling, methodology, Phaseolus vulgaris, Trifolium arvense, Trifolium badium 7332.
  relationship, hydrogen metabolism, nodules, Rhizobium leguminosarum+Pisum sativum 2450
  relationship, nitrate reduction, Phaseolus vulgaris nodules, Rhizobium phaseoli 1170.
  Rhizobium, Arachis hypogaea chlorosis effects on 5530
  Rhizobium, bacteroids, leghemoglobin, oxygen, carbon sources, effects on 3694.
  Rhizobium isolation, evaluation, South America 1163
  Rhizobium japonicum, coal adsorption, inoculation, Glycine max 12128.
  Rhizobium japonicum defective mutant, isolation, characterization 12731.
  Rhizobium japonicum, foliar applications, fertilizers, Glycine max 8207.
  Rhizobium japonicum, Glycine max, plant extracts, effects on 2448.
  Rhizobium japonicum, measurements, Glycine max 12135.
  Rhizobium japonicum, modulation, Glycine max, soil moisture effects on 9470.
  Rhizobium japonicum, nitrate reductase deficient mutant 6527.
  Rhizobium japonicum, nodulation, characterization 5525.
  Rhizobium, Leguminosae, Vigna sinensis, Mali 9439.
  Rhizobium leguminosarum, nodulation, plasmids, effects on, Pisum sativum 2442.
  Rhizobium leguminosarum, Pisum sativum, photosynthesis, association 6429.
  Rhizobium leguminosarum, relationship, plasmid pIJ1008 transfer 12845.
  Rhizobium leguminosarum, Rhizobium meliloti, nodules, Vicia villosa, Melilotus officinalis, drought effects on, soils (saline) 1222.
  Rhizobium, Lotus pedunculatus, nutrient enrichment effects on 1224.
  Rhizobium meliloti, genes, gene mapping 1625.
  Rhizobium meliloti, Medicago sativa cultivars effects on 6412.
  Rhizobium meliloti, nodulation mutants, transposons 9833.
  Rhizobium mutants 2433
  Rhizobium, nitrogen cycle, agricultural practices, semiarid environments 9440.
  Rhizobium, nitrogenase, nutrient requirements 13464.
  Rhizobium, nodulation, Arachis hypogaea, yield 9478.
  Rhizobium, nodulation, inoculation, Glycine max, Senegal 9443.
  Rhizobium, nodulation, inoculation, Leguminosae seeds 9446.
  Rhizobium nodules, association, Glycine max developmental stages 2469.
  Rhizobium, nodules, Glycine max, Vigna unguiculata, nitrogen fixation, association, phosphorus requirements 5535.
  Rhizobium, Oryza sativa straw, decomposition, effects on 2439.
  Rhizobium phaseoli, inoculation, phaseolus, soil 12123.
  Rhizobium, Phaseolus vulgaris, reviews 1206
  Rhizobium, role nif gene 8688.
  Rhizobium, strains variation, Phaseolus vulgaris 13494
  Rhizobium trifolii, nodulation, fungicides inhibition, Trifolium repens 12131.
  Rhizobium trifolii nodulation, Trifolium repens, Glomus tenuis, phosphorus fertilizers effects on 12152
  Rhizobium, Vigna unguiculata 1226.
  rhizosphere, Oryza sativa 7326.
  Rhodopseudomonas capsulata, nitrogenase, hydrogenase activity 11212.
  Robinia pseudoacacia, Rhizobium 1176
  Robinia pseudoacacia, Rhizobium nodules, assocation, spring 10766.
  salt marshes, USA, Louisiana 1159.
  seasonal variations, Spartina alterniflora 3721.
  sediments, British Isles, association sulfate-reducing bacteria 8210.
  soil aggregates size effects on 8201
  soil, bacteria, forests 8179
  soil microorganisms, thidiazuron effects on, crops 2456
  soil properties, reclaimed land, shales, enzymatic activity, soil microorganisms 3692
  symbionts, host plants, infection, recognition, energetics, books, conferences 9480
  symbiosis, Alnus glutinosa, Alnus rubra, British Isles 3703
  technology, Leguminosae+Rhizobium 10774.
  Trifolium pratense, cultivation, role Rhizobium trifolii 10776.
  Trifolium repens, Trifolium arvense, Rhizobium trifolii 1179.
  Vigna mungo, daylength effects on 1195.
  Vigna radiata, growth stage, defoliation, effects on 13484.
  Vigna unguiculata, Rhizobium, Africa, West 1191.
  Vigna unguiculata+Rhizobium, water stress effects on 2464
  Xanthobacter autotrophicus, role, ferredoxin, electrons donors, in vitro 1421.
  yield, Glycine max, crop rotation, Sorghum bicolor, effects on 13486.
Nitrogen sources,
  effects on, Bacillus licheniformis, glutamine synthetase, activity, characterization 1516.
  effects on, bacteria, growth, rumen, cattle 3562.
  effects on, bacteria, growth, rumen, domestic animals 3555.
  effects on, Micrococcus glutamicus, glutamine synthetase, biosynthesis 4056
  effects on Micrococcus glutamicus glutamine synthetase biosynthesis, activity 4056.
  effects on, nitrogen fixation, nodules, Pisum sativum 9456.
  effects on, Pseudomonas, bacteria, soil isolates, naphthalene biodegradation 2662.
  effects on, respiration, bacteria, populations, roots, Triticum 3706.
  effects on, Rhodospirillum rubrum, nitrogenase activity 9787.
  feeding trials, effects on, rumen, microorganisms, protein biosynthesis, sheep 3559.
  L-glutamine, L-asparagine, L-threonine, media (culture), Pseudomonas tomato, cultural characteristics 8258.
  isobutylidine diurea, nutrients digestion, protein biosynthesis, rumen, cattle 8080.
  methanol, metabolism, enzymes, Blastobacter viscosus 12463.
  methylamine uptake, Pseudomonas 5664.
  nitrate, reduction, growth, Rhodopseudomonas capsulata, Rhodopseudomonas sphaeroides, Ectothiorhodospira mobilis 12410.
  nitrogen fixation, growth, soil characteristics, Medicago sativa 12130.
  Pseudomonas, Klebsiella pneumoniae, triazine 3713.
  relationship, dry weight distribution, Trifolium repens 1166.
  Rhizobium japonicum, glutamate, acetylene reduction 9617.
  role, nitrogen-fixing bacteria, association, Strongylocentrotus droebachiensis 2402.
  role, Streptomyces rimosus, production, oxytetracycline 2968.
  Streptococcus cremoris growth, milk 1387.
Nitrogen-fixing bacteria,
  Actinomycetes, soil incidence, association Alnus incana 12126.

Nitrogen-fixing bacteria, (continued)
  Angiospermae, aquatic environment, seasonal variations 10801.
  association, Strongylocentrotus droebachiensis, role, nitrogen sources 2402.
  cobalt chloride effects on, media (culture) 13479.
  Enterobacter agglomerans, isolation, Dendroctonus terebrans, Dendroctonus frontalis, Ips avolsus, symbiosis 1134
  foliar applications, effects on, growth, Oryza sativa 4644.
  foliar applications, yield, Triticum aestivum 8187.
  free-living, nitrogen fixation, rhizosphere, plants 13463.
  manganese sulfate effects on nitrogen fixation 13482
  marine environments, Vibrio diazotrophcins sp.nov., characterization 8349.
  nitrogen cycle, acid rain, pollution effects, forests 10790.
  nitrogen fixation, lakes, British Isles, sewage effects on 1243.
  nodulation, Psophocarpus tetragonolobus, water regimes effects on 5539.
  phyllosphere, nitrogen fixation, surveys, India 6428.
  potassium effects on nitrogen fixation, Medicago sativa 8192.
  Pseudomonas like, incidence, plants 1183
  rhizoplane, carbon sources, roots exudates, plant breeding, Zea mays 12119.
  seasonal variations, distribution, reservoirs, Brazil 5548.
  soil isolates, identification, computer applications 8298.
  Spartina alterniflora, carbon metabolism 5531
  storage, viability 12217.
Nitrogen-15,
  levels, plant communities, nitrogen fixation, environmental conditions, USA, California 12139.
  radioisotopes, use, nitrogen fixation assays 1171.
Nitrogenase,
  acitivity, 1-phenyl-4-amino-5-chloro-piridazone-6, 3-cyclohexyl-5,6-trimethyleneuracil, effects on, Azotobacter chroococcum 9640.
  activation enzymes, isolation, characterization, Rhodospirillum rubrum 2774.
  activity, association, soil microorganisms, Azospirillum, Azotobacter, Egypt 9483
  activity, Azotobacter vinelandii, acetylene reduction 12409.
  activity, bacteria, nitrogen fixation, salt marshes, Phalaris arundinacea, Pharagmites australis 9451.
  activity, forests wetlands, USA, Florida, nitrogen fixation, acetylene reduction 9462.
  activity, nitrogen fixation, nodules, Phaseolus vulgaris, fertilizers, effects on 4645.
  activity, Oryza sativa rhizosphere, paddy fields, hexachlorocyclohexane effects on 1216.
  activity, Rhodopseudomonas capsulata, genetic control 12623.
  association, microorganisms nitrogen fixation, reviews 9454.
  Azospirillum lipoferum, nitrogen fixation, seasonal variations, Panicum maximum var.trichoglume 7336.
  Azotobacter chroococcum, nutrient availability, hydrogen production, continuous culture 2666.
  Azotobacter vinelandii, Klebsiella pneumoniae, Clostridium pasteurianum, feedback inhibition, ammonium, carbamyl phosphosphate 2808.
  Azotobacter vinelandii, subunit structure 4899.
  biosynthesis, Rhizobium lupini 12668.
  characterization, nifH gene, nucleotide sequence, Rhizobium meliloti 253.
  complementation, role, Rhizobium nitrogen fixation 8688.
  enzymatic activity, Aeschynomene americana, soil moisture effects on, enzymatic activity, nitrogenase, Aeschynomene americana, soil moisture effects on 2432.
  enzymatic activity, Azospirillum, Azotobacter, incidence, Hordeum vulgare, soil, relationship 3720.
  enzymatic activity, Triticum aestivum, Sorghum nigricans, +Rhizobium "cowpea", +Azospirillum lipoferum 1214.
  enzymatic activity, Vigna mungo, potassium dihydrogen ortho phosphate, ammonium nitrate, effects on 2476
  Frankia, activity, plants isolates, in vitro 4630.
  genes, operons organization, analysis mRNA cDNA hybridization, Rhizobium leguminosarum, Azotobacter vinelandii 7664.
  inhibition carbon monoxide, nitric oxide, nitrites, Clostridium pasteurianum 3974.
  iron protein, amino acid sequence, Azotobacter vinelandii, comparison Clostridium pasteurianum, Anabaena, Klebsiella pneumoniae, phylogeny 7534.
  iron protein, purification, characterization, Rhodospirillum rubrum 11105.
  iron proteins, inactivation, characterization, Rhodospirillum rubrum 4927.
  C.D., Klebsiella pneumoniae 4876.
  molybdenum, iron proteins, X-ray diffraction, Clostridium pasteurianum 7544.
  molybdenum-iron protein, ATP role mechanisms, Klebsiella pneumoniae 11145.
  molybdenum-iron protein, magnetic susceptibility, N.M.R., Azotobacter vinelandii 8518.
  molybdenum-iron protein, X-ray diffraction, Clostridium pasteurianum, Azotobacter vinelandii 9755.
  nitrogen fixation, Hordeum vulgare, in vitro 3707.
  phototrophic bacteria, , dissolved oxygen, effects on 1548.
  purification, characterization, Rhodospirillum rubrum 9746.
  Rhizobium, acetylene reduction, Glycine max 5518.
  rhizobium, activity induction, Lycopersicon esculentum, in vitro 4623.
  Rhizobium, activity, isolates, Arachis hypogaea, Vigna sinensis 4002.
  Rhizobium, ammonium regulation, nif gene 9834.
  Rhizobium japonicum, activity, carbon dioxide requirements 12685.
  rhizobium, Lycopersicon esculentum 4623.
  Rhizobium mutants, enzymatic activity, vigna radiata var.aureus effects on 3726.
  Rhizobium, nitrogen fixation, nutrient requirements 13464.
  Rhodopseudomonas capsulata, activity, nitrogen fixation 11212.
  Rhodopseudomonas capsulata, purification, characterization 6626.
  Rhodospirillum rubrum, activity, nitrogen sources effects on 9787.
  subunits, amino acid sequence, comparison nifD gene nucleotide sequence, Clostridum pasteurianum 2736.
  subunits, Azotobacter vinelandii, amino acid sequence 5778.
Nitroimidazoles,
  antibacterial activity, anaerobic bacteria 10036.
  antibacterial activity, anaerobic bacteria, reviews 10037.
  antibacterial activity, treatment, prophylaxis, anaerobic bacteria infection, man, conferences 10849.
2-Nitroimidazoles,
  radiosensitization, Escherichia coli, Streptococcus lactis, membranes 4727.
5-Nitroimidazoles,
  antibacterial activity, mutagenesis, anaerobic bacteria, reviews 10035.
  treatment, prophylaxis, anaerobic bacteria infection, man 11979.
3-p-Nitrophenylacetamido-4-phenylazetidin-2-one,
  penicillinase activity inhibitors, characterization 7577.

4-Nitrophenylhydrazones,
sugars derivatives, antibacterial activity, Micrococcus luteus Escherichia coli, Bacillus licheniformis 8847
N-4-Nitrophenylhydrozones,
sugars derivatives, antibacterial activity, Escherichia coli, Bacillus licheniformis 8847
p-Nitrophenylphosphatase,
endotoxins effects on, heart, dogs 495.
3-Nitropropionate,
inhibition, isocitrate lyase, Pseudomonas indigofera 11194.
Nitroprusside,
effects on, edema, lung endotoxemia, Escherichia coli, pathology, sheep 10130.
1-Nitropyrene,
reduction, effects on, Salmonella typhimurium, DNA adducts, formation 1436.
Nitropyrenes,
mutagenicity testing, role, nitroreductase, Salmonella typhimurium 1585.
Nitroreductase,
role mutagenesis, Salmonella typhimurium 8658.
role, mutagenicity testing, nitropyrenes, mutagens, Salmonella typhimurium 1585.
N-Nitrosamines,
biodegradation, Lactobacillus, Clostridium, Escherichia coli, Fusiformis fragilis 132
N-Nitroso-N-ethylurea,
alkylation, Escherichia coli tRNA tertiary structure 6593.
N-Nitroso-N-methyl-N'-nitroguanidine,
mutagenesis, Clostridium thermocellum, genetic engineering 8661.
mutagens, Rhizobium trifolii, transposons, mutagens, Rhizobium trifolii 1598.
N-Nitroso-N-methyurea,
mutagenicity, Mycobacterium phlei 12747
N-Nitrosodimethylamine,
bacteria mutation, ascorbic acid effects on, mice 1628
mutagenesis, assays, in vivo, cell-free system, mice, ethanol, acetone, effects on 1603
Nitrosoguanidine,
derivatives, mutagenesis, Streptomyces indicus 7661.
mutagenesis induction, Shigella sonnei DNA polymerase I deficient mutant 2863.
S-Nitrosomercaptoethanol,
bacteriostasis, enhancement, proteins, exudates, Bacillus cereus, spores 2741.
Nitrosomonas,
antibacterial activity, phenol, ammonia 436.
nitrification, activated sludge, copper, effects on 8184.
nitrification, soil pH effects on 13473.
nitrification, Zea mays, crop fields, soil, phytotoxicity, mineralization 6423.
nitrogen cycle, succession, plant communities 9468.
oxidation, ammonia compounds, rhizosphere, Oryza sativa, carbofuran, effects on 8211.
Nitrosomonas europaea,
ammonia oxidation 8404.
comparison Nitrobacter agilis, protons translocation, nitrite oxidation 6515.
glutamine synthetase, purification, characterization, activity 4018.
hydroxylamine oxidase, E.S.R. 4865.
hydroxylamine oxidase, reaction mechanisms 184.
hydroxylamine oxidase, resolution, Mossbauer spectroscopy 11189.
hydroxylamine reductase, heme characterization, E.S.R. 11182.
nitrification, acetylene effects on 12733.
nitrification, denitrification, soil, radioactive labelling 5534
nitrification, PCB effects on 10775.
nitrification, role, gas production, nitric oxide, nitrous oxide 9431.
oxidation, ammonia, cell-free system 5670.
Nitrosomonas europoea,
immobilized cells, metabolism, characterization 7449.
Nitrosothiols,
inhibition, Bacillus cereus, spore outgrowth, mechanisms 2631
Nitrous acid,
use, isolation, Streptococcus group A protein A 3926.
Nitrous oxide,
Nitrosomonas europaea gas production, nitrification, role 9431.
production, Citrobacter soil isolates, nitrite reduction 6419
production, denitrifying bacteria 11252.
reduction, measurement, electrochemistry, electron transport, Paracoccus denitrificans 8477.
reduction, respiration correlation protons transport, Paracoccus denitriticans 6552.
transformation, role, nitrogen soil loss, soil microorganisms 2453.
uptake, denitrifying bacteria, denitrification, kinetics 8465.
Nitrous oxide reductase,
Paracoccus denitrificans, purification, characterization 4049
Nitrovinyl,
derivatives, synthesis, antibacterial activity, gram-positive bacteria, structure-activity relationships 8839.
5-Nitrox,
antibacterial activity, in vitro 421.
Nocardia,
antigenic characteristics, immunodiffusion, Actinomadura, Nocardiopsis, taxonomic significance 1294.
biosynthesis, siderochelin, antimicrobial activity 2975.
brain abscesses, diagnosis, case reports, man 10420.
chromomycin A3, use, identification, susceptibility 5935.
clinical isolates, identification, clinical microbiology 12232.
clinical isolates, leprosy, cell wall, chemical composition, man 8387.
comparison, Streptomyces roseoflavus var.roseofungini, teichoic acid, structure 12698.
infection, immunocompromised hosts, reviews 6253.
isolation, Alnus nodules 12138.
isolation radioresistance bacteria, textiles 5978.
β-lactam antibiotics biosynthesis, screening, reviews 8746.
mitomycin C, identification, use, susceptibility 5967.
mutants, papaverine biodegradation pathway 12377.
nocardiosis, brain, association, kidney transplantation, case reports, man 6243.
nocardiosis, lung, association, immunosuppression, clinical aspects, treatment, man, case reports 1979.
1,2-propanediol, metabolism, nutrient sources, propylene oxide 8647.
protoplasts development, association, transfection 6507.
respiratory tract diseases, association, immunocompromised hosts, man 10174.
Rhodococcus, Mycobacterium, identification, 5-fluorouracil susceptibility 1786.
surfacants effects on sterols uptake, factors affecting β-sitosterol metabolism 11235.
Nocardia, (continued)
taxonomy 8340.
thiolactomycin biosynthesis, antibacterial activity, Salmonella, Serratia, Bacteroides 11360.
thiolactomycin biosynthesis, structure 11362.
thiolactomycin production, antibacterial activity 7715.
tryptophan metabolism 12436.
tumors infection, man, immunological aspects 6148.
Nocardia amarae,
biosynthesis, surfactants, role, roots attachment 4090
Nocardia asteroides,
abscesses, immunocompromised hosts Hodgkin's disease, man, case reports 6273.
antibacterial activity, cephalosporins, N-formimidoyl thienamycin 8776.
antigenic determinants, cross-reactivity, Nocardia caviae, Nocardia brasiensis 3174.
association, abortion, pigs, case reports 6371.
cell walls deficiency, association, growth, characterization 3830.
developmental stages, association, poly(β-hydroxybutyric acid), glycogen, isolation, metabolism 6523.
endophthalmitis, association, glaucoma, man, case reports 5429.
fatty acids, monoacylglycerols, isolation, characterization 6680.
L form, morphology, cell walls, chemical composition, growth stage 2616.
genes, recombination 5832.
hand infection, treatment, complications, man, case reports 687.
immune response (cell-mediated), rabbits 1889.
immune response, lymphocytes B, role, mice 6078.
infection, horses, juveniles, case reports 7233.
infection, incidence, treatment, kidney transplantation recipients, man 797.
infection, lung, association, abortion, pigs 4562.
lung infection, nomenclature, man 13144.
milk isolates, mastitis, cattle 2387
mixed infection, Pneumocystis carinii, pneumonia, pathology, carcinoids, man, case reports 1969.
Mycobacterium fortuitum differential diagnosis, osteomyelitis, leg, man, case reports 971.
Mycobacterium tuberculosis, bronchoscopy, immunocompromised hosts, man 6998.
nocardiosis, clinical aspects, pathology, dogs 7258.
nocardiosis, immunocompromised hosts, immunological aspects, epidemiology, man 6196.
nocardiosis, new records, case reports, man, Guatemala 11734.
plasmids characterization, DNA 6748.
pneumonia, diagnosis, bronchoscopy, immunocompromised hosts, man 6998.
purification, characterization, alkaline phosphatase 11152.
systemic infection, treatment, cotrimoxazole, man, case reports 8043.
Nocardia autotrophica,
lignin biodegradation, association, carbon cycle, reviews 12361.
substrate specificity, soil, rocks 12456.
Nocardia brasiensis,
antigenic determinants, cross-reactivity, Nocardia asteroides, Nocardia caviae 3174.
Nocardia brasiliensis,
soil microorganisms, isolation, Egypt, Arab Rep. 1162.
Nocardia butanica,
glycine decarboxylase, biosynthesis, magnesium phosphate, effects on 3989.
mutants, L-serine biosynthesis, role magnesium phosphates 7531.
Nocardia caviae,
antigenic determinants, cross-reactivity, Nocardia asteroides, Nocardia brasiensis 3174.
mycetoma, mice, role, L-form 1090.
Nocardia corallina,
warfarin transformation, stereoselectivity 5652.
Nocardia corynebacteroides,
arginine biosynthesis, arginine resistant mutant bacteria 4833.
Nocardia erythropolis,
aromatic compounds catabolism 12404.
Nocardia farcinica,
lung infection, nomenclature, man 13144.
taxonomic revision, characterization 8318.
Nocardia gypsoides,
soil microorganisms, isolation, Egypt, Arab Rep. 1162.
Nocardia kirovani,
growth, nocardomycolic acids biosynthesis, isoniazid effects on 8446.
Nocardia lactamdurans,
recombination mutants, cephamycins biosynthesis, screening 8769.
Nocardia mediterranei,
ansamycin antibiotics, biosynthesis, antimicrobial activity 6772.
biosynthesis, rifamycin B, rifamycin L 7741.
biosynthesis, rifamycin Z, antitumor agents, structure 2965.
recombinants, ansamycins, 3-hydroxyrifamycin S, biosynthesis, structure, spectroscopy 2981.
recombinants, rifamycins, biosynthesis, structure 2980.
rifamycins, isolation, structure 7728.
Nocardia opaca,
hydrogen autotrophy, phenotypes, transfer, Rhodococcus erythropolis, Corynebacterium hydrocarboclastus 6715.
substrate specificity, soil, rocks 12456.
Nocardia otitidis-caviarum,
brain abscesses, leukocytes (neutrophilic) function association, man, case reports 11941.
2',3'-Di-O-acyl-α-D-glucopyranosyl-(1 → 2)-D-glyceric acid, characterization 4956.
Nocardia restricta,
androsta-4-ene-3,17-dione biodegradation, association, 3-oxosteroid Δ^1-dehydrogenase biosynthesis 6629.
Nocardia restrictus,
tomatine, degradation 3835.
tomatine, tomatidine 231.
Nocardia rhodochrous,
acetylene metabolism 5667.
physicochemical properties, characterization, cholesterol oxidase 9748.
Nocardia rubra,
arginine biosynthesis, arginine resistant mutant bacteria 4833.
Nocardicin A,
cytolytic activity, Escherichia coli 6804.

Nocardiform bacteria,
isolation, composts, chemical properties, taxonomy 12265
Nocardiopsis,
Actinomadura species taxonomic revision 10912
antigenic characteristics, immunodiffusion, Nocardia, Actinomadura, taxonomic significance 1294
transformation, L form 10951
Nocardiosis,
brain, Nocardia, association, kidney transplantation, case reports, man 6243
clinical aspects, pathology, dogs 7258
lung, association, immunosuppression, clinical aspects, treatment, man, case reports 1979
lung, embolism, association, kidney transplantation, man, case reports 11737
Nocardia asteroides, immunocompromised hosts, immunological aspects, epidemiology, man 6196
Nocardia asteroides, new records, case reports, man, Guatemala 11734.
Nocardium A,
inhibition, Escherichia coli, Bacillus megaterium, peptidoglycan transpeptidase 322
Nocardomycolic acids,
biosynthesis, Nocardia kirovani, isoniazid effects on 8446.
Noctiluca scintillans,
flagella, morphology, bacteria symbiosis 10761
Nodulation,
Acacia pulchella var.glaberrima, nitrogen fixation, growth, nutrient dynamics 8200
actinomycetes, growth, Hippophae rhamnoides subsp rhamnoides, succession, dunes 4638
Alnus glutinosa, Netherlands, Frankia, inoculation, effects on 3689
aluminum effects on, Rhizobium, Stylosanthes scabra, Stylosanthes hamata 10794
Arachis hypogaea, association, yield 1158
Arachis hypogaea, Rhizobium, nitrogen fixation 9478
Arachis hypogaea, Rhizobium, pH effects, inoculum rate effects on 1190
Caragana arborescens, induction, Rhizobium inoculation, semiarid environments 12145
Cicer arietinum, nitrogen fixation, prometryne, simazine effects on 7331
Cicer arietinum, Rhizobium, effects on roots growth 2473
competition, Rhizobium leguminosarum, markers, use, streptomycin antibiotic resistance, phage typing 9458
competition, Rhizobium meliloti, strains, Medicago 9436
competition, strains, soil types, Rhizobium, Vigna radiata 10792
competitiveness, Rhizobium leguminosarum, quantitation 10787
Frankia, nitrogen fixation, seasonal variations, Myrica gale 12146
genetic analysis, Rhizobium meliloti, Medicago sativa 8164
genetic control, Rhizobium meliloti, plasmids, genes 5510
Glycine max+Rhizobium japonicum, association, inoculation rates 2460
Glycine max, infection, mycorrhizas± Rhizobium, effects on 10763
Glycine max, Rhizobium japonicum hydrogenase, effects on seeds nitrogen content, yield 2454
Glycine max, Rhizobium japonicum, interaction soil microorganisms, fungi, mycotoxins, effects on 8156.
Glycine max, Rhizobium japonicum, selection 5517
Glycine max, Rhizobium japonicum, Trinidad 1188
Glycine max, Rhizobium, salinity effects on 5515
Glycine wrightii, Rhizobium 3690
Hippophae rhamnoides, Frankia strains, specificity 12117
Inga jinicuil, soil nutrients effects on 1212
legumes, Rhizobium, host-parasite interactions, effects on nitrogen fixation 9471
Leguminosae, Rhizobium 1178
Leguminosae, Rhizobium, susceptibility 4633
Leguminosae, Rhizobium, symbiosis, cell surface, polysaccharides, reviews 13490
Leguminosae, Rhizobium, Thailand 1198.
lens esculenta, effects on, captan seed treatments effects on 1164
Lotus corniculatus, Rhizobium strains 2449
Medicago sativa, potassium fertilizers effects on 1167
Medicago sativa, Rhizobium meliloti competition 5532
Medicago sativa, Rhizobium meliloti, fungicides seed treatments effects on 1187
Medicago sativa, Rhizobium meliloti strains effects on 6426
Medicago sativa, Rhizobium meliloti, sulfur, nitrogen, effects on 2451
mutants, Rhizobium trifolii, lipopolysaccharides, sugars 2827
nitrogen fertilizers effects on, Glycine max 2436
nitrogen fixation, Arachis hypogaea chlorosis, Senegal 9445
nitrogen fixation, drought stress, Prosopis 10795.
nitrogen fixation, Glycine max, nitrate, effects on 4626
nitrogen fixation, phosphorus uptake, mycorrhizas, growth, Trifolium subterraneum 4622.
nitrogen fixation, phosphorus, zinc effects on, Cicer arietinum 10764
nitrogen fixation, Rhizobium trifolii, soil levels, Trifolium 4641
nitrogen fixation, Rhizobium trifolii, Trifolium repens, fungicides, effects on 4624
nitrogen fixation, variation, Rhizobium trifolii, strains, Trifolium pratense 13472
Phaseolus vulgaris, Glycine max, Rhizobium, acid rain effects on 1207
Phaseolus vulgaris, growth, soils (acid), calcium carbonate, lime, inoculation, effects on 2452.
Pisum sativum, Rhizobium leguminosarum, streptomycin resistance, effects on 9989
plasmids, Rhizobium leguminosarum, recombination 12803.
presentation, succinate nutrient enrichment effects on Rhizobium trifolii morphology, electron microscopy 8213
Psophocarpus tetragonolobus, Rhizobium 2467
Psophocarpus tetragonolobus, water regimes effects on 5539
Rhizobia, herbicides effects on, pure culture 1389
Rhizobium, ability, association, polysaccharides extracellular levels 4631
Rhizobium, acetylene reduction, Medicago sativa, Lupinus mutabilis, semiarid environments 8175
Rhizobium, bacteroids formation, Phaseolus lunatus 12133.
Rhizobium, Cicer arietinum, seed treatments effects on 7321
Rhizobium, efficiency, markers, antibiotic resistance 10784.
Rhizobium genotypes, wild type competition inoculation, Dolichos biflorus 7320.
Rhizobium, herbicides effects on 2455.
Rhizobium isolates, production, applications, Leguminosae 1197
Rhizobium isolation, evaluation, South America 1163
Rhizobium japonicum, cytology, Glycine max 10770.
Rhizobium japonicum, Glycine max, association, nitrogen fixation 10799.
Rhizobium japonicum, Glycine max, Vigna unguiculata, Ivory Coast 9444
Nodulation, (continued)
Rhizobium japonicum, nitrogen fixation, characterization 5525.
Rhizobium japonicum strains, Glycine max varieties 13493.
Rhizobium, Leguminosae 5540.
Rhizobium leguminosarum, nitrogen fixation, plasmids, effects on, Pisum sativum 2442
Rhizobium leguminosarum, plasmids, transfer, bacteriocins, characterization 2921
Rhizobium leguminosarum, plasmids, transfer, host specificity, Pisum sativum 2922
Rhizobium leguminosarum, relationship, plasmid pIJ1008 transfer 12845
Rhizobium leguminosarum, Rhizobium phaseoli, plasmids, transfer, host range, Phaseolus vulgaris, Pisum sativum 2923.
Rhizobium, Lotus pedunculatus, nutrient enrichment, effects on 1224.
Rhizobium lupini, rhizosphere, Macroptilium atropurpureum, Neonotonia wightii, Lupinus, soil properties effects on 8193.
Rhizobium meliloti, growth, Medicago sativa, thiram, effects on 3094.
Rhizobium meliloti, Medicago sativa, association, rhizoplane 9430.
Rhizobium meliloti mutants, transposons, nitrogen fixation 9833.
Rhizobium meliloti, role agglutinins Medicago sativa 6417
Rhizobium meliloti, role, motility, competition 3695.
Rhizobium mutants 2433
Rhizobium, nitrogen fixation, inoculation, Glycine max, Senegal 9443.
Rhizobium, nitrogen fixation, inoculation, Leguminosae seeds 9446.
Rhizobium phaseoli, host specificity, Phaseolus lunatus, Phaseolus vulgaris 10785
Rhizobium phaseoli, specificity, Phaseolus coccineus, Phaseolus vulgaris 13504.
Rhizobium, Phaseolus vulgaris, reviews 1206.
Rhizobium, Pisum sativum, role, genetic factors 4646
Rhizobium, screening, methodology, Cajanus cajan 7334.
Rhizobium, Stylosanthes 8180
Rhizobium trifolii, β-1,2-glucan, role, β-1,2-glucan 8636.
Rhizobium trifolii, nitrogen fixation, fungicides inhibition, Trifolium repens 12131
Rhizobium, Vigna sinensis, roots exudates effects on 6413.
Rhizobium, Vigna unguiculata 1226.
Rhizobium, Vigna unguiculata, Meloidogyne incognita effects on 7318.
Rhizobium, Vigna unguiculata, Trifolium repens, Azotobacter vinelandii proteins effects on 5528.
Rhizobium+Trichoderma hamatum, seed treatments, effects on 1200.
Robinia pseudoacacia, Rhizobium 1176.
roots, Glycine max, Pisum sativum, respiration, nitrogen fixation 3687.
Trifolium alexandrinum, Rhizobium trifolii inoculation± nitrogen, effects on 1185
Trifolium repens, association, Hatch-Slack pathway dicarboxylate transport defective mutant, Rhizobium trifolii 5538
Trifolium repens, Rhizobium trifolii mutants interaction 5509.
Trifolium repens, Rhizobium trifolii, nitrogen fixation, Glomus tenuis, phosphorus fertilizers effects on 12152.
Trifolium repens, streptomycin antibiotic resistance Rhizobium trifolii 2441.
Trifolium repens, Trifolium arvense, Rhizobium trifolii 1179.
Vicia faba, Rhizobium competition 5520.
Vigna mungo, daylength effects on 1195.
Vigna mungo, potassium dihydrogen ortho phosphate, ammonium nitrate, effects on 2476
Vigna mungo, stimulation plant extracts, Moringa oleifena 6411.
Vigna unguiculata, growth, nitrate effects on 7330.
Vigna unguiculata, Rhizobium growth, sugar industries wastes 1165.
Vigna unguiculata+Rhizobium, water stress effects on 2464
Zamia pumila roots, light effects on, pure culture 10780.
Nodules,
actinomycetes, incidence, Angiospermae, Pakistan 1217.
Alnus glutinosa, glutamine synthetase, localization, characterization 10767.
Alnus glutinosa, nitrogen assimilation 5521
Alnus incana, symbiosis, Frankia, isolation 10736.
Alnus, Nocardia isolation 12138.
biomass, Inga jinicuil 1211.
biomass, Inga jinicuil, soil nutrients effects on 1212.
biomass, nitrogen fixation, Alnus rubra, Alnus sinuata, forests, Canada 3693
Casuarina, rhizosphere microorganisms symbiosis, nitrogen fixation 8198
enzymatic activity, Medicago sativa, potassium fertilizers effects on 1167.
Frankia symbiosis, suppression glyoxylate cycle, Alnus glutinosa, Hippophae rhamnoides 10783
Glycine max, nitrogen fixation 2436
Glycine max, uptake, carbon dioxide, nitrogen, association, amino acids biosynthesis, Rhizobium japonicum 6422.
Legionella micdadei, Pittsburgh pneumonia agent, lung, man, case reports 3337.
Lotus corniculatus, characterization, activity, association, shoots harvesting 8191
Lupinus luteus, association Rhizobium lupini, incidence flavin enzymes 13488
nitrogen fixation, land reclamation, soil, nutrient status, Leucaena leucocephala, Tanzania 12144.
nitrogen fixation, nitrate reductase, nitrogenase, activity, Phaseolus vulgaris, fertilizers, effects on 4645.
nitrogen fixation, Pisum sativum, nitrogen sources effects on 9456
nitrogen fixation, relationship, dry weight distribution 1166.
onium like compoumds, Leguminosae 9466
pigmentation, use, competition analysis, Vigna unguiculata, Rhizobium 10781.
Pisum sativum, morphology, Rhizobium 12134.
Pongamia pinnata, roots, association, Rhizobium, indole-3-acetic acid production 8174.
Rhizobium, gibberellin biosynthesis, effects on, growth, Phaseolus lunatus 4625.
Rhizobium, Glycine max, Vigna unguiculata, nitrogen fixation, association, phosphorus requirements 5535.
Rhizobium, Leguminosae, interaction, microscopy, characterization 6427.
Rhizobium leguminosarum, Rhizobium meliloti, Vicia villosa, Melilotus officinalis, nitrogen fixation, drought effects on, soils (saline) 1222.
Rhizobium leguminosarum+Pisum sativum, nitrogen fixation, relationship, hydrogen metabolism 2450.
Rhizobium, nitrogen fixation, association, Glycine max developmental stages 2469.
Rhizobium phaseoli, nitrogen fixation, relationship, nitrate reduction, Phaseolus vulgaris 1170.
Rhizobium trifolii, structure, Trifolium pratense, temperature, host plants, selection, effects on 3717.
Robinia pseudoacacia, Rhizobium, nitrogen fixation, assocation, spring 10766.
roots, Colletia, symbiosis, Actinomycetes, characterization 9435.
roots, induction, Coriaria arborea, infection, Frankia infection 12125.

Nodules, (continued)
roots, induction, Discaria toumatou, ultrastructure, Frankia infection 12127.
Trifolium repens, Trifolium pratense, assimilate partitioning 1192.
Nodusmicin,
derivatives, antibacterial activity, structure-activity relationships, Staphylococcus 7801.
Noma,
bone resorption, gram-positive bacteria, man 9223.
pathology, Macaca cyclopsis 2355.
Nomenclature,
Azomonas macrocytogenes, taxonomic revision, characterizaton, association, Azotobacter macrocytogenes 8343.
bacteria, breweries isolates, reviews 1290.
bacteria, taxonomy, classification 10913.
Brochothrix thermosphacta, taxonomy, spoilage, meat, reviews 8289.
Enterobacteriaceae, taxonomic revision 8313.
Enterobacteriaceae, taxonomic revision 8316.
Methanobacterium bryantii, characterization 4701.
microorganisms toxins, reviews 7882.
Nocardia asteroides, Nocardia farcinica 13144.
Psychrotrophic bacteria, Bacillus, taxonomy 8287
Salmonella fulda sp.nov., taxonomy, serotyping 10918.
Stomatococcus mucilaginosus gen.nov sp.nov, taxonomic revision, associaton micrococcus mucilaginosus, characterization 8346.
vaccines, animals, man 10274.
Non-A, non-B hepatitis,
association, endotoxemia gram-negative bacteria, Limulus lysate test, man 5163.
Non-fermentative gram-negative bacteria,
antimicrobial agents susceptibility 11387.
clinical aspects, isolation, identification, characterization 10900.
Enterobacteriaceae, antibacterial activity, β-lactam antibiotics 7792
eye experimental infection, animal models, antibiotics treatment, man 13317.
heat resistance, growth, relationship virulence 8452.
identification, association, microtube test detection, carbohydrates oxidation 2556.
identification, AutoMicrobic test 2539
role, infection, man 2219.
Non-specific urethritis,
association, Chlamydia trachomatis infection, treatment, amoxicillin, man 919.
Chlamydia trachomatis, clinical aspects, treatment, males, man 9154.
Chlamydia trachomatis, epidemiology, disease control, man 13231.
Chlamydia trachomatis, Ureaplasma urealyticum, seroepidemiology, man 7049.
differential diagnosis, urethritis, Neisseria gonorrhoeae, man 13230.
disease control, clinical manifestations, man, reviews 2166.
doxycycline treatment, man 13232.
Mycoplasma, Chlamydia, diagnosis, man 13190.
treatment, etiology, Chlamydia trachomatis, clinical manifestations, man, reviews 2167
treatment, minocycline, man 916.
treatment, rosaramicin+tetracycline, man 8005.
urethritis, Neisseria gonorrhoeae, diagnosis, Limulus lysate test, man 2140.
Nonproducer cells,
mitomycin C, Streptomyces caespitosus mutants, characterization 8725.
Nonsense mutant,
Escherichia coli, btuB gene receptors function 12773
Nontarget organisms,
Apanteles glomeratus, Pimpla turionellae, toxicity, Bacillus thuringiensis var. kurstaki 9385.
Norepinephrine,
levels, Mycobacterium tuberculosis, tuberculosis, plasma, man 3346.
Norflaxacin,
antibacterial activity, comparison, chemotherapeutics, oral administration 9982
Norfloxacin,
comparison, β-lactam antibiotics, aminoglycoside antibiotics, trimethoprim, antibacterial activity, gram-negative bacteria, gram-positive bacteria 8825.
comparison, β-lactam antibiotics, antibacterial activity, bacteria, clinical isolates 8822
comparison, antimicrobial agents, urinary tract isolates, antibacterial activity 8821
Normal subjects,
pigs, tonsil, isolation, Yersinia enterozolitica, Yersinia pseudotuberculosis, seasonal variations 9358
Norway,
case reports, legionnaire's disease, Legionella pneumophila, association, Salmonella typhi, antigen O, immune response, man 6907
cattle, Staphylococcus aureus mastitis incidence 5482.
enteritis, Campylobacter fetus subsp.jejuni, clinical isolates incidence, children, man 11789
immunoglobulin G, seroepidemiology, Legionella pneumophila, indirect fluorescent antibody test, man 11607.
man, bacteria infection, incidence, hospitals 5421.
Noscomial infection,
tuberculosis, lung, man 6191.
Nose,
carriers, pathogens, bacteria, man, Papua New Guinea 11945.
incidence, Staphylococcus aureus, association, renal failure, immunocompromised hosts 6948.
infection, bacteria, pathology, etiology, man, reviews 6992.
isolation, Staphylococcus aureus, assays, man 10284.
isolation, Streptococcus pneumoniae, Haemophilus influenzae, association, otitis media, man 7971.
microflora, incidence, Mycoplasma, Chlamydia, cattle 13365.
microflora, incidence Staphylococcus aureus, relationship, yeasts, propionibacterium, diphtheroids, staphylococcus, man 667
pigs, Bordetella bronchiseptica, isolation, media (selective) 1255.
polyps, association, paranasal sinus infection, children 10316.
secretions, immunoglobulin A, immunoglobulin M, Staphylococcus aureus immunity, man, space flight effects on 8972.
septa abscesses, complications, dental infection, Staphylococcus, man, case reports 11686
septa, bacteria abscesses, diagnosis, pathology, man 9117.
teeth eruptions, association, maxilla osteomyelitis, children, case reports 9285
tuberculosis, man, case reports 6178
Nosiheptide,
antibacterial activity, Streptomyces, protein biosynthesis, antibiotic resistance 5945
Nosocomial environment,
feeding apparatus, bacteria infection, man 13271.
Nosocomial environments,
Acinetobacter, isolation 10821.
association, burn infection, Pseudomonas aeruginosa isolation, clinical aspects, case reports, man 8970.
association water, Legionella micdadei isolation 10321.
burn patients, antibiotic resistance Staphylococcus aureus, epidemiology 8793.
camparison, risk factors, wound infection, surgery, Staphylococcus aureus, man 10599
carpets, disinfectants, antibacterial activity, Pseudomonas aeruginosa 8818.
colitis, Clostridium difficile, epidemiology, man 10380.
Enterobacteriaceae isolates, antibiotic resistance, carbenicillin, gentamicin, tobramycin, role, R factors 5956.
geriatrics, man, respiratory tract infection, characterization 7972.
gram-negative bacilli, ceftazidime, antibacterial activity 324.
incidence, Staphylococcus aureus resistant mutant gentamicin 6830.
incidence, syphilis, man 13239.
isolates, Klebsiella, R factors, F lac factor, col factor, plasmids, antibiotic resistance, clinical aspects, man 5887.
laminar air flow, antibiotic therapy, prophylaxis, bacteria, infection, leukemia, man 3450.
man, bacteria, infection, epidemiology, institutions 2227.
man, pseudomembranous colitis, disease transmission, case reports 10365.
nosocomial infection, disease control, immunocompromised hosts, antimicrobial resistance, bacteria, man, conferences, books 10835.
personnel, disease control, infectious diseases, man 11926.
personnel, syringes injuries, man 11927.
Pseudomonas aeruginosa drug resistance 10056.
Salmonella livingstone, salmonellosis, treatment, tetracycline, mice, laboratory animals 4576.
Salmonella typhimurium infection, gastroenteritis, meningitis, septicemia, case surveys 6264.
seeing-eye dogs, association, infection, man 11904.
Staphylococcus aureus, isolation, epidemiology 10822.
Nosocomial infection,
Acinetobacter calcoaceticus, bacteremia, clinical aspects, man 12025.
Acinetobacter calcoaceticus, incidence, antibiotic resistance, man, hospitals 2079.
Acinetobacter calcoaceticus var.anitratus, peritonitis, dialysis, man, case reports 7124.
Acinetobacter, Klebsiella, Enterobacter, hand, personnel, hospitals, man 3515.
antibiotic prophylaxis, risk factors, etiology, man 11921.
association, environmental monitoring, incidence, epidemiology 10540.
bacteremia, gram-negative bacilli, epidemiology, man, reviews 11867.
bacteremia, gram-negative bacteria, vaccination, clinical trials, man 11636.
bacteremia, incidence, man, hospitals, USA, South Carolina 2233.
bacteria, antibiotic resistance, man 10006
bacteria, biotyping, serotyping, epidemiology, methodology 9577.
bacteria, clinical aspects, disease control, children 10519.
bacteria, epidemiology, disease control, man 11977.
bacteria, etiology, clinical aspects, man 7192.
bacteria identification, clinical microbiology, man 9567.
bacteria, immunocompromised hosts, disease control, incidence, diagnosis, man 10513.
bacteria isolation, hospitals, control programs, man 10581.
bacteria, septicemia, Epidemiology, man 1042.
bacteria, surgery, mezlocillin, +oxacillin treatment, man 12016.
bacteria, viruses, surveillance, control, man, hospitals, Scandinavia 10546.
bacteriuria, Escherichia coli, epidemiology, use, antigen O typing, geriatrics 2050
clinical isolates, antibiotic resistance, Serratia marcescens, man, USA, Tennessee 10605.
clinical isolates, Klebsiella, Enterobacter, phage typing, antibiotic sensitivity testing, incidence 9574.
Clostridium, gas gangrene, epidemiology, man 2213.
colonization, Pseudomonas cepacia, epidemiology, man, hospitals, USA, Virginia 10535.
control programs, hospitals 1021.
control programs, hospitals personnel 10574.
control programs, surveillance, hospitals, man, models 10567.
control programs, surveillance, man 10577.
control, use, sterilization environments, treatment, burn patients, man 1041.
Corynebacterium, antibiotic resistance, new records, immunocompromised hosts, man 10635.
detection, disease control, man, hospitals 3473.
detection, prophylaxis, surveillance methodology, man 10525.
diarrhea, Yersinia enterocolitica, case reports, man 7012.
disease control, antibiotic prophylaxis, use, surgery, factors affecting, man 10566.
disease control, immunocompromised hosts, isolation units, man 11915.
disease control, ointments, treatment, catheters, man 11870.
disease control, prophylaxis, association, antibiotic resistance bacteria, man, hospitals 10550.
disease control, prophylaxis, man, hospitals, conferences 10840.
disease control, surveillance, epidemiology, man 10526.
disease control, surveillance, methodology 10530.
drug resistance, disease control, etiology, man 10610.
Enterobacteriaceae, hygiene, hospitals 3448.
environmental effects, disease control, man, reviews 10560
epidemiology, gastroenteritis, bacteremia, bacteria, man 10506.
epidemiology, relationship, wound infection, surgery, man 10509.
epidemiology, statistical analysis, factors affecting, man, hospitals, reviews 10521.
epidemiology, surveys, man, conferences 10844.
etiology, epidemiology, infants, man 964.
gentamicin antibiotic resistance gram-negative bacilli, bacteremia, risk factors, man 1020.
gram-negative bacilli, risk factors, neonates, man 11924
gram-negative bacteria, gentamicin antibiotic resistance, R factors, man 10007.
gram-negative bacteria, hospitals, man 10470.
gram-negative bacteria, isolation, intensive care units, man 10480
hospitals, incidence, variation, man, case surveys 2326.
hospitals, man 9254.
incidence, antibiotics treatment, hospitals 1022.
incidence, epidemiology, risk factors, man, USA 10522

comial infection, (continued)
idence, hospitals, obstetrics, gynecology, man 9291
idence, intensive care units, man, surveys 8044
idence, measuring techniques comparison, man, hospitals, reviews 10518
idence, risk factors, man 11879
ensive care units, patients, interaction, risk factors, man 11925
ebsiella, gentamicin, antibiotic resistance, epidemiology, plasmids, man 10021
ebsiella pneumoniae, bacteriocin typing, man 6472
gionnaire's disease, Legionella pneumophila, risk factors, epidemiology, man 10354
an, bacteria, antibiotic resistance, disease control 11423
an, clinical isolates, Serratia marcescens, virulence, mice, association antigen O 11552.
an, hospitals, epidemiology, Israel 10515
an, Staphylococcus aureus, plasmid pUW3626, comparison, Staphylococcus epidermidis 6753
eningitis, Staphylococcus aureus, association, intravenous administration catheters, man, case reports 4438
organella morganii, epidemics, hospitals, man 4482
isseria meningitidis, pneumonia, epidemiology, man, case reports 793
onates intensive care units, risk factors, factors affecting, man 3542.
onates, man, bacteria, characterization 11878
onates, man, outbreaks, Serratia marcescens 2178
onates, sepsis, antibiotic resistance Enterobacteriaceae, observation methods, man 9203
socomial environments, disease control, immunocompromised hosts, antimicrobial resistance, bacteria, man, conferences, books 10835
cupational exposure, risks, hospitals, man 9262
currence, association, risk factors, clinical aspects, man 10537
tbreaks, Salmonella heidelberg, plasmids, penicillinase, epidemiology, man 10594
tbreaks, Staphylococcus aureus, antibiotic resistance, oxacillin+aminoglycoside antibiotics, man 967
thogens, new records, man, characterization 10510
eumocystis cavinii, pneumonia, diagnosis, man 4390
eumonia, association, respirators, gram-negative bacteria, incidence, etiology, man 11701
eumonia, gram-negative bacilli, epidemiology, etiology, man, reviews 11699
eumonia, prophylaxis, Bacillus, gram-negative bacteria, man 7979
eumonia, role, gram-negative bacteria, colonization, oropharynx, antibiotic therapy, man 3341
eumonia, Staphylococcus aureus, complications, lung ventilation, man 786
ognosis, disease control, man, reviews 10504
ophylaxis, control, man, hospitals, reviews 10512
ophylaxis, management, control programs, man, hospitals 10558.
eudomembranous colitis, case reports, man 11781
eudomonas aeruginosa, Escherichia coli, Proteus mirabilis, catheters contamination, geriatrics 10529
eudomonas aeruginosa, gram-negative bacteria, pneumonia, treatment, tobramycin, man 5294
eudomonas aeruginosa, Proteus, Klebsiella, hospitals, incidence 8031.
eudomonas aeruginosa, Proteus, Klebsiella, incidence, hospitals, man 8033
eudomonas aeruginosa, treatment, cefsulodin, man 7168
eudomonas aeruginosa, treatment, cefsulodin, man 8037
eudomonas aeruginosa, wound infection, association, hydrotherapy, man, hospitals 2258
eudomonas cepacia, diagnosis, methodology, man 13296.
eudomonas maltophilia bacteremia, heart surgery, children 960
sk factors, complications, steel syringes, comparison, teflon catheters, man 11875.
sks, association, intensive care units, medical equipment, man, hospitals 10532.
sks, control programs, surveys, hospitals, man 10590
sks, hospitals, man, surveys 10570
sks, surveys, hospitals, man 10587
pticemia, Aeromonas hydrophila, case reports, man 2195
pticemia, blood pressure monitoring medical equipment, etiology, man 11872
pticemia, epidemiology, intensive care units, neonates, man 972
pticemia, Staphylococcus epidermidis, antibiotic resistance, intensive care units, man 4465
rrata, epidemiology, hospitals, man 10564
rratia marcescens bacteremia, source, saline solution, man, intensive care units, hospitals 3474.
rratia marcescens, benzalkonium chloride contamination, hospitals, animals 2351
rratia marcescens, Epidemiology, Veterinary medicine hopsitals, dogs, cats 4565
nusitis, gram-negative bacteria, treatment, man 9112.
eticemia, meningitis, risk factors, etiology, disease control, neonates, man 11869
aphylococcus aureus, antibiotic resistance, methicillin, case reports, man 12009
aphylococcus aureus, isolation, intensive care units, man 10481
aphylococcus aureus, methicillin+gentamicin, antibiotic resistance, disease control, infants, man 10620.
reptococcus group B, transmission (horizontal), infants man 7208.
reptococcus pneumoniae, pneumonia, diagnosis, clinical aspects, epidemiology, geriatrics, man 2012.
rveys, man, hospitals 10585.
berculosis, incidence, geriatrics institutions, man, USA, Arkansas 10478.
nary tract, Escherichia coli, etiology, risk factors, man 10403
nary tract infection, association, catheters, risk factors, females, man 10405
nary tract infection, bacteria, prophylaxis, cotrimoxazole, man 847
nary tract infection, detection, role, catheters monitoring, man, hospitals 2078.
nary tract infection, Providencia stuartii, serotyping, man, hospitals 2082.
nary tract infection, serratia marcescens, association, medical instruments, disease control, man 10406
und infection, airborne bacteria, surgery, sepsis, man 10597.
und infection, surgery, disease control, antibiotics, antiseptics, man, reviews 10562
zomial infection,
crotizing enterocolitis, neonates, man, Staphylococcus epidermidis, Pseudomonas aeruginosa, Clostridium perfringes type C, Clostridium butyrizum, Bacillus cereus 7992.
Novobiocin,
analogs, antibacterial activity, inhibition, DNA gyrase, Escherichia coli, structure-activity relationships 11058
antibiotic resistance markers, association, plasmids gene expression 12770.
Bacillus subtilis, effects on sporulation 12955.
Bacillus subtilis sporulation inhibition 7419.
effects on, Escherichia coli, plasmid pBR322, gene expression, DNA gyrase, 2942.
Noxytioline,
treatment, peritonitis, rats 13331.
Nuclear division,
association, mutation induction, phenotypes, expression, Escherichia coli 6703.
Nuclear medicine,
hospitals, bacteremia, Achromobacter xylosoxidans, epidemiology 7106.
Nuclear Overhauser effect,
tRNA Val conformational analysis, Escherichia coli 6585
Nuclease,
activity, Klebsiella+phages 4985.
biosynthesis, association, spoOH locus, Bacillus subtilis 12780
characterization, Staphylococcus aureus 209.
plant cells, detection, Agrobacterium tumefaciens Ti plasmid, electrophoresis 4140.
purification, subunit structure, physicochemical properties, Thermus thermophilus 5754.
Nuclease A,
fragments, conformation relationship activity, Staphylococcus aureus 7575.
Nuclei,
bacteria, cold resistance, association, frost damage, Citrus 2560.
L cells, localization, growth, Rickettsia tsutsugamushi 7440.
phenotypes, Amoeba proteus, bacteria symbiosis effects on 10759.
Nucleic acids,
hybridization, comparison, Agromyces, Arthrobacter, Curtobacterium, Brevibacterium, Corynebacterium, Microbacterium 12523.
radioactive labelling, RNA biosynthesis, DNA biosynthesis, bacteria 12511.
Nucleoids,
bacteria, electron microscopy, methodology 12221.
Caulobacter crescentus, morphology, sedimentation, centrifugation, electron microscopy 9579
Caulobacter crescentus, RNA, transcription, translation 8506.
DNA polymerase activity, Escherichia coli 4862.
Escherichia coli, centrifugation, effects on sedimentation 6525.
Escherichia coli, mutants, DNA breaks, apurinic sites, methylmethanesulphonate, effects on 1435.
temperature effects, Escherichia coli 154.
Nucleoproteins,
Thermoplasma acidophilum, X-ray scattering 9705.
Nucleoside 5'-diphosphate-3'-diphosphates,
Streptomyces adephospholyticus, purines, pyrimidines, protein biosynthesis, regulation 5718.
Nucleoside 5'-triphosphate-3'-diphosphates,
Streptomyces adephospholyticus, purines, pyrimidines, protein biosynthesis, regulation 5718.
Nucleosides,
transport, marine bacteria, characterization 6516.
Nucleosomes,
histones cleavage, Staphylococcus aureus proteinase 4043.
models, transcription chromatin, RNA polymerase, Escherichia coli 11082.
Nucleotidase,
kinetics, membranes, aquatic bacteria 2760.
3'-Nucleotidase,
Bacillus subtilis, localization, role, RNA metabolism 2793.
5'-Nucleotidase,
Bacillus subtilis, activity, nucleotides deficiency effects on 6632.
Bacillus subtilis, localization, role, RNA metabolism 2793.
Escherichia coli, release, osmotic shock, characterization 1499.
Vibrio costicola, role adenine nucleotides transport 8377.
Nucleotide,
binding sites, RNA polymerase, affinity labelling, Escherichia coli 4901.
Nucleotide 5',3'-polyphosphates,
Escherichia coli, effects on RNA biosynthesis 12531
Nucleotide sequence,
adenosinetriphosphatase subunits genes, Escherichia coli 6722.
alkaline phosphatase genes, Escherichia coli 2814.
arginine operon, Escherichia coli 12795
asd gene, Escherichia coli 6695
Aspergillus nidulans rRNA 15S genes 166
biotin operon, mutation, Escherichia coli 4114.
Citrobacter freundii tryptophan operon regulation regions, comparison, Escherichia coli, Salmonella typhimurium 12522.
crp gene, Escherichia coli 4104.
crp gene, Escherichia coli 4109.
deo operon transcription initiation sites, Escherichia coli 5845.
DNA, adenosinetriphosphatase genes, Escherichia coli 8666.
DNA, alanyl-tRNA synthetase genes, comparison amino acid sequence, Escherichia coli 4926
DNA, ampC gene, Escherichia coli 2878.
DNA, analysis, use plasmid pUR 250 12848.
DNA, araB gene, araC gene, Salmonella typhimurium 4797.
DNA, arabinose promoter promoters multiple forms, cloning, Escherichia coli 11264
DNA, aroG gene, Escherichia coli 7668.
DNA, colicin E1 genes, Escherichia coli 9674.
DNA, colicin E1 genes, location promoters, operators regions, Escherichia coli 5814.
DNA, comparison RNA polymerase subunits amino acid sequence, Escherichia coli 4978.
DNA, correlation, gene mapping, lacI gene mutation, Escherichia coli 11267.
DNA, deletion, hybrids, plasmid pSC101, phage λ 4142.
DNA, deletion mutant, insertion sequence 1, R factor R100 11255.
DNA, Escherichia coli, recognition, endodeoxyribonuclease Eco RI 2704.
DNA, frdA gene, Escherichia coli 9839.
DNA, genes δ-subunit adenosinetriphosphatase, loci, gene mapping, Escherichia coli 11054.
DNA, ilv gene, λ phage transduction Salmonella typhimurium, comparison Escherichia coli 1439
DNA, insertion sequence 5, phage Mu 4796.
DNA, insertion specificity, transposon Tn10, bacteria 4110.

Nucleotide sequence, (continued)
DNA, localization tRNA Ile, tRNA Ala genes, Bacillus subtilis 4108
DNA, mal operon, relationship function 8670.
DNA, penicillinase genes, Bacillus licheniformis 4798.
DNA, penicillinase genes, Escherichia coli, comparison Pseudomonas aeruginosa, evolution 2869
DNA, penicillinase genes, Escherichia coli, comparison Pseudomonas aeruginosa 5742.
DNA, plasmid pBR325 5024
DNA, plasmid pT181 repC gene, Staphylococcus aureus 11046.
DNA, promoters, histidine, arginine, transport operons, Salmonella typhimurium 11040.
DNA, relationship, conformation, Escherichia coli 2700.
DNA, relationship protein biosynthesis, basic proteins, Escherichia coli 9675.
DNA replication origin, Erwinia carotovora 5698.
DNA replication origin, plasmid pT181 11308.
DNA-binding protein genes, Escherichia coli 4976.
cDNA, promoters regions, rrnG locus, Escherichia coli 7644
dnaG gene, Escherichia coli 11051.
enterotoxins genes subunits, Escherichia coli 12784
Escherichia coli DNA, insertion sequence 5 11063.
Escherichia coli, DNA, insertion sequences, transposon Tn4 7707
Escherichia coli, DNA, promoters, bacteriocins operons, gene regulation, plasmids 5876
Escherichia coli, dnaA gene, rpmH gene, promoters 12515.
Escherichia coli, phoA gene, promoters, signals proteins, amino acid sequence 4093.
Escherichia coli, phosphoenolpyruvate, amino acid sequence, cloning genes 7652.
Escherichia coli ribosomal protein S10 operon operons 12514.
Escherichia coli, rpoC gene, nucleotide sequence, RNA polymerase β'-subunit amino acid sequence 7663.
Escherichia coli, rRNA 3'-terminus 7520.
Escherichia coli tnaA gene 257.
Escherichia coli transposon Tn21 termini 2935.
Escherichia coli, trpS gene, characterization, cloning 2941
frd operon, ampC operon, Escherichia coli 11268.
frdB gene, Escherichia coli 11043.
genes duplication, Klebsiella aerogenes mutants, association, ribitol dehydrogenase 12771.
genes, promoters, Bacillus subtilis, transcription, regulation 1584.
homology, DNA, elongation factor Tu genes, Escherichia coli, chloroplasts, Chlamydomonas reinhardtii 11041.
homology, role plasmids DNA transformation Streptococcus pneumoniae 6739.
homology rRNA 5S genes, man mitochondria, bacteria 5726.
ilvG gene, frameshift mutant, Escherichia coli 5834.
initiation factor 3 genes, Escherichia coli 5707.
initiation sites, ribosomes binding sites, penicillinase genes, Staphylococcus aureus 4884
Klebsiella aerogenes, tryptophan operon regulation regions 12521.
lex A gene, transcription, Escherichia coli 4102.
Mycoplasma, comparison, Acholeplasma 1432.
nifD gene, comparison amino acid sequence nitrogenase subunits, Clostridium pasteurianum 2736
nifH gene, nitrogenase, characterization, Rhizobium meliloti 253.
ompA gene promoters, cyclic AMP-binding protein binding sites, Escherichia coli 1634
ompA gene, Shigella dysenteriae, comparison Escherichia coli 5821
operons, promoters, mal T gene, clones, gene products, identification, purification, Escherichia coli 11062
penP gene, Bacillus licheniformis 7666.
Physarum polycephalum, rRNA gene, introns, homology, Escherichia coli 160.
plasmid pBR322, effects on SV40 replication 7695.
plasmid pNE131, antibiotic resistance, erythromycin, characterization, Staphylococcus epidermidis 2947.
polA gene DNA, Escherichia coli 8662.
promoters, N-terminus, α-amylase genes, Bacillus amyloliquefaciens 4799.
promoters, phage SP01, binding RNA polymerase+proteins, gene 28 4130.
promoters, RNA polymerase association, Bacillus subtilis 159.
psoralen cross-linking sites, probes secondary structure, Escherichia coli 6596.
pyrI gene, Escherichia coli 12507.
relationship, Aeromonas hydrophila, Aeromonas caviae, Aeromonas sobria 153.
ribosomal protein S1 genes, Escherichia coli 5822.
RNA polymerase subunits genes, Escherichia coli 12572
rRNA, comparison eukaryotes, prokaryotes 3895.
rRNA 16S fragments, Escherichia coli 5714.
rRNA 16S, taxonomic revision, Peptococcus saccharolyticus, Micrococcus mucilaginosus, Staphylococcus 2564.
rRNA 23S Escherichia coli, isolation 1459
rRNA 4.5S chloroplasts Zea mays, rRNA 23S Escherichia coli, homology 2706.
rRNA 5S, Lactobacillus viridescens 9692
rRNA 5S, Paracoccus denitrificans, Prochloron 5725.
rRNA 5S, rRNA 5.8S, comparison eukaryotes, bacteria 8499
rRNA 5S, Spiroplasma, Mycoplasma mycoides 12540.
rRNA 5S, Sulfolobus acidocaldarius 2720.
tRNA binding sites, rRNA 16S, Escherichia coli 7513.
tRNA Lys isoacceptors, Bacillus subtilis 7508
tRNA Val, Bacillus subtilis 4821
tRNA Val binding sites, rRNA 16S, cross-linking, ribosomes, Escherichia coli 12529.
rpsA gene, Escherichia coli 9718.
rrnB operon, gene mapping, Escherichia coli, plasmids, recombinants 2850.
Salmonella typhimurium trpE gene, comparison, Escherichia coli 12503.
specificity, endodeoxyribonuclease BamH1, Bacillus amyloliquefaciens 5739.
specificity, endodeoxyribonuclease BamH1, Bacillus amyloliquefaciens 5740.
Staphylococcus aureus, plasmid pC194, gene mapping, chloramphenicol antibiotic resistance 6745.
Staphylococcus aureus, plasmid pE194, antibiotic resistance, gene mapping, replication 6744
Staphylococcus aureus, plasmid pSN2, role enterotoxins biosynthesis 6737.
suppressors, DNA replication, Bacillus subtilis 11050.
suppressors, tRNA Gly, Escherichia coli 1448.
tryptophan operon, reviews, Escherichia coli 1460.
uvrB gene, Escherichia coli, promoters, regulation 2858.
Vibrio anguillarum biotypes 1680.

Nucleotides,
binding, adenosinetriphosphatase, magnesium effects on activation, chromatophores, Rhodospirillum rubrum 6554.
binding elongation factor G, fluorescence polarization, tryptophan chemical modification, Escherichia coli 12530.
binding sites, elongation factor Tu, C.D., Escherichia coli 1455.
biosynthesis, coryneforms, biochemical characteristics 10908.
biosynthesis, glial cells, bacteria lipopolysaccharides effects on 496.
biosynthesis, metabolism, Corynebacterium 12562.
biosynthesis, Propionibacterium shermanii immobilized cells 12524.
deficiency effects on, Bacillus subtilis, phosphodiesterase I, 5'-nucleotidase, activity 6632.
effects on Mycobacterium lepraemurium growth 4761.
guanine, interaction, Escherichia coli elongation factor G, thermodynamics 4814.
levels, caffeine effects on, relationship DNA biosynthesis, Escherichia coli 8494.

Nude mouse,
pneumonitis, Chlamydia trachomatis, immunoglobulin G, immunoglobulin A, role, immune response 6108.

Nursing,
bottles, dental caries, oral microflora, infants, man 13096.
infants, man, diarrhea, Escherichia coli, treatment, amikacin 3367.

Nutrient availability,
Azotobacter chroococcum continuous culture, hydrogen production, nitrogenase 2666.
bacteria, incidence, soil, population dynamics 12148.
effects on, Bacillus subtilis, mutants, transcription, genes, sporulation 1613
effects on, Escherichia coli, methionine metabolism, peptides 2726.
effects on, Escherichia coli, methionine metabolism, peptides 2727.
phosphorus, growth, Rhizobium 8403.

Nutrient concentrations,
effects on, Azotobacter beijerinckii, AMP, ADP, ATP, levels 1411.

Nutrient content,
media, effects on, Gluconobacter oxydans subsp.suboxydans glycerol oxidation 4767.

Nutrient cycles,
nitrogen, soil microorganisms 6409
solar radiation effects on, heterotrophic bacteria, coastal waters 8218.
sulfur, nitrogen, carbon, soil microorganisms 5526.
sulfur, sulfate-reducing bacteria, Thiobacillus, rhizosphere, Picea 10793.

Nutrient deficencies,
Klebsiella aerogenes, growth, thermodynamics, chemostats 3862.

Nutrient deficiencies,
effects on, respiration, bacteria, populations, roots, Triticum 3705.
iron, effects on Rhizobium japonicum heme biosynthesis 9696.
microorganisms, growth rate, mathematical models 11013.
soil, Rhizobium inoculation, Cajanus cajan 1189.

Nutrient dynamics,
Acacia pulchella var.glaberrima, nitrogen fixation, nodulation, growth 8200.
bacteria, population dynamics, roots exudates, rhizosphere, crop plants 13462.
cellulose biodegradation, phosphate effects on, soil 2434.
detritus, food sources, aquatic organisms 12179.
leaf litter decomposition, USA, Great Dismal Swamp 9469.
microcosms, physicochemical properties, freshwater ecosystems, microcosms 9488
mineralization, decomposition, trophic relationships, microorganisms, soil 9437.

Nutrient enrichment,
effects on, Rhizobium, nodulation, nitrogen fixation, competition, Lotus pedunculatus 1224.
succinate effects on Rhizobium trifolii morphology, presentation, nodulation, electron microscopy 8213.

Nutrient requirements,
Bacillus subtilis, mutants, glutamine, glutamine synthetase, genetic analysis, gene mapping 2856.
Bacillus subtilis, proteinase biosynthesis 12639.
bacteria symbiosis, Chlorella vulgaris 98.
Corynebacterium glutamicum, biosynthesis, glutamic acid 12561.
Corynebacterium glutamicum, media (culture), L-lysine biosynthesis 8542.
coryneforms 12399.
Cytophaga johnsonae, auxotrophy mutants, growth 1270.
effects on Escherichia coli growth 10969.
Erwinia carotovora, soft rot, taxonomy, Beta vulgaris 1326.
Escherichia coli, defective mutant, polyamines, biosynthesis, putrescine, spermidine 2641
Gluconobacter, Acetobacter, Frateuria, nitrogen 3847.
Haemophilus, clinical isolates, phenotypes identification 8314.
Haemophilus somnus, growth, thiamine pyrophosphate, media (culture) 1390.
Lactobacillus, auxotrophs, mutants, amino acids biosynthesis, genetic analysis 1477.
marine microorganisms, bacteria 8243.
media (culture), metabolism, methanol, hydrogen+carbon dioxide, Eubacterium limosum 115.
Methanobacterium, morphology, isolation, animal wastes 2573.
microorganisms, mines acidic waste water, iron oxidation 5641.
Mycobacterium leprae, growth, in vitro, in vivo, reviews 7454.
Mycobacterium lepraemurium, growth, in vitro, factors affecting 1402.
Neisseria gonorrhoeae, salpingitis isolation, man 915.
nitrogen, Bacillus subtilis var.amyloliquefaciens, association extracellular enzymes, proteinase biosynthesis 12598.
nitrogen, carbon, association, amino acids, Frankia isolation, Alnus viridis 10981.
protein biosynthesis, Coxiella burnetii 1474.
Rhizobium, nitrogenase, nitrogen fixation 13464.
Rhizobium, variation 2669.
Rhodospirillineae, iron effects on growth 12434.
septicemia, man 13297.
Staphylococcus aureus, thymine, media (culture) 7364.
Streptococcus, variants, blood culture, growth 4765.
Streptomyces erythreus, optimum erythromycin biosynthesis, mathematical mode 8748.
Streptomyces venezuelae, effects on α-D-glucosidase induction 11130.
sulfur, Acetivibrio celluloyticus growth 12422.
Thiobacillus, chemoautotrophy, heterotrophy, chemostat culture 1407.
Thiocapsa roseopersicina, factors affecting superoxide dismutase biosynthesis 11219.
trace elements, phosphates, vascular permeability factor biosynthesis, Vibrio cholerae 237.
Vibrio cholerae biosynthesis, vascular permeability factor, trace elements,

trient requirements, (continued)
phosphate 2847
ibrio parahaemolyticus 9635
ersinia enterocolitica, characterization, reviews 8326
ymomonas mobilis, continuous culture 7452
trient solutions,
hizobium, aluminum effects on survival 7450
trient sources,
cetate, oil, sulfate-reducing bacteria 12394
lcaligenes, ϵ-aminocaproic acid dimers metabolism, characterization, association plasmids 8410
lkanes, mixed culture, Bacillus, Candida parapsilosis, growth, characterization 7443
-amino-5-hydroxymethylpyrimidine, role thiamine biosynthesis, Escherichia coli, Bacillus subtilis, Saccharomyces cerevisiae 5662
ssociation, media (transport), Neisseria gonorrhoeae, clinical isolates 7356.
acteria, phytoplankton exudates, primary production, size distribution, coastal environment, eutrophic environments 12163
acteria, sulfur, biodegradation, ametryne, prometryne 5647
arbon, phosphorus, Azotobacter vinelandii, alginate production 7
ffects on, Bacillus subtilis, mutants, spore germination 2862
ffects on, Mycobacterium avium cell cycle 5650
ffects on, Streptomyces badius biodegradation, lignin, cellulose 103
eterotrophic bacteria, carbon uptake, phytoplankton photosynthesis, lakes, Sweden 12167
ropylene oxide, Nocardia, 1,2-propanediol, metabolism 8647
hiobacillus thioparus, sulfur air pollution deposition, leaves, Acer pseudoplatanus 7315.
wood extracts, bacteria growth association 12209
trient status,
soil, land reclamation, nitrogen fixation, nodules, Leucaena leucocephala, Tanzania 12144
trient uptake,
growth, lakes, heterotrophic bacteria, Brazil 12185
Trifolium repens, Lotus pedunculatus, +Rhizobium, +nitrate, phosphorus effects on 1172
trient utilization,
microorganisms, relationship, growth rate 1399
trients,
digestion, isobutylidine diurea, nitrogen sources, protein biosynthesis, rumen, cattle 8080
environmental impact, aquatic ecosystems, sediments, microcosms 9489
media (culture), use, enumeration, heterotrophic microorganisms, bacteria, rivers 1278
population dynamics, streams, alpine environments, bacteria 7338
uptake, bacteria, roots infection, dieback, Abies alba 12088
trition,
bacterioplankton, community composition, Alaska 1246
Caulobacter, reviews 3795
Cellulomonas flavigena 3853
nodulation, nitrogen fixation, phosphorus, zinc effects on, Cicer arietinum 10764
phosphorus, growth, Rhizobium japonicum 8405
plant diseases, host-pathogen interactions, review 5496
potassium, effects on, respiration, bacteria, populations, roots, Triticum 3706
relationship, oral diseases, man 3301
role intestinal microflora, gnotobiotics, laboratory animals 9376
role intestinal microflora, man 11657
tritional shifts,
burn patients, role, sepsis diagnosis 11885
tritional status,
association, hypersensitivity (delayed), BCG vaccination, children 9029
interaction, infectious diseases, Escherichia coli, Shigella, role, case surveys, children 7160
stagmus,
association, meningitis, Haemophilus influenzae, pathology, man, case reports 889

esity,
treatment, association, glomerulonephritis, vasculitis, antigen-antibody complexes, Klebsiella pneumoniae, immune complex diseases, man 7942
treatment, gastrointestinal tract surgery effects on intestinal microflora, man 666
servation methods,
bacteria, flagella 1346
filamentous microorganisms, staining, malachite green+2(p-iodophenyl)-3-(p-nitrophenyl)-5-pheryl tetrazolium chloride, activated sludge 5568
microscopy, bacteria, staining, cytology, plants 12215
microscopy, specimens, staining, diagnosis, identification, clinical microbiology 13254
hizosphere, Bouteloua gracilis, Protozoa, fungi, bacteria 4621
sepsis, neonates, nosocomial infection, antibiotic resistance Enterobacteriaceae, man 9203
stetrics,
hospitals, incidence, nosocomial infection, man 9291
surgery, associaton, postoperative infection, antibiotics prophylaxis, man 9267
surgery, postoperative infection, treatment, metronidazole, man 10449
cupational exposure,
abattoirs, Coxiella burnetii, Q fever, man 4458
abattoirs, Streptococcus suis infection, man, case reports 6266
allergic alveolitis, Bacillus subtilis, Bacillus cereus, man 5242
Brucella infection, abattoirs, serological surveys 4509
rucellosis, Brucella abortus, abattoirs, serology, man 6286.
yssinosis, gram-negative bacteria, etiology, toxins, Gossypium, man, reviews 9121.
education institutions, psittacosis, Chlamydia psittaci, treatment, clinical aspects, man 767.
gram-negative bacteria endotoxins, plants phylloplane, byssinosis 12980
hospitals personnel, diphtheria, immunity 5221
hospitals, tuberculosis, man, case reports 7162.
hypersensitivity, Saccharomonospora viridis, Cryptostroma corticale, wood contamination, man, case reports 5213.
aboratories, infection, incidence, man, British Isles 941.

Occupational exposure, (continued)
laboratory animals, disease transmission, leptospirosis epidemiology, man 10471.
Legionella pneumophila, seroepidemiology, legionnaire's disease, man 6996.
leptospirosis, Leptospira interrogans, serological surveys, meat industry, man 13352.
man, abattoirs, wound infection, Streptococcus pyogenes, Staphylococcus aureus, association, carcasses bone 4358.
man, composting, sewage sludge, gram-negative bacteria, endotoxins 3688
man, Staphylococcus aureus, antibiotic resistance, relationship, oxytetracycline, macrolide antibiotics, feeds, pigs 4193.
Methylophilus methylotrophus proteins, hypersensitivity, man 13035.
Mycobacterium kansasii, contamination, water supplies, man 5545.
nosocomial infection, risks, hospitals, man 9262.
tuberculosis, hospitals, man 11725.
zoonoses, case surveys, incidence, veterinary medicine 13267.
Ochrobium,
iron bacteria, ecology, lakes, British Isles 3737
Octenidine,
effects on dental plaque, oral microflora, monkeys 5446.
Octopine,
biosynthesis, Agrobacterium tumefaciens, crown gall, role, tumors induction 4610.
biosynthesis, crown gall, tumors, Agrobacterium tumefaciens, experimental infection, Datura stramonium 2419.
Octopine synthase,
genes, location Agrobacterium tumefaciens Ti plasmid, gene expression, crown gall, Helianthus annuus 7689
Octyl-glucoside,
use, pili dissociation, pilin filaments formation, Pseudomonas aeruginosa 12311.
Odontogenesis,
association, dental infection, man, reviews 11679
Odor,
soil, Nannocystis exedens, geosmin biosynthesis 2840
Odor control,
antibacterial activity, mouthwashes, bacteria, man, antibacterial activity, odor control, bacteria, mouthwashes, man 3260.
Beta vulgaris mud, organic matter, digestion (anaerobic) 9427.
Odors,
production, role, Actinomycetes, eutrophic environment, Finland lakes 12181.
production, role, Streptomyces, environmental effects, aquatic environment 12183.
relationship, Micrococcaceae, Propionibacterium, axilla, man 3262.
Oenanthe javanica,
plant extracts, oils, antibacterial activity, bacteria 7855.
Oerskovia,
Cellulomonas relationship, taxonomic revision 12268.
Offspring,
turkeys, immunity, association, parents coryza immunization (passive) 4330.
Oganomycins,
Streptomyces oganonensis, biosynthesis, structure 2976.
Oil,
biodegradation, Anabaena variabilis, association, Mycobacterium brevicale, growth, factors affecting 12363.
biodegradation, bacteria, Protozoa, phytoplankton, surfactants effects on 7438.
biodegradation, fungi, bacteria, railroads soil 7424.
biodegradation, USSR rivers, bacteria distribution 13516.
ground water, ecological distribution, bacteria, methanogenesis 13509.
ground water, ecological distribution, Rhodopseudomonas 13519.
hydrocarbon-degrading bacteria, incidence, soil, USSR 13492.
microflora, Protozoa, predator-prey interactions, growth curves 2423.
nutrient sources, acetate, sulfate-reducing bacteria 12394.
Pseudomonas, iron reduction, nitrate, effects on 6524.
sand, hydrocarbons biodegradation, bacteria, Canada, Alberta 8360.
soil horizons, hydrocarbon-degrading bacteria activity 11014.
Oil dispersants,
bacteria, surfactants biosynthesis, screening, use drilling, oil installations 8649
Oil fields,
ground water, methanogenic bacteria, methanogenesis 12140.
Oil installations,
drilling, oil dispersants, use bacteria, biosynthesis, surfactants, screening 8649
oil pollution, marine microorganisms community composition, marine environment 9490
Oil of camomile,
treatment, bronchitis, children 3316
Oil pollution,
oil installations, marine microorganisms community composition, marine environment 9490
Oil shales,
leaching, Thiobacillus thiooxidans 118.
revegetation, soil microorganisms effects on 8168.
Oil spills,
biodegradation, bacteria, France 99.
Oils,
emulsions biodegradation, microorganisms, theories 11015.
emulsions, physicochemical properties, biodegradation, Citrobacter freundii 11016.
Olea europaea, ozonation, antibacterial activity 12946.
plant extracts, Oenanthe javanica, antibacterial activity, bacteria 7855
Ointments,
fucidin, cicatrin, treatment, impetigo, man 1936.
povidone-iodine, treatment, urinary tract infection, recurrent infection, man 876
treatment, catheters, disease control, nosocomial infection, man 11870.
Olea europaea,
oils, ozonation, antibacterial activity 12946.
Oleaceae,
pathogenicity, association, Pseudomonas syringae, taxonomic revision 8301.
Oleandomycin,
biosynthesis, bacteria mutants, screening methodology 5042.
Staphylococcus sensitivity 11428.
Oleic acid,
effects on Thermoactinomyces vulgaris proteinase metabolism 11453.
hydration, Corynebacterium 3836.
induction, antibiotic resistance, oxytetracycline, Staphylococcus aureus 9984.
use, Micrococcus, biosynthesis, pimelic acid, azelaic acid 2842.

Oligo (T),
- analogs, initiation DNA polymerase I, Escherichia coli, calf thymus 6616.

Oligo-1,6-glucosidase,
- proteolysis susceptibility, comparison Bacillus thermoglucosidius, Bacillus cereus 9765.
- purification, characterization, Bacillus cereus 7567.
- structure, proteolysis, comparison Bacillus thermoglucosidius, Bacillus cereus 11187

Oligodeoxyribonucleotides,
- Escherichia coli, DNA polymerase I, synthesis, methodology 8513.

Oligomerization,
- termination factor rho, poly(C) interaction, Escherichia coli 7521.

Oligosaccharides,
- Mycobacterium leprae glycolipids, isolation, characterization 219.

Oligostatin,
- biosynthesis, Streptomyces myxogenes sp.nov., antibacterial activity 4149.
- structure 4150.

Oligotrophy,
- bacteria, reviews 12360.

Olivanic acid,
- derivatives, inhibition, penicillinase, plasmids, Escherichia coli 7554.

Olivanic acids,
- analogs, synthesis, structure, antibacterial activity 2959.

Ollarianus balli,
- vectors Mycoplasma 8128.

OmpA gene protein,
- incorporation, outer membranes, Escherichia coli 9590

Onchocerca volvulus,
- infection, incidence, leprosy hospitals, man, Mali 686.

Oncorhynchus kisutch,
- eggs, bacteria, kidney diseases, prophylaxis, erythromycin, factors affecting 3588
- vibriosis, Vibrio anguillarum, Japan 2389.

Oncorhynchus nerka,
- antibody response, Vibrio anguillarum 564.

Ondatra zibethica,
- Actinomyces infection 13400.

Onions,
- extracts, antibacterial activity 4211

Onium,
- like compoumds, nodules, Leguminosae 9466.

Open heart surgery,
- airborne microorganisms contamination hazards, association, laminar air flow, air filtration 12189.

Operating theaters,
- environmental hygiene, role, prophylaxis, postoperative infection, man 2202.

Operators,
- lactose operator lactose repressor complex, structure, electric dichroism, Escherichia coli 8680
- regions, location, DNA nucleotide sequence, colicin E1 genes, Escherichia coli 5814.
- tet operator DNA binding Tet repressor, transposon Tn10 7659.
- tet operator, +TET repressor complex, thermal stability 12778.

Operons,
- ampC operon, nucleotide sequence, Escherichia coli 11268.
- L-arabinose, transport, regulation, Escherichia coli, characterization, use, phage Mu 8681.
- arginine operon, Escherichia coli, nucleotide sequence 12795.
- bglBSRC operon, regulation proteins, β-glucoside metabolism, Escherichia coli 4101.
- biotin operon, cell-free system transcription, gene regulation, Escherichia coli 11069
- biotin operon, nucleotide sequence, mutation, Escherichia coli 4114.
- Corynebacterium diphtheriae toxins, localization, restriction endonuclease mapping, phage B DNA 1637.
- deo operon, binding sites, cyclic AMP receptors, Escherichia coli 12517.
- deo operon gene expression, Escherichia coli temperature-sensitive mutant 12764.
- deo operon, transcription initiation sites, DNA nucleotide sequence, Escherichia coli 5845
- Escherichia coli, bacteriocins, DNA nucleotide sequence promoters, gene regulation, plasmids 5876.
- Escherichia coli, fusion, association, β-D-galactosidase biosynthesis, virulence 10170.
- Escherichia coli galactose operon, mutants promoters, characterization 4981.
- Escherichia coli, rRNA mutation, erythromycin antibiotic resistance 12741.
- frd operon, nucleotide sequence, Escherichia coli 11268.
- L-fucose operon gene mapping 12754.
- galactose operon, Escherichia coli, expression, phage λ prophages induction 4993.
- galactose operon, Escherichia coli, mutants promoters isolation 5842.
- galactose operon, insertion sequence 2 effects on transcription, Escherichia coli 9821
- galactose operon, promoters, Escherichia coli, cyclic AMP, effects on 4807.
- gua operon, Escherichia coli, mutants, AMP induction, GMP repression 1590.
- histidine, arginine transport, promoters, DNA nucleotide sequence, Salmonella typhimurium 11040.
- histidine operon, Salmonella typhimurium, restriction endonuclease mapping 1601.
- histidine operon, transcription, regulation, Salmonella typhinurium 6694.
- ilv operon, Escherichia coli, genetic analysis, use transposons 9894.
- ilv operon, transposon Tn10, transcription, Salmonella typhimurium 12746.
- ilvB operon, Escherichia coli, mutants, valine, inhibition, growth 2873.
- ilvGEDA operon, derepression, cysteine, inhibition, isoleucine biosynthesis, Escherichia coli 8689
- IlvHI operon, Escherichia coli, characterization 252.
- lac operon, asd gene promoters identification, fusion, Escherichia coli 8664.
- lactose operon, cya gene, gene fusion, gene products, Escherichia coli adenylate cyclase biosynthesis regulation 12671.
- lactose operon, DNA purification, N.M.R., plasmids 11293.
- lactose operon, Escherichia coli, gene expression, induction cyclic AMP 6708.
- lactose operon, mutation effects on gene regulation, plasmid pBR325 6771.
- leucine operon, role, transcription, termination, Escherichia coli 6702.
- lexA operon, DNA, binding lexA gene gene products, Escherichia coli 4843
- mal operon, DNA nucleotide sequence, relationship function 8670.
- maltose operon, regulation, role catabolite activator protein, Escherichia coli 6693.
- mer operon, catabolite repression effects on, Escherichia coli 5831

Operons, (continued)
- methionine operons, cloning, restriction endonuclease mapping, gene mapping, Escherichia coli 12783.
- nucleotide sequence, mal T gene, clones, gene products, identification, purification, Escherichia coli 11062.
- organization, nitrogenase genes, analysis mRNA cDNA hybridization, Rhizobium leguminosarum, Azotobacter vinelandii 7664.
- phosphate operon, Escherichia coli, relationship protein biosynthesis, reviews 12806.
- pyr operon, pyrI gene, pyrB gene gene mapping, gene regulation, Escherichia coli, Salmonella typhimurium 11262.
- ribose operon, mapping, transposition, evolution, Escherichia coli 8672.
- ribosomal protein S10 operon, Escherichia coli, nucleotide sequence 12514.
- rRNA, gene mapping, Escherichia coli 6699.
- rrnB operon, Escherichia coli, gene mapping, nucleotide sequence, plasmids, recombinants 2850.
- rrnB operon, Escherichia coli, transcription, termination sites, pausing sites 3892.
- rrnX operon, transposons, transcription, transposon 9, insertion sequence 1, polarity 2722.
- str operon, promoters, cloning, Escherichia coli 6701.
- threonine operon, regulation gene expression relA gene, Escherichia coli 12760.
- transcription, phage λ N gene proteins effects on, association, binding, Escherichia coli nusA gene proteins 11302.
- tryptophan, construction cloning vectors, plasmid pBR313 4971.
- tryptophan operon, Citrobacter freundii, regulation regions nucleotide sequence, comparison, Escherichia coli, Salmonella typhimurium 12522.
- tryptophan operon, Escherichia coli, regulation transcription termination 6588.
- tryptophan operon, Klebsiella aerogenes, regulation regions, nucleotide sequence 12521.
- tryptophan operon, nucleotide sequence, characterization, reviews, Escherichia coli 1460.
- tryptophan operon, plasmids, transposon TnA, deletion mutant, Escherichia coli 12804.
- tryptophan operon, promoters regulation transcription, Escherichia coli 7649.
- tryptophan operon, repressors regulation, Escherichia coli 7645.
- tryptophan operon, termination transcription, Escherichia coli 11080.
- tryptophan, RNA polymerase termination, Escherichia coli, correlation models, characterization 5723.
- uhp-lac operon, Escherichia coli, transport glucose-6-phosphate, induction, regulation 1616.
- unc operon, cloning, restriction endonuclease mapping, gene mapping, Escherichia coli 11257.
- uvrB operon, regulation, U.V. radiation induction, role DNA repair, Escherichia coli 6692.

Operons fusion,
- pili, phase variations, genes transcription, control, transitions, Escherichia coli 5843.

Ophthalmia,
- Branhamella catarrhalis, penicillin, antibiotic resistance, children, case reports 7216.

Ophthalmitis,
- postoperature infection, cataract surgery, Staphylococcus epidermidis, man, case reports 954.

Opiates,
- receptors, role, endotoxin shock, Escherichia coli, animal models, dogs 6873.

Opportunist infection,
- bacteria, diagnosis, man, Papua New Guinea 11950.
- bacteria, immunocompromised hosts, cancer patients, chemotherapy 11922.
- bacteria, incidence, prisons, man 13332.
- Campylobacter jejuni, bacteremia, association, histiocytic medullary reticulosis, man 13313.

Opportunistic infection,
- actinomycetes, Protozoa, cervix, intrauterine devices, detection, Gram stain, man 3385.
- bacteria, wetwood, association dieback, Abies alba 10753.
- Bordetella bronchiseptica, peritonitis, treatment, chloramphenicol, man, case reports 2296.

Opsoclunus,
- association, meningitis, Haemophilus influenzae, case reports, man 11844.

Opsonins,
- biosynthesis, sheep, Staphylococcus aureus vaccination effects on 10244.
- immunoglobulins, complement, role, intracellular killing, bacteria, leukocytes (granulocytic) 562.
- lung levels, Streptococcus pneumoniae pneumonia, rats 6927.
- role, macrophages, phagocytosis, Legionella pneumophila 10213.

Opsonization,
- antigen (enterobacterial common), Escherichia coli, Pseudomonas aeruginosa, Salmonella typhi, rabbits 3179.
- bacteria, phagocytosis, leukocytes (polymorphonuclear), antimicrobial agents effects on 10241.
- C-reactive protein, mice, Streptococcus pneumoniae infection, role 6090.
- complement, alternative pathway, activation, Staphylococcus aureus, role, protei A 4269.
- complement, classical pathway, role, phagocytosis, leukocytes, Escherichia coli 11630.
- complement, role, clearance, lung, Pseudomonas aeruginosa, Staphylococcus aur mice 6109
- Escherichia coli, immunoglobulin G, binding, antibacterial activity, enzyme-linked immunosorbent assay 3156.
- fibronectin, immunosuppression, immunity, man, animal models, Staphylococcus aureus infection 10183.
- fibronectin, Staphylococcus aureus, phagocytosis leukocytes (granulocytic) 7952.
- immune response, Escherichia coli, Staphylococcus aureus, marcrophages, cytotoxicity 9000.
- immune serum, immunotherapy, Streptococcus group B, infection, neonates, rats 4341.
- macrophages, phagocytosis, Streptococcus pneumoniae, vaccination, polysacchar 3196.
- phagocytosis, Borrelia hermsii, leukocytes (polymorphonuclear), characterization man 6112.
- role, Escherichia coli antisera 3203.
- role Streptococcus group B lymphocytes phagocytosis 8976.
- Salmonella enteriditidis lipopolysaccharides, role, complement alternative pathway, sickle cell disease, man 583.
- Streptococcus group B, requirements 535.

Opsonization, (continued)
Streptococcus pneumoniae, correlation, cell cycle 557
Streptococcus pneumoniae, serum proteins, intracellular killing, leukocytes (polymorphonuclear) 3215
urine leukocytes (polymorphonuclear) effects on phagocytosis, Escherichia coli, man 11598
Optical properties,
magnetic fields orientaton, reaction centers, chlorophyll b, Rhodopseudomonas viridis 8475
Opuntia tuna monstrosa,
Spiroplasma infection morphology, scanning electron microscopy 8150
Oral administration,
antimicrobial agents, effects on oral microflora, bacteria, man, reviews 719.
chloramphenicol, pharmacokinetics, treatment, Haemophilus influenzae, meningitis, infants, man 2133
experimental infection, Chlamydia psittaci, juveniles, sheep 6374
josamycin, association, antimicrobial activity, eye, serum, tonsil, man 10455
Norflaxacin, antibacterial activity, comparison, chemotherapeutics 9982
Salmonella typhi vaccination, typhoid fever, animal models 4337
Streptococcus faecium, colonization, gastrointestinal tract, man 7006
tetracycline, treatment, urinary tract infection, Pseudomonas aeruginosa, dogs 1092
vaccination, pertussis, man 13057
vaccination, Salmonella abortis-ovis, salmonellosis, sheep 11644
Oral cavity,
bacteria infection, spiramycin treatment, man 10314
Bacteroides clinical isolates, antibiotic sensitivity testing 11381
cells, adherence, Escherichia coli, relationship, enterotoxins, diarrhea, infants, man 3142
epithelium, saliva effects on Klebsiella adherence, man 10967
gingivitis, periodontitis, localization, man 3290
infection, Campylobacter sputorum subsp mucosalis, pathogenesis, juveniles, pigs 7232
isolates, Actinomyces 8895
isolates, Bacteroids, Capnocytophaga, identification methodology, API ZYM test 2543
isolates, Streptococcus, carcinogenicity testing, gnotobiotics, rats 3647
isolates, Streptococcus sanguis, fluoride, binding, bioaccumulation 1351
isolation, Bacteroides oralis, Bacteroides melanino genicus subsp melaninogenicus, antibiotic resistance, pencillinase, production 11434
leukocytes (polymorphonuclear), phagocytosis, Salmonella typhi binding, association, complement receptors, man 7940
mucosa, bacteria, aggregation, man 3266
Neisseria, media (isolation), man 9505
Rodentia, Streptococcus ferus isolation, characterization 6331
saliva, agglutinins, interaction, Streptococcus serotypes, man, calcium, effects on 3305
Oral diseases,
relationship, diets, nutrition, man 3301
treatment, prophylaxis, immunity, man 3750
Oral hygiene,
acute lymphatic leukemia, effects on, children 1967
adolescents, Finland 710
association, recurrent infection, dental caries, man 1953
chlorhexidine digluconate, mouthwashes, effects on, gingivitis, dental plaque, man, clinical trials 3296
dental disorders, children, man, Nigeria, socio-economic aspects, effects on 3295
disease control, bacteria, dental caries, man 4375
effects on dental caries, periodontal diseases, man 706.
effects on dental disorders, bacteria, man, Finland 11688
effects on, gingivitis, dental caries, bacteria, man 11685
man, education 707
Oral infection,
Actinomyces viscosus, immune response, mice, animal models 6083
epidemiology, plaque index, Streptococcus mutans, man 704.
man, bacteria, antibiotics treatment 10305
Salmonella dublin, cattle, Fasciola hepatica infection effects on 7273
treatment, cefatrizine, man 329.
Oral microflora,
API test, identification 1303
bacteria, antimicrobial agents, oral administration, effects on, man, reviews 719.
bacteria, association, stomatitis, Serpentes, zoological gardens, USA, Tennessee 8121.
Bacteroides asaccharolyticus, Bacteroides melaninogenicus, association, periodontitis, gingivitis, man 1964
dental caries, nursing bottles, infants, man 13096
fecal microflora, leukemia, man, chemotherapy, antibiotic therapy, effects on 3268.
inhibition Actinobacillus actinomycetemcomitans, periodontitis, man 9084.
inhibition, Candida albicans, mice, in vitro 1051
isolates, dextranase, effects on Streptococcus mutans dental caries, incidence, man 10301.
man, incidence, Staphylococcus aureus 13072.
mice, immunoglobulin G exposure, organ culture 580.
monkeys, chlorhexidine, octenidine, effects on 5446.
palatinit, sugar comparison, acid production 7968
postoperative infection, tinidazole prophylaxis, dental manipulation, man 11893.
role septicemia, leukemia, man 6271.
Streptococcus antigens, immunoglobulin A levels, saliva 573.
Streptococcus sanguis, Streptococcus mutans, inhibition, fluoride, role, uptake, pH effects 2632.
topical application, iodine, chlorhexidine, sodium fluoride, effects on, rats 1962.
Oral mucosa,
lupus vulgaris, association, tuberculosis, lung, man, case reports 2013.
Orange juice,
Acinetobacter effects on limonin biodegradation, bitterness 2660.
Orchards,
Prunus persica, Cicadellidae, X disease, vectors, Mycoplasma 5505.
Pyrus, association, yellow leaf-roll, distribution, Prunus persica, incidence 10744.
Orchitis,
Treponema pallidum, inflammation, hypersensitivity (delayed), macrophages phagocytosis, rabbits 11613.
Ordram,
biodegradation, Bacillus 130
transformation, aquatic microorganisms 1393
Oregano,
extracts, antibacterial activity, Lactobacillus plantarum, Pediococcus cerevisiae 5140
Ores,
gold deposits, bacteria, contamination, USSR 8165.
Orf virus,
+Dermatophilus congolensis, experimental infection, pathology, sheep 4586
Organ culture,
Bacteroides fragilis, rabbits trachea, anaerobiosis, tissues respiration 7466
oral microflora, mice, immunoglobulin G exposure 580
trachea, ciliary movement, Mycoplasma effects on, chickens, mice 11704.
Organelles,
Glomus caledonius, bacteria like, characterization, association cytoplasm 7313.
Pseudomonas thermophila, ribulosebiphosphate carboxylase, characterization 12676
Organic acids,
oxidation, Rhizobium leguminosporum, carbon sources 5794.
Organic compounds,
ATP uptake, bacterioplankton, Gulf Stream 2481
biodegradation, microorganisms, streams, ground water 9491.
Chlorobium phaeobacteroides, uptake, metabolism, lakes isolates, Israel 2649
Desulfovibrio vulgaris, utilization 1405.
induction, antibiotic resistance, oxytetracycline, Staphylococcus aureus 9984
mercury, biodegradation, Clostridium cochlearium, drug resistance mercury 6521.
metabolism, biodegradation, microorganisms, eutrophic environment, lakes 12161
nitrogen, solid wastes biodegradation, soil Streptomyces 8424
pesticides, biodegradation, microorganisms, measuring techniques 7439.
tin, antimicrobial activity, Pseudomonas aeruginosa, estuaries isolates 8833
utilization, Klebsiella 12457
wastes, effects on soil microorganisms, indicator species 3708
Organic matter,
biodegradation, soil, pH+redox potential, effects on 9644.
biodegradation, Vibrio, Acinetobacter, brackishwater environment 5638.
decomposition, ammonification, bacteria, sediments, marine environment 5543.
decomposition, bacteria, vertical distribution, brackish water environment, Japan 6438.
digestion (anaerobic), Beta vulgaris mud, odor control 9427.
digestion, Ruminantia, rumen microorganisms role 13074.
digestion, sheep, rumen, linseed oil effects on 10637
effects on, Trichoderma hamatum seed treatments, disease control, Pisum sativum, Raphanus sativus 1200.
freshwater environment, biodegradation, bacteria 135.
primary production, marine environment 2480.
production, biodegradation, lakes, bacteria 13507.
Organisms,
bacteria like, Citrus greening, India 6395.
Organochlorine,
insecticides, antimicrobial activity, reviews 5980.
Organoleptic evaluation,
fish, luminous bacteria effects on 9334.
Organomycins,
isolation, characterization, antibacterial activity, Streptomyces organonensis 289
Organotropism,
Corynebacterium parvum, distribution, radioactive labelling, technetium-99m, animal models 3470.
Leptospira infection, antigens, seroepidemiology, dogs 2395.
mixed infection, Staphylococcus, Chlamydia psittaci, mice 13298.
Streptococcus infection, pathology, Plecoglossus altivelis 6357.
Organs,
distribution, Streptococcus infection, Plecoglossus altivelis, histopathology 6332
Orginine,
biosynthesis, Salmonella typhimurium, mutants, kinetics, regulation 1539.
Orientation,
nitrate reductase, Klebsiella aerogenes, membranes, methodology 2586
Origin,
serotypes, Salmonella, France 1325.
Ornidazole,
antibacterial activity, anaerobic bacteria 10036.
antibacterial activity, Bacteroides fragilis, clinical isolates 11457.
treatment, mixed infection, man, Escherichia coli, Bacteroides fragilis 942.
Ornithine,
+arginine binding protein, gene mapping, Escherichia coli 12809.
Ornithine carbamoyltransferase,
genes, cloning, Saccharomyces cerevisiae, gene expression, Escherichia coli 5865.
phenylglyoxal, chemical modification, inactivation, role arginine active sites, Escherichia coli 4044
reaction phenylglyoxal, comparison aspartate carbamoyltransferase, Escherichia coli 4935
zinc induction cooperativity, Escherichia coli 9736.
Ornithine carbomyltransferase,
Lactobacillus buchneri, enzymatic activity, arginine, catabolism 3951
Ornithine decarboxylase,
difluoromethylornithine inactivation, Pseudomonas aeruginosa 7538.
Ornithine-oxo-acid aminotransferase,
Bacillus sphaericus, characterization 1494
stereospecificity, mechanisms, Bacillus sphaericus 8590.
Ornithodoros coriaceus,
vectors, disease transmission Chlamydia, cattle 10711.
Ornithodoros moubata,
experimental infection, Rickettsia akari, disease resistance 13417.
experimental infection, Rickettsia, pathogenicity, guinea-pigs 13416.
Rickettsia tsutsugamushi infection, spotted fevers, transmission 13384.
Oropharynx,
cells, adherence, streptococcus, mediation, lipoteichoic acid, fibronectin receptors, man 9603.
colonization, gram-negative bacteria, pneumonia, man, hospitals 9116.
gram-negative bacteria, colonization, antibiotic therapy, role, pneumonia, nosocomial infection, man 3341.
infection, bacteria, association, neutropenia, leukemia, man 6156.
Orotate phosphoribosyltransferase,
pyrimidines biosynthesis, Bacillus subtilis 8615.

Orotic acid,
  effects on aflatoxin B1 Bacillus megaterium toxicity 4208
Orotidine-5'-phosphate decarboxylase,
  pyrimidines biosynthesis, Bacillus subtilis 8615
Orthodontics,
  equipment, relationship, incidence, Streptococcus mutans, dental plaque, tooth, man 4378.
Orthomercaptoazo compounds,
  antimicrobial activity, gram-negative bacteria, gram-positive bacteria 3091
Orthopedics,
  surgery, association, postoperative infection, prophylaxis, antibiotics, man 10457.
Orthophosphate,
  uptake, bacterioplankton, coastal waters 9495.
  uptake, phytoplankton, metabolism, seasonal variations, USA, California Coast 2484.
Orthoporus ornatus,
  mutualism, gut microflora, cellulose digestion 10733.
Oryctolagus cuniculus,
  diseases, pathology, characterization 10714.
Oryza sativa,
  acetylene reduction, nitrogen fixation, genotyping, plant breeding 8163.
  blight, Xanthomonas campestris pv.oryzae, virulence 13448.
  crop residues, burning, stem rot, Sclerotium oryzae, epidemiology 13445.
  cultivars, susceptibility, photosynthesis, chlorophyll a, chlorophyll b, susceptibility, Xanthomonas oryzae, blight, effects on 3666.
  growth, foliar applications, nitrogen-fixing bacteria, effects on 4644.
  immunoelectrophoresis, differentiation, Xanthamonas translucens f.sp.oryzicola leaf streak, Xanthomonas oryzae blight 8941.
  nitrogen fixation, Azotobacter vinelandii, Rhodopseudomonas capsulata, effects on growth 2429
  nitrogen fixation, microorganisms, flooded soils 4642.
  phosphorus uptake, phosphate-dissolving bacteria effects on 13498
  Pyricularia oryzae, host-pathogen interactions, biosynthesis, antifungal agents, antibacterial activity 4207.
  resistance cultivars, Xanthomonas campestris pv.oryzae infectivity 12092.
  rhizosphere, carbofuran effects on Nitrosomonas oxidation, ammonia compounds 8211.
  rhizosphere, nitrogen fixation 7326.
  rhizosphere, nitrogen fixation, factors affecting 2435.
  rhizosphere, paddy fields, nitrogenase activity, hexachlorocyclohexane effects on 1216.
  roots, Azospirillum isolates, nitrogen incorporation, nitrogen fixation 5511.
  sheath blight, Rhizoctonia solani isolates, proteins, enzymes, electrophoresis 12557.
  soil, nitrogen fixation, ammonium, effects on 1173.
  straw, decomposition, effects on, nitrogen fixation, growth, Rhizobium 2439
  wilt, Xanthomonas campestris, incidence, epidemiology 9408.
  Xanthomonas oryzae, mutants, virulence, characterization 6404.
  yield, foliar applications, Pseudomonas, nitrogen fixation 12124.
Osazones,
  sugars, antibacterial activity, bacteria 10044.
Oscillatoria tenuis,
  comparison, Chromatium vinosum, Rhodopseudomonas capsulata, cladophora fracta, carbon dioxide reductase, hydrogenase, activity 12594.
Osmic acid,
  treatment, infection, bone, joints, bacteria, man 3536.
Osmotic potential,
  Kalanchoe leaves, Agrobacterium tumefaciens tumors induction 13434.
Osmotic pressure,
  association, media (transport), Neisseria gonorrhoeae, clinical isolates 7356.
Osmotic shock,
  Escherichia coli, release, 5'-nucleotidase, characterization 1499.
  Salmonella typhimurium R factors mutants, extracts, association disease resistance, mice, infection 12398.
Osmotic stability,
  effects on Bactec test, detection, Escherichia coli, Salmonella typhimurium, Enterobacter cloacae 5570.
  L form, Staphylococcus aureus, growth 5681.
Osmotic stress,
  Salmonella typhimurium, proline permease function association 12662.
  salts, effects on, bacteria, population changes, rhizosphere, rhizoplane, Hordeum vulgare 4634.
Osteitis,
  association, syphilis, tibia, man, case reports 2153.
  bacteria, pubic bone, pathology, treatment, man 3537.
Osteoarthritis,
  Brucella, clinical aspects, man 3546.
  joint diseases, antibiotic resistance, treatment, pristinamycin, infants, man 999.
  Pasteurella multocida, man, case reports 6275.
Osteomyelitis,
  +arthritis, Streptococcus pneumoniae, children, case reports 5393.
  bacteria, pathogenesis, treatment, children 10614.
  bone tuberculosis, man 9286.
  Citrobacter diversus, man, neonates, case reports 11898.
  clinical aspects, Actinomyces, anaerobic microorganisms, case reports, dogs 10715.
  diagnosis, computed tomography, man 9271.
  diagnosis, scintigraphy, children 10445.
  dogs, infection, Actinomyces, case reports 12053.
  Escherichia coli, association, enteritis, septicemia, immunosuppression, man, case reports 9289.
  Haemophilus influenzae, diagnosis, treatment, electrophoresis, man 13350.
  joint diseases, antibiotic resistance, treatment, pristinamycin, infants, man 999.
  Kingella kingae, case reports, man 13299.
  knee, association, arthritis, Staphylococcus, man, case reports 3493.
  leg, Mycobacterium fortuitum differential diagnosis Nocardia asteroides, man, case reports 971.
  man, dicloxacillin treatment 10486
  man, foot, puncture, bacteria infection, case reports 10571
  man, spine, association, Propionibacterium acnes infection 9252.
  man, Staphylococcus, case reports 935
  maxilla, association, teeth eruptions, nose, children, case reports 9285
  Mycobacterium bovis, children, case reports 11903
Osteomyelitis, (continued)
  Mycobacterium intracellulare, pathology, treatment, diagnosis, man, case reports 2267.
  Neisseria meningitidis, children, case reports 6282.
  pathology, computed tomography, man 1005.
  pathology, treatment, antibacterial agents, man, reviews 10462.
  presentation, endocarditis, Streptococcus bovis, new records, case reports, man 7199.
  Pseudomonas aeruginosa, cefoperazone treatment, man 10582.
  Pseudomonas aeruginosa, diagnosis, treatment, man, case reports 3440.
  rabbits, experimental infection, Staphylococcus aureus, antibody response 13023.
  Salmonella, complications, sickle cell disease, man, case reports 2189.
  Salmonella typhi, treatment, chloramphenicol, amoxicillin, spine, man 3439.
  sickle cell disease, salmonellosis, man 9257.
  spine, presentation torticollis, man 10527.
  Staphylococcus, association acute dermatomyositis, man, case reports 6151.
  Staphylococcus aureus, antibody response, serum levels, electrophoresis, man 11571.
  Staphylococcus aureus, association, pericarditis, false aneurysm, man, case reports 7143.
  Staphylococcus aureus, clinical aspects, man 8066.
  Staphylococcus aureus, diagnosis, case reports, man 7161.
  Staphylococcus aureus, diagnosis, treatment, infants, children, man 10460.
  Staphylococcus aureus, disseminated infection, man 2293.
  Staphylococcus aureus, osteomyelitis, scintigraphy, joints, man 2203.
  Staphylococcus aureus, treatment, clinical aspects, man 7163.
  staphylococcus aureus, treatment, clinical trials, clindamycin, nafcillin, methicillin, children 9309.
  Staphylococcus pyogenes, diagnosis, treatment, clavicle, man, case reports, reviews 3545
  Staphylococcus, treatment, fusidic acid+cloxacillin, neonates 7127.
  Streptococcus, etiology, man 12007.
  treatment, antibiotics, antibiotic resistance, man 998.
  tuberculosis, man 13285.
Osteosarcoma,
  association, Mycobacterium tuberculosis, tuberculosis, diagnosis, man, case reports 4492.
Ostrea,
  Vibrio cholerae isolates, toxinogenicity 465.
Ostrinia nubilalis,
  bioassays, spores, spore crystals, toxicity, Bacillus thuringiensis 8125.
  bioassays, toxicity, spores, crystals, Bacillus thuringiensis 7897.
  feeding, Bacillus thuringiensis exotoxins effects on 7896.
  toxicity, exotoxins, Bacillus thuringiensis 7892.
Otitis,
  association, brain abscesses, Pasteurella multocida, man, case reports 7067.
  gram-negative bacteria, diagnosis, treatment, antibiotics, man 766.
  Pseudomonas aeruginosa, immunodeficiency, leukocytes (polymorphonuclear) migration, man 9127.
  Streptococcus pneumoniae, immunity, antibiotics effects on recurrent infection, animal models 787.
Otitis externa,
  Pseudomonas aeruginosa, diagnosis, treatment, mortality, man, case reports, reviews 3342.
  Staphylococcus aureus, clinical aspects, case reports, man 6193.
  Staphylococcus aureus, dogs 3602
Otitis media,
  anaerobic bacteria, detection, localization, man 1998.
  antibiotics prophylaxis, children 13131.
  antibiotics treatment, man 13128.
  association, aerobic bacteria, anaerobic bacteria, man 2004
  association, effusion, bacteria, etiology, children 11745.
  association, isolation, Streptococcus pneumoniae, Haemophilus influenzae, nose, man 7971.
  association, Staphylococcus epidermidis, Psoroptes cuniculi, clinical aspects, rabbits 8085.
  bacteria, treatment, cefaclor, cephalexin, man 4382.
  Bacteroides, Pseudomonas, Staphylococcus, aminoglycoside antibiotics treatment, man 13132.
  children, Haemophilus influenzae, Streptococcus pneumoniae 738.
  etiology, Streptococcus pneumoniae, Haemophilus influenzae, methodology, Gram stain, counter immunoelectrophoresis, man 775.
  etiology, Streptococcus pneumoniae, Haemophilus influenzae, Pseudomonas aeruginosa, children 1999.
  Haemophilus influenzae, antibiotic resistance, association, ampicillin treatment, children 10324.
  Haemophilus influenzae, treatment, cefaclor, children 13153.
  isolates, Streptococcus pneumoniae, Haemophilus influenzae, Branhamella catarrhalis, complement Cl_q binding assays 607.
  man, association, adenoid infection, bacteria, treatment, adenoidectomy 10334.
  man, bacteria infection, treatment, antibiotics, surgery 11863.
  man, bacteria pathogenesis, role, middle ear immune response 8999.
  man, bacteriology, reviews 10333.
  man, bacteriology, treatment 10838.
  man, etiology, association, atopy, rule, immunoglobulin E 10331.
  man, treatment, antibacterial agents 10337.
  man, treatment, decongestants, reviews 10332.
  man, treatment, prednisone, beclomethasone 10330.
  pathology, treatment, bacteria isolates, characterization, antibiotic sensitivity testing, man 2006.
  Pseudomonas aeruginosa, moxalactam treatment, man 11748.
  role, Branhamella catarrhalis, antibody response, children 3313.
  Streptococcus, cefaclor treatment, clinical trials, man 13264.
  Streptococcus pneumoniae, Haemophilus influenzae, animal models 6182.
  Streptococcus pneumoniae, man, reviews 11981.
  Streptococcus pneumoniae, pathology, prophylaxis, role, vaccination, antibody response, chinchillas 6999.
  Streptococcus pneumoniae vaccination, antibody response, children 649.
  Streptococcus pneumoniae vaccination, children 647.
  Streptococcus pneumoniae vaccination, infants, man 648.
  treatment, cefaclor, amoxicillin, children 13129.
  treatment, cephalexin, administration routes effects on, man 756.
Otolaryngeal infection,
  man, antibiotics treatment 10323
  man, clinical aspects, bacteria 11913.
  man, gram-negative bacteria, treatment, aminoglycoside antibiotics 11710.

Otorhinolaryngeal infection,
Staphylococcus, Streptococcus, treatment, clindamycin, man 2019
Outer membranes,
antigens, characterization, Micrococcus luteus 12999
Bacteroides fragilis, lipopolysaccharides, antigens, enzyme-linked immunosorbent assay, in vitro 3153
Bacteroides fragilis, proteins, isolation, purification 4716
biotyping, Haemophilus influenzae, characterization 5597
Chlamydia trachomatis, Chlamydia psittaci, antigens, localization, McCoy cells, cell culture, immunofluorescence 3178
Escherichia coli, endotoxins, mitogens, proteins, identification characterization 3168
Escherichia coli, ferrichrome iron complex receptors, proteins isolation, antigenic characteristics 11558
Escherichia coli, membrane proteins, genetic analysis, reviews 7533
Escherichia coli, proteins, characterization, man isolates 1468
Escherichia coli, proteins, mitogenicity, association, mice, immune response 9001
Escherichia coli, proteins, structure 3933
Escherichia coli, purification, characterization, enterobactin receptors 11120
extracts, gram-negative bacteria, immune response, association, monoclonal antibodies, mice 11594
inner membranes binding sites isolation, Salmonella anatum 6488
iron transport membrane proteins, identification, Escherichia coli 8523
isolation, Micrococcus 6486
LamB gene proteins phage λ, receptors, topography, Escherichia coli 8526
Legionella pneumophila, antigens isolation, antigenic characteristics 6048
membrane permeability, association, Pseudomonas aeruginosa, polymyxin antibiotic resistance 12928
membrane turnover, protein biosynthesis, Escherichia coli 11092
Neisseria gonorrhoeae, association, viability, guinea-pigs, experimental infection 5603
Neisseria gonorrhoeae, membrane proteins, leukocytes (neutrophilic) proteinase effects on 541
Neisseria gonorrhoeae, porins, membrane vesicles 2728
Neisseria gonorrhoeae, proteins antigens, immunoprecipitation 6889
OmpA gene protein incorporation, Escherichia coli 9590
permeability, association, mtr loci, Neisseria gonorrhoeae, isolates, homosexuality, man 8378
protein biosynthesis, lipid biosynthesis effects on, Escherichia coli 3938
proteins, association, Haemophilus influenzae recurrent infection, man 11999
proteins, Escherichia coli, ompA gene, gene expression 12805
proteins, Pseudomonas aeruginosa, role, antibiotic resistance, cystic fibrosis clinical isolates 397
proteins, Salmonella typhimurium, levels, growth rate, effects on 2743
Proteus mirabilis, swarming effects on 8391
Pseudomonas aeruginosa, membrane permeability, β-lactam antibiotics, relationship antibiotic resistance 10941
Pseudomonas aeruginosa, proteins lipopolysaccharides complex, characterization 2742
regulation, envZ gene, ompR gene, gene products, Escherichia coli 6709
Rhizobium, hypertrophy, ultrastructure 12314
Salmonella typhimurium, lipoproteins, lipopolysaccharides, porins, characterization, counter immunoelectrophoresis 68
Salmonella typhimurium, mutants, lipids, resistance, EDTA, cations 2624
Shigella flexneri, serotypes, structure, electrophoresis 10950
transport, ompC gene, ompF gene, Escherichia coli 4739
Vibrio anguillarum, iron-binding protein, plasmids, virulence 6879
washing treatment effects on, marine microorganisms, Escherichia coli, Pseudomonas aeruginosa 12347
Ovary,
cyst, Salmonella typhi, pregnancy, man, case reports 2086
Overlaid genes,
sog gene gene products, plasmid ColI 4106
Overload,
iron, association, meningitis, Listeria monocytogenes, monocytes phagocytosis, man 8987
Overproduction,
cloning, Salmonella typhimurium, chemotaxis genes, phage λ, plasmid pBR322 247
recA gene proteins, Escherichia coli, pBEU14 plasmid 1612
Oviduct,
mucosa, association, Neisseria gonorrhoeae, lipopolysaccharides, toxicity, host specificity, man 10124
Oviposition,
Hylemya antiqua, Allium, stimulation, bacteria 1248
stimuli, host plants seedlings microorganisms effects on, Hylemya antiqua 8136
Ovis,
experimental infection, parainfluenza virus 3, ± Pasteurella haemolytica ± Mycoplasma ovipneumoniae, pathology 7287
Ovis ammon,
feces, Mycobacterium isolation, characterization 10710
Ovis musimon,
isolation, Acholeplasma laidlawii, characterization 6360
serum, incidence, Brucella, antibodies, Germany, Fed Rep 3637
Ovotransferrin,
antibacterial activity, Escherichia coli, characterization 8830
Ovulation,
detection, association, microflora, vagina, cervix, cattle 10642
Oxacephalosporin,
penetration, gram-negative bacteria cell membranes, role, antibacterial activity 6496.
1-Oxacephem,
derivatives, synthesis, antibacterial activity 7795
derivatives, synthesis, antibacterial activity, gram-negative bacteria 11403
Oxacillin,
+aminoglycoside antibiotics, antibiotic resistance, Staphylococcus aureus, nosocomial infection outbreaks, man 967
antibacterial activity, antibiotic resistance, penicillinase, Staphylococcus aureus 11444.
antibacterial activity, gram-positive bacteria 1716
bonding dogs blood vessels grafts, treatment Staphylococcus aureus experimental infection 13403
+mezlocillin treatment, nosocomial infection, surgery, bacteria, man 12016
+rifamycin, antibacterial activity, Staphylococcus 3034
Oxaloacetate,
biosynthesis, L-aspartate oxidase, Escherichia coli 5783
Oxaloacetate decarboxylase,
relationship, sodium transport reconstitution, Klebsiella aerogenes 3981.
Oxanosine,
Actinomycetes, structure, purification, antibacterial activity, Escherichia coli 3040
antibacterial activity, Escherichia coli 11420.
Oxidasepositive gram-negative bacteria,
identification, AutoMicrobic test 2539
Oxidation-reduction potential,
association, acceptors quinone complex, photosynthesis, Rhodopseudomonas sphaeroides 8472.
Oxidative metabolism,
association, leukocytes (polymorphonuclear), interaction, Escherichia coli strains pili 10231
association, methanol carbon distribution, Pseudomonas 9636
leukocytes (neutrophilic), bacteria lipopolysaccharides effects on 7926.
leukocytes (polymorphonuclear), geriatrics, in vitro antibacterial activity, Staphylococcus aureus 10212.
Oxidative phosphorylation,
Paracoccus denitrificans, cytochrome c oxidase, protons translocation 12474.
role adenosinetriphosphatase, Escherichia coli 12470
Staphylococcus aureus, antibacterial activity, N,N'-bis(dodecyldimethyl)-1,2-ethane diammonium dibromide, 2-piperidinoethyl-heptyloxyphenylcarbamate hydrochloride, 1-dodecylpiperidine N-oxide 2686
1-Oxide,
effects on Bacillus cereus spores 8461
3-Oxoadipate CoA-transferase,
Pseudomonas putida, structure, amino acid sequence 5747.
Oxoglutarate dehydrogenase,
enzymatic activity, lipoic acid effects on, Escherichia coli 202.
2-Oxoglutarate dehydrogenase,
multienzyme complexes, structure, trypsin proteolysis, N.M.R., Escherichia coli 11155.
Oxolinic acid,
Bacillus subtilis, effects on sporulation 12955.
Bacillus subtilis resistant mutant, characterization, gene mapping 12808.
inhibition, DNA gyrase, DNA biosynthesis, Escherichia coli 5701.
treatment, bacteria urinary tract infection, man 11821.
3-Oxosteroid Δ^1-dehydrogenase,
biosynthesis, Nocardia restricta, association, androsta-4-ene-3,17-dione biodegradation 6629
3-Oxosteroid-Δ1-dehydrogenase,
localization, cells, Mycobacterium rubrum, Arthrobacter globiformis 12642
Oxygen,
association, bioluminescence, yield, bacteria 12485.
association, factor F420 biodegradation, Methanobacterium thermoautotrophicum 4962
association, radiation, damage, Escherichia coli 12952.
binding, cytochrome o, I.R. spectroscopy, Vitreoscilla 5688.
chemotaxis, Escherichia coli, Salmonella typhimurium, role methylation 5637.
concentration, Arthrobacter crystallopoietes, effects on cytochrome d 5689
effects on Bacillus popilliae glucose utilization 10980.
effects on, Desulfovibrio vulgaris, growth 10968.
effects on enzymatic synthesis, nitrate reductase, Escherichia coli 6634.
effects on, glucose, metabolism, tricarboxylic acid cycle, Pseudomonas aeruginosa 12440
effects on, growth, metabolism, Selenomonas ruminantium, continuous culture 9615
effects on, Methylomonas methanica, cytoplasmic membranes, membrane structure 10953
effects on, neuraminidase, biosynthesis, Streptococcus group B 199.
effects on nitrate respiration, Paracoccus denitrificans 4780.
effects on, Rhizobium, bacteroids, nitrogen fixation, leghemoglobin 3694.
Escherichia coli, mutants, role, cytoplasmic membranes, septation, radiation, effects on 2590
hydrogen peroxide, free radicals, effects on, Bacteroides fragilis, survival 3088
incorporation, Mycobacterium phlei, ester mycolic acids 12432.
interaction, cytochrome o formation, Escherichia coli 6519.
levels, Bacillus megaterium spores, effects on radiosensitivity 12447.
monitoring, bacteria growth 4652
pH, effects on, Acetovibrio cellulolyticus, growth, viability 2664.
pressure, liver, rats, Escherichia coli, Bacteroides fragilis, experimental infection, effects on 3630
reaction amidophosphoribosyltransferase, regulation ligands, Bacillus subtilis 1507
reaction, cytochrome c oxidase, Paracoccus denitrificans 4063
reduction, respiration correlation protons transport, Paracoccus denitrificans 6552
role, Leishmania donovani cell death, association, macrophages 11593.
role, regulation, nitrate reduction, Paracoccus denitrificans 4778.
+substrates, reaction, protocatechuate 3,4-dioxygenase, kinetics, characterization intermediates, Pseudomonas putida 3954.
uptake, bacterioplankton, USSR lakes 12187.
uptake, Thiobacillus ferrooxidans, Thiobacillus acidophilus, association, uranous sulfate oxidation 5678
uptake, 1-phenyl-4-amino-5-chloro-piridazone-6, 3-cyclohexyl-5,6-trimethyleneuracil, effects on, Azotobacter chroococcum 9640.
Oxygen consumption,
sediments, aquatic ecosystems, microcosms, environmental impact, heavy metals, nutrients 9489
Oxygen tension,
atmospheric conditions, isolation, Campylobacter fetus subsp jejuni, animals 2512.
effects on, Hyphomicrobium, denitrification, dimethylamine dehydrogenase, dimethylamine mono-oxgenase, nitrate reductase, kinetics 2776.
Mycobacterium bovis, culture 9625.
Oxygenation,
effects on Bacteroides fragilis infection, liver, animal models 3500.
Oxyterracin,
± neomycin± streptomycin± chloramphenicol, antibiotic resistance, Escherichia coli, Salmonella, intestinal microflora, animals 3074
Oxytetracycline,
antibacterial activity, bacteria, fish diseases 3001

Oxytetracycline, (continued)
  antibiotic resistance, Enterobacteriaceae isolates, man, chickens, cattle 5110.
  antibiotic resistance, R-factors, transfer, Escherichia coli, Salmonella 2932.
  antibiotic sensitivity testing, Dermatophilus congolensis. in vitro 1736.
  antibiotic sensitivity testing, Escherichia coli, coliforms, R factors, agar diffusion test 6751.
  dimethyl sulfoxide, synergism, antibacterial activity, Proteus mirabilis, Salmonella typhimurium, Aeromonas hydrophila 4190.
  +EDTA-tromethamine, synergism, antibacterial activity, Proteus mirabilis, Salmonella typhimurium, Aeromonas hydrophila 4190.
  in vitro serum antibacterial activity, Bacillus cereus, tetracycline comparison 7807
  macrolide antibiotics, feeds, pigs, relationship, antibiotic resistance, Staphylococcus aureus, occupational exposure, man 4193
  Mycoplasma, antibiotic resistance 3056.
  Mycoplasma, antibiotic resistance 3057
  organic compounds, induction, antibiotic resistance, Staphylococcus aureus 9984
  production, Streptomyces rimosus, nitrogen sources, role 2968
  Streptomyces rimosus, mutants, biosynthesis, gene mapping 2962
  treatment, bacteria infection, Gramineae, symptoms 13443
  treatment, Bordetella bronchiseptica infection, juveniles, pigs 12081
  treatment, foot rot, sheep 2348.
  treatment, western X disease, Prunus avium, disease control, Mycoplasma 9394
Oxytretracycline,
  treatment, Anaplasma marginale, experimental infection, cattle 13387.
Oysters,
  larvae, Bacillus thuringiensis subsp.israelensis, pathogenesis 5491.
Ozonation,
  Olea europaea oils, antibacterial activity 12946
Ozone,
  disinfection, poliovirus, coxsackievirus, Escherichia coli, drinking water, clay effects on 5142.
  effects on Mycobacterium tuberculosis susceptibility, mice, guinea-pigs 2338.

Pacemakers,
  association, bacteria, infection, diagnosis, treatment, man 4480
Pachyrrhizus erosus,
  Pseudomonas phaseolicola, leafspot, identification, taxonomy 1293
Pacific Ocean,
  hot springs, bacteria, benthos 2497
Packaging,
  plasmids DNA, phage ΦX174 capsids 7694
Pactamycin,
  Streptomyces pactum biosynthesis, structure, N.M.R. 9921
Paddy fields,
  nitrification, fertilizers, effects on 4637
  nitrogen cycle, nitrification, mineralization 9442
  Oryza sativa, rhizosphere, nitrogenase activity, hexachlorocyclohexane effects on 1216
  physicochemical properties, diurnal variations, bacteria colonies 8238.
  soil, nitrification, flooding effects on 1205.
  soils, carbonyl sulfide, detection, cysteine decomposition 7328.
Pain,
  abdomen, presentation, Campylobacter fetus subsp.jejuni. enteritis, man 7024
Paintings,
  biodeterioration, air pollution+Thiobacillus, nitrifying bacteria 8438
Paints,
  +antifouling agents, bacteria colonization, conferences 10824
  +antifouling agents, colonization, marine microorganisms, bacteria 10806
Pakistan,
  Angiospermae, actinomycetes nodules, incidence 1217.
Palatinit,
  diets, effects on, dental caries, gnotobiotics (germ-free), rats 3649
  sugar comparison, cariogenicity, acid production, Streptococcus, oral microflora, rats 7968
Palindromes,
  DNA, double-stranded, binding, cleavage, kinetics, endodeoxyribonuclease EcoRI subunits, Escherichia coli 11087
Palmitic acid,
  Brochothrix thermosphacta, growth inhibition 9665.
  effects on Thermoactinomyces vulgaris proteinase metabolism 11453
  induction, antibiotic resistance, oxytetracycline, Staphylococcus aureus 9984.
Palmitoyl-CoA hydrolase,
  purification, characterization, Mycobacterium smegmatis 5749
Pamamycin,
  antibacterial activity, mechanisms, Staphylococcus aureus 1741.
Panama,
  man, traveller's diarrhea, Campylobacter fetus, incidence, Mexico travel 3371
Pancreas,
  carcinoma, Clostridium novyi isolation, liver, dogs 6368
  Cercopithecus aethiops, role, intestinal microflora maintenance 1046
  man, abscesses, association septicemia, Haemophilus segnis infection, clinical aspects 8053.
  pigs, α-amylase inhibitors, Streptomyces griseosporeus, isolation, characterization 3804.
  tuberculosis, man, case reports 1023
Panicim coloratum,
  Azotobacter nitrogen fixation, nitrogen levels effects on 9429.
Panicum maximum var.trichoglume,
  nitrogenase, nitrogen fixation, seasonal variations, Azospirillum lipoferum 7336.
Panicum miliaceum,
  nitrogen, content, growth, Azospirillum brasilense, nitrogen fixation, effects on 3701.
Panophthalmitis,
  association, Streptococcus group A endocarditis, antibiotics treatment, man, case reports 13284
Panopthalmitis,
  bacteria distribution, screening 6852
Pantothenate kinase,
  Escherichia coli, role, coenzyme A, biosynthesis, regulation 2810
Papaverine,
  biodegradation pathway, Nocardia mutants 12377
  effects on, Clostridium perfringens enterotoxins biosynthesis, in vitro 11369
  stimulation Clostridium perfringens sporulation 10943
Paper mills,
  industrial effluents, pollution effects, metabolism, heterotrophic bacteria, Finland rivers 12184.
Papilloedema,
  association, meningitis, incidence 901.
Papilloma virus,
  condyloma acuminatum, diagnosis, sex differences, man 2136.
Papio cynocephalus,
  sepsis, Escherichia coli, lung edema, role, immune response 1970.
Papovavirus,
  warts, tumorigenesis, role immunity, concurrent infection Mycobacterium scrofulaceum, man 6311.
Papua New Guinea,
  children, Streptococcus pneumoniae vaccination 616.
  man, bacteria diagnosis 11950.
  man, nose carriers, pathogens, bacteria, Papua New Guinea 11945.
Parabiosis,
  Agrobacterium, Calystegia, cell culture methodology 4671.
Paracoccus denitrificans,
  coupling factor B, immunoassays 4250.
  cytochrome c, cytochrome b, heme interactions, Raman spectroscopy 10966.
  cytochrome c, isolation, characterization 3932.
  cytochrome c oxidase, copper, manganese E.S.R. 4023.
  cytochrome cd1, heme environments, Raman spectroscopy 6610.
  cytochrome c550, amino acid sequence determination 2678.
  electron transport, reviews 9669.
  nitrate reduction, regulation, role, oxygen 4778.
  nitric oxide reduction, association, protons translocation, proline uptake 12425.
  nitrous oxide reductase, purification, characterization 4049.
  nitrous oxide reduction, electron transport, measurement, electrochemistry 8477.
  oxidative phosphorylation, cytochrome c oxidase, protons translocation 12474.
  oxygen effects on nitrate respiration 4780.
  oxygen, reaction, cytochrome c oxidase 4063.
  phosphatidylcholine composition 4081.
  rRNA 5S, nucleotide sequence 5725.
  superoxide dismutase, purification, characterization 7573.
Paracoccus denitriticans,
  respiration, correlation protons transport, nitrite, nitrous oxide, oxygen reduction 6552.
Paracoccus dentrificans,
  cytochrome c oxidase, structure, reaction mechanisms 185.
  transformation, plasmid RPI 1684.
Paraffin,
  biodegradation, gram-negative bacteria, screening 11000.
Paraffins,
  effects on, radiation sensitivity, Bacillus pumilus, spores 3090.
Paraformaldehyde,
  marine environment, sand, effects on microorganisms 10803.
Paraguay,
  Gossypium hirsutum, black arm disease, Xanthomonas malvacearum 4613.
Parainfluenza virus,
  +adenovirus (canine) 2+Bordetella bronchiseptica, combined vaccines, treatment, kennel cough, dogs 4345.
  vaccination, prophylaxis, Bordetella bronchiseptica, tracheobronchitis, dogs 3645
Parainfluenza virus 3,
  etiology, pneumonia, man 3321.
  interaction, Pasteurella haemolytica, mixed infection, pneumonia, pathology, cattle 10692
  mixed infection, Pasteurella haemolytica, pathogenesis, sheep 5489
  Ovis, experimental infection, ± Pasteurella haemolytica, ± Mycoplasma ovipneumoniae, pathology 7287.
  +Pasteurella haemolytica, mixed infection, cattle, Corynebacterium parvum effects on lung bacteria immune clearance 13034.
Paralysis,
  face, association, syphilis, man, case reports 11861.
  tetanus, neonates, man, case reports 6868.
Paranasal sinus,
  infection, association, nose polyps, children 10316.
Paraplegia,
  tetanus, man 7901
Paraproteinemia,
  man, pneumonia, Streptococcus pneumoniae infection, immunization, antibody response 8949.
Paraquat,
  effects on fruit rot, Rhizoctonia solani, Cucumis sativa 1151.
Parasalmo gairdnerii,
  furunculosis, treatment, chloramphenicol 10663.
Parasites,
  blood, Eperythrozoon suis, Eperythrozoon parvum, domestic animals 9341.
  infection, man, skin diseases, treatment, conferences 10834.
  Phaeophyta, bacteria, pathology 13456.
Parasitic diseases,
  animals, tropical environments, effects on public health 13369.
Parasitism,
  Chlamydia, digestive system, Argopecten irradians 10730.
  Eimeria falciformis, association mice skin diseases resistance, Salmonella abortus ovis 6147.
  Fusarium oxysporum f.sp.albedinis, actinomycetes 6406.
  Heterorhabditis bacteriophora association, Xenorhabdus luminescens, Pseudomonas aeruginosa, pathology, Culex pipiens 8130.
  Lolium rigidum, Anguina agrostis, Corynebacterium rathayi, sheep grazing, toxicity, kidney pathology 8879.
  mortality, temperature effects, Galleria mellonella 3654.
  Vibrio parahaemolyticus, association, Bdellovibrio, isolation, enumeration, growth, marine environment 9630.
Parathion,
  Pseudomonas diminuta, biodegradation 7447.
Parathion hydrolase,
  production, bacteria, culture 194.
Paratuberculosis,
  cattle, Corynebacterium equi effects on complement fixation tests 7924.
  Cervus elaphus nannodes, diagnosis, pathology, incidence, USA, California 8105.
  goats, characterization, case reports 7251.
  goats, characterization, diagnosis, case reports 7253.
  goats, infection, Mycobacterium paratuberculosis, case reports 9352.

Paratuberculosis, (continued)
Mycobacterium, diagnosis, sheep 3644
Mycobacterium paratuberculosis, diagnosis, lymphocytes stimulation, cattle 1117
Mycobacterium paratuberculosis, lymphocyte transformation tests, diagnosis, cattle 2385
Mycobacterium, pathogenicity, immune response (cell-mediated), juveniles, cattle 6062
outbreaks, sheep 13388
pathology, epidemiology, treatment, diagnosis, man 2294
treatment, rifampicin+streptomycin+isoniazid, goats 8112
Paratyphoid,
encephalitis, Salmonella paratyphi, children, case reports 9170
Salmonella paratyphi, epidemiology, clinical aspects, cholecystectomy association, man 10375
Paratyphoid fever,
Africa imported diseases, diagnosis, man 6197
lesions, association, vasculitis, man, case reports 11947
man, reviews 7028
Parenchyma,
kidney, children, urinary tract infection+ureter pressure, effects on 11795
kidney, children, urinary tract infection+ureter pressure, effects on 11815
plasmolysis, Erwinia amylovora infection, effects on apples leaves ultrastructure 6403
Parents,
Streptococcus mutans levels, saliva, relationship, levels, children 1952
turkeys, coryza immunization (passive), association, offspring immunity 4330
Paromomycin,
antibacterial activity, digestive tract microflora, mice 10640
effects on intestinal microflora, man 670
Paronychia,
anaerobic bacteria, aerobic bacteria, etiology, children 2211
Parotitis,
etiology, clinical aspects, man 5290
Paroxysmal nocturnal hemoglobulinuria,
complications, Pseudomonas aeruginosa, infection, renal failure, man 3552
Particles,
albumin, corynebacterium parvum effects on reticuloendothelial system function, mice, rabbits 8977
Particulate matter,
Laminaria pallida, biodegradation, bacteria 127
Parvovirus,
infection, association, Clostridium perfringens isolation, dogs 3580
Paspalum vaginatum,
nitrogen fixation, Eucalyptus tetrodonta forests, Australia 1184
Passage,
in vivo, effects on, Tyzzer's disease, Bacillus piliformis, virulence 515
Legionella pneumophila virulence, fibroblasts, man 513
Neisseria meningitidis, effects on endotoxins release 1809
Passeriformes,
intestine, colonization, Escherichia coli, Klebsiella pneumoniae 2360
Passive hemagglutination,
antibodies detection, Mycoplasma mycoides subsp mycoides, infection, cattle, immune response 11628
detection, immunity, Clostridium tetani, tetanus, man, hospitals 4304
diagnosis, syphilis, man 5185
serum levels, antitoxins, diagnosis, Clostridium tetani, tetanus, man 4306
Passive immunization,
tetanus man 9058
Passive reverse hemagglutination,
antibodies assays, Salmonella enteritidis, gastroenteritis, man 1841
Pasteurella,
animals isolates, identification, API test 1296
antibacterial activity, antibiotic HR 756, cephalosporins 1729
bacteriocinogenic factors, characterization 4210
classification 24
infection, finger bone, presentation, tumors, man, case reports 3532
infection, prophylaxis, vaccination, cattle, juveniles 4344
interaction, herpesvirus (bovine) 1, shipping fever pneumonia, bovine rhinotracheitis, pathology, etiology, cattle, reviews 10693
poultry, isolates, taxonomy, morphology, cultural characteristics, biochemical characteristics 7395
respiratory tract diseases, incidence, cattle, juveniles 4585
respiratory tract diseases, incidence, clinical aspects, cattle, juveniles 4555
serotypes, identification, indirect hemagglutination 3780
taxonomy 8337
Pasteurella anatipestifer,
infection, ducks, India 3619
Pasteurella haemolytica,
abortion, cattle, case reports 1121
± adenovirus (ovine), mixed infection, sheep juveniles, pathogenesis 12075
animal isolates, antibiotic resistance 8812
animal isolates, antibiotic resistance, antibiotic sensitivity testing, surveys 12930
antigens, neuraminidase enzymatic activity 1489
cattle animal isolates, biotyping, serotyping 9538
cytotoxicity, cattle leukocytes 6005
cytotoxicity, leukocytes (neutrophilic), cattle 559
effects on, immune clearance, Mycoplasma bovis, bovine diarrhea-mucosal disease virus, lung, cattle 10236
experimental infection, lung, sheep, immune response (cell-mediated), phagocytosis 10199
experimental infection, pathology, sheep 7288.
incidence, reproductive systems, cattle 4536
infection, pathogenicity, sheep, juveniles, gnotobiotics (specific pathogen free) 8123
interaction, parainfluenza virus 3, mixed infection, pneumonia, pathology, cattle 10692
macrophages cytotoxins purification, characterization 8868
mixed infection, parainfluenza virus 3, pathogenesis, sheep 5489
Ovis, experimental infection, ± parainfluenza virus 3, ± Mycoplasma ovipneumoniae, pathology 7287.
+parainfluenza virus 3, mixed infection, cattle, Corynebacterium parvum effects on lung bacteria immune clearance 13034
vaccination, immunity challenge, cattle, bovine rhinotracheitis virus infection effects on 9039
Pasteurella haemolytica like microorganisms,
pneumonia, differential diagnosis, gnotobiotics (specific pathogen free), pigs 3589
Pasteurella multocida,
animal isolates, antibiotic resistance 8797
animal isolates, antibiotic resistance 8812
animal isolates, antibiotic resistance, antibiotic sensitivity testing, surveys 12930.
antigenic characteristics, reviews 4255.
antigenicity, turkeys 512.
antigens, isolation 8933
± Barodetella bronchiseptica, experimental infection, atrophic rhinitis, etiology, pigs 10713
brain abscesses, association, otitis, man, case reports 7067.
brain empyema, clinical aspects, diagnosis, treatment, man, case reports 2273.
cattle isolates, characterization 94
clinical isolates, animals bites, characterization 3828.
clinical isolates, fatty acid composition 4951
etiology, pneumonia, pigs 8102.
experimental infection, bacteria enumeration, fever treatment, effects on, rabbits 2384
eye infection, fowl cholera, turkeys 1057.
fowl cholera, Corvus brachyrhynchos, outbreaks, USA, Texas 5475.
fowl cholera, pathogenesis, turkeys, transport, effects on 3607.
hemorrhagic septicaemia, diagnosis, incidence, clinical aspects, cattle, South Africa 3639
infection, cats, disease resevoirs, turkeys 9361.
infection, immune response (humoral), enzyme-linked immunosorbent assay, turkeys 6031.
infection, lung, immune response, radioactive labelling, mice 7930.
infection, man, central nervous system empyema 8023.
isolation, biochemical characteristics, serotyping, cattle, buffaloes, Malaysia 34
killed, inoculation, effects on, zinc, iron, excretion, urine, dogs 2361.
media (culture), agitation, methodology 10866.
meningitis, case reports, neonates, man 11841.
nitric oxide effects on infection, mice 6075.
osteoarthritis, man, case reports 6275.
pasteurellosis, antibiotics treatment, association, Clostridium difficile colitis, rabbits 8119
pasteurellosis, epidemiology, Aves, British Isles 7268.
peptidoglycans, structure 4947
phage B225, isolation, characterization, cattle 4121.
plasmids, antibiotic resistance, streptomycin, drug resistance, sulphadiazine, transfer, Escherichia coli 3050
pneumonia, incidence, seasonal variations, pigs 2356.
potassium thiocyanate extracts, antigenicity 6049
ribosomes, antigenicity, mice 621.
strains, antigenic relationship 519.
susceptibility, leukocytes (neutrophilic), phagocytosis, rabbits 534.
vaccination, effects on, lymphocytes, proliferation, rabbits 10266
vaccination, fowl cholera, chickens 633.
vaccination, immune response, rabbits 3248
vaccination, immunity challenge, cattle, bovine rhinotracheitis virus infection effects on 9039
vaccination, role, immunity, pasteurellosis, rabbits 6127.
vaccines, animals, nomenclature, preparation 10274.
vaccines, antigenicity, development 1909.
wound infection, animals bites, man 6302
Pasteurella pneumotropica,
clinical isolates, animals bites, characterization 3828
infectivity, disease transmission, mice, rats 7254.
secondary infection, association, Kilham rat virus infection, rats 1060
Pasteurella pseudotuberculosis,
lymphangitis, media (isolation), identification, cattle 12260.
Pasteurella testudinis sp.nov.,
characterization, isolation, Gopherus agassizi 8350.
Pasteurellosis,
antibiotics treatment, association, Clostridium difficile colitis, rabbits 8119
immunity, role, Pasteurella multocida vaccination, rabbits 6127.
Pasteurella multocida, epidemiology, Aves, British Isles 7268
Pasteurization,
effects on, Bacillus licheniformis spores ultrastructure 4724.
ultrahigh temperature, dairy products, Pseudomonas lipase, heat resistance 8596
Pastinaca sativa,
blight, Pseudomonas marginalis, Pseudomonas viridiflava, etiology 2411.
Pasture,
Salmonella typhimurium, indicator species, survival, manure, soil amendment 12142
Pasturella multocida,
clinical isolates, identification, disc-diffusion test, penicillin G, nafcillin 3777
Pasturized milk,
coliforms, counting methods 12213
Pathogenesis,
acne, bacteria, treatment, adolescence 11678.
adherence, role, Enterobacteriaceae, polytetrafluoroethylene grafts, characterization 9606
adherence role, Neisseria, fallopian tube mucosa, man 11825
Aeromonas hydrophila infection, Salmo gairdneri, Salvelinus fontinalis 1803
agalactia, goats, Mycoplasma infection 13378.
animal models, experimental infection 13295.
appendicitis, role, Bacteroides fragilis, immunological aspects, man 7101.
arthritis, bacteria, man 7170
arthritis, septicemia, juveniles, horses 10675
association, Haemophilus influenzae adherence, mouth epithelium, man 10322.
association, Treponema pallidum antigens, identification 11554.
Bacillus thuringiensis subsp.israelensis, larvae, oysters 5491.
bacteria diseases, immune response 9381.
bacteria infection, plants 13421.
bacteria infection, plants, books, conferences 13544.
bacteria, man, otitis media, role, middle ear immune response 8999
bacteria, role cell membranes, man, reviews 10154.
Borrelia anserina, spirochetosis, coagulation, role, chickens 4543
Brucella abortus experimental infection, Didelphis virginiana 8118
brucellosis, Brucella canis, dogs, man 7285.

Pathogenesis, (continued)
- Campylobacter jejuni colitis, animal models, gnotobiotics, dogs 12079.
- concurrent infection, Salmonella typhimurium+Eimeria tenella, chickens 4579.
- crown gall, association, indole-3-acetic acid 5497.
- diarrhea, fluids treatment, juveniles, cattle 10661.
- diseases, Mycoplasma pneumoniae adherence role, man 11995.
- endocarditis, bacteria adherence role, man 11992.
- enteritis, association, diarrhea, Escherichia coli, man 11787.
- enteritis, Campylobacter fetus subsp.jejuni, man, reviews 7022
- Erwinia carotovora subsp.carotovora infection, Lycopersicon esculentum, mathematical models 7306.
- Erwinia carotovora subsp carotovora infection, Lycopersicon esculentum 12102.
- Escherichia coli, pigs, relationship, enterotoxins biosynthesis 475.
- gonorrhea, man, reviews 8024.
- Herxheimer reaction, role, complement, syphilis lesions, rabbits 6085.
- Kaposi's sarcoma, role, bacteria, man 7174.
- keratitis, herpes simplex virus, comparison, Treponema pallidum, electron microscopy, case reports, man 13276.
- leprosy, characterization, immune response (cell-mediated), man 11609.
- leptospirosis, Leptospira var.hardjo, var. szwajizak, cattle 9354.
- leptospirosis, reviews 1078
- lung tuberculosis, man 6964
- lung tuberculosis, negative sputum smears, radiography, man 4384.
- lymphadenitis, Streptococcus, cats 8117.
- mastitis, cattle role Streptococcus group G antigens 8109.
- mastitis, role rumen absorption, Escherichia coli endotoxins, cattle 11492.
- membranes, Bacillus thuringiensis, endotoxins, Insecta 8885.
- milky disease, Bacillus, Amphimallon majalis, Apis mellifera 9380.
- mixed infection, adenovirus (ovine)± Pasteurella haemolytica, sheep juveniles 12075.
- Mycobacterium bovis Experimental infection, Trichosurus vulpecula 5458.
- Mycobacterium intracellulare experimental infection, mice 6162.
- Mycoplasma infection, man, domestic animals, conferences 10837.
- Mycoplasma pneumoniae, respiratory tract infection, children 10328
- Mycoplasma pulmonis, role, arthritis, mice 1105.
- mycoplasma-like organisms, spiroplasma, infection, plants 13422.
- necrotizing enterocolitis, man 10368.
- Neisseria meningitidis sepsis, endophthalmitis association, immunity, man, case reports 11586.
- oral cavity infection, Campylobacter sputorum subsp.mucosalis, juveniles, pigs 7232.
- osteomyelitis, bacteria, treatment, children 10614.
- parainfluenza virus 3+Pasteurella haemolytica mixed infection, sheep 5489
- Pasteurella multocida, fowl cholera, turkeys, transport, effects on 3607.
- peritonitis, man, reviews 10612.
- Pittsburgh pneumonia agent, pneumonia, man, immunocompromised hosts 10339.
- pleuropneumonia, Haemophilus parahaemolyticus, clinical aspects, pigs 10645
- pneumonia, Chlamydia psittaci, mice 13145.
- pneumonia, man, Pseudomonas aeruginosa, Proteus, Acinetobacter, Enterobacter, Serratia 4381.
- pseudomembranous colitis, children, gram-negative bacteria 13163.
- pseudomembranous colitis, Clostridium difficile toxins, man 10092.
- pseudomembranous colitis, Clostridium difficile toxins, role clindamycin metabolites, hamsters 11491.
- pseudomembranous colitis, Clostridium difficile toxins, association, antibiotics, man 11496.
- rheumatic fever, Streptococcus group A protein M, lymphocytes cytotoxicity 7110.
- Rickettsiella, Rivulogammarus pulex, electron microscopy, staining 12083.
- Salmonella gallinarum experimental infection, Coturnix coturnix 13379.
- Salmonella infection, Falco peregrinus, breeding houses, USA, New York 8100.
- Salmonella infection, role endotoxins, mice 6862.
- Salmonella kidney abscesses, man, case reports 9165.
- scab, Xanthomonas campestris pv.vesicatoria, relative humidity, effects on, Piper nigrum 12096.
- Serratia marcescens infection, contact lenses, man 7097.
- Staphylococcus aureus postoperative infection, rabbits, laparotomy, surgery comparison surgical diathermy 13404.
- toxic shock syndrome, man 12988.
- trachoma, man 9243.
- tuberculosis brain abscesses, man 11837
- tuberculosis, detection, E.S.R., fucose serum levels, man 11735.
- tuberculosis lung, man, reviews 6970.
- tuberculosis, Mycobacterium tuberculosis, immune response, diagnosis, man, reviews 13042
- urinary tract infection, bacteria, treatment, man 11828.
- urinary tract infection, Escherichia coli, children 7039.
- Vibrio cholerae, toxins, intestine secretions, nerves, role 487
- Vibrio, clinical aspects, identification 11976.
- Vibrio vulnificus infection, role, iron, man, animals 4487
- Whipple's disease, bacteria, etiology, man 11773.
- wilt blight, Erwinia stewartii, Zea mays, disease resistance, pathophysiology 13431
- xanthogranulomatous pyelonephritis, bacteria, man 7048.

Pathogenicity,
- Aeromonas hydrophila 9343.
- Aeromonas hydrophila, Plesiomonas shigelloides, gastrointestinal tract, man 5319.
- Agrobacterium gypsophilae, Gypsophila paniculata, taxonomic revision 3663.
- Agrobacterium rhizogenes, hairy root, role, plasmids, tissue culture, Nicotiana tabacum 4612.
- Bacillus, mice 11973.
- Bacillus sphaericus, mice, rats, rabbits 2368.
- Bacillus thuringiensis, Leucania separata, digestive enzymes effects on 1132.
- Bacillus thuringiensis serotypes, susceptibility, Galleria mellonella 12082
- Bacillus thuringiensis varieties, Culicidae 4597.
- bacteria, biosynthesis, surfactants, role, roots attachment 4090.
- bacteria, effects on, Beta vulgaris crop production 13451.
- bacteria, Insecta, books 9497.
- bacteria mutants, antibiotic resistance 6822.
- bacteria mutants, L form, man 7094
- bacteria, mutation 11287
- bacteria, role, proteinase, detection, egg yolk agar 2513
- bacteria soil isolates, rats, man 9295
- bronchopneumonia, isolation, Mycoplasma bovirhinis, cattle 13395.
- Campylobacter fetus subsp.jejuni, diarrhea, isolation, juveniles, cattle, sheep 3597
- Campylobacter jejuni, infection, man, etiology, reviews 9258

Pathogenicity, (continued)
- chlamydia, characterization 9195.
- cholera, role, Vibrio cholerae enterotoxins subunits, animal models 10111.
- Clostridium butyricum, cytotoxicity, characterization, laboratory animals 3587.
- Clostridium chauvoei strains 85.
- Corynebacterium, Sorghum vulgare sudanensis 1269.
- Coxiella burnetii experimental infection, juveniles, mice 13405.
- dental plaque, bacteria, factors affecting, man 7967.
- drug resistance, bacteria mutants, plasmids, genetic factors 6716.
- Edwardsiella tarda infection, Anguilla japonica 2373.
- effects on, morphology, mycobacterium 12337.
- endocarditis, Neisseria mucosa, commensals, association, skin, reviews, case reports, man 9297.
- Entamoeba histolytica infection, hamsters, pure culture, bacteria effects on virulence 10151.
- epizootiology, mycoplasmosis, chickens 10688.
- Escherichia coli clinical isolates, role Col V plasmid, mice 9902.
- Escherichia coli, clinical isolates, role enterotoxins, phospholipase A 8867.
- Escherichia coli, diarrhea, juveniles, cattle 9338.
- Escherichia coli, endotoxins, immunity (humoral), small intestine ablation, rats 12981.
- Escherichia coli, food contamination, isolation methodology effects on 12208.
- Escherichia coli identification, methodology 4691.
- Escherichia coli, relationship, serotyping 1291.
- fungi, Pseudomonas, association, leukocytes (granulocytic) transfusion, treatment, neutropenia, man 9218.
- gram-negative bacteria, Galleria mellonella 8129.
- guinea-pigs, Rickettsia, experimental infection, Ornithodoros moubata 13416.
- Haemophilus avium, role hemagglutin, chickens 9346.
- immune response, hemolymph, Bacillus cereus, Galleria mellonella 7948.
- infection, Mycoplasma ovipneumoniae, Pasteurella haemolytica, sheep, juveniles, gnotobiotics (specific pathogen free) 8123.
- Legionella, endotoxins 7889.
- Leguminosae, Rhizobium 1193.
- man, zoonoses, Mammalia Chlamydia infection 7176.
- mechanisms, Campylobacter fetus subsp.jejuni isolates, animals, man 11972.
- mechanisms, characterization, Neisseria meningitidis 10551.
- Meloidogyne incognita, relationship, Rhizobium leguminosarum, effects on Vigna sinensis 9412.
- Mycobacterium, antigens, immunity, mice, comparison, man 10211.
- Mycobacterium avium serotypes, tuberculosis, experimental infection, cattle 7238.
- Mycobacterium, immune response (cell-mediated), paratuberculosis, juveniles, cattle 6062.
- Mycobacterium terrae, rheumatoid arthritis, case reports, man, knee 7095.
- Mycobacterium thermoresistible, man 4397.
- Mycobacterium tuberculosis, lung tuberculosis treatment, antitubercular agents, effects on, man 768.
- Mycoplasma bovis, experimental infection, cattle vesicular gland 10648.
- Mycoplasma columborale, Columbidae, chickens 6363.
- Mycoplasma, infection, diagnosis, man, reviews 10508.
- Mycoplasma neurolyticum, role toxins 10119.
- Oleaceae, Nerium oleander, association, Pseudomonas syringae, taxonomic revision 8301.
- Propionibacterium acnes, experimental infection, mice 10149.
- Proteus mirabilis, proteinase secretion, survival, mice 8946.
- pseudomembranous colitis, bacteria, treatment, man 11772.
- Pseudomonas aeruginosa, clinical isolates, soil isolates, enzymes characterization 6662.
- Pseudomonas aeruginosa, iron effects on, cornea infection, mice 4266.
- Pseudomonas aeruginosa, man eyes isolation, rabbits cornea 6483.
- Pseudomonas aeruginosa, role exotoxins, proteinase, reviews 11540.
- Pseudomonas syringae pv.glycinea, Glycine wightii isolates 6858.
- rhizosphere microorganisms, Beta vulgaris crops, identification, characterization 6431.
- Rhizotonia solani, Rhytophthora megasperma, antibiotic antagonism, streptomyces, soil, agar diffusion test 3675.
- Rickettsia, serotyping, spotted fevers, animals 13411.
- Salmonella, Serpentes 6355.
- Spiroplasma, Galleria mellonella larvae 4600.
- spore-forming bacteria, airborne microorganisms, role infection, man 13531.
- Staphylococcus aureus infection, defense mechanisms, man 7092.
- Staphylococcus aureus, toxic shock syndrome clinical isolates, exotoxins production, genetic control 9840.
- Streptococcus, comparison, Vibrio anguillarum, Plecoglossus altivelis 6335.
- Streptococcus group B, animal isolates, cattle, hyaluronidase, identification, phage typing 3805.
- Streptococcus group B, experimental infection, pregnancy, mice 3571.
- Streptococcus group B, strains, neutrophils, man 579.
- Streptococcus, serotyping, animal isolates, pigs 10924.
- susceptibility, Bacillus thuringiensis, Achoea janata, Spodoptera litura 9384.
- urinary tract infection, association, age, man 11813.
- Vibrio anguillarum, Streptococcus, Plecoglossus altivelis 5457.
- Vibrio cholerae, phenotypic variations, water pollution 7343.
- Vibrio cholerae, waste water isolates, man, characterization 6308.
- Vibrio parahaemolyticus, food-borne diseases, man 13162.
- Vibrio parahaemolyticus, relationship, adherence, epithelium cells, in vitro, in vivo 3821.
- Vibrio parahaemolyticus, strains, growth, biological properties 12443.
- Vibrio vulnificus 6439.
- Vibrio vulnificus, biotypes, isolation, Anguilla japonica 12059.
- Xenorhabdus infection, juveniles, chickens, mice 10709.
- Yersinia enterocolitica biotypes, feces isolates, man 9231.
- Yersinia enterocolitica, food contamination 13165.
- Yersinia enterocolitica infection, post-irradiation, animal models 2186.
- Yersinia enterocolitica, relationship enterotoxins tests 11539.

Pathogens,
- Actinomycetes, aerobic bacteria, clinical aspects, identification 11956.
- Anguilla rostrata, bacteria 6330.
- association, diarrhea, Escherichia coli, Shigella, Vibrio cholerae, incidence, case surveys, children 7014.
- bacteria, animals, detection, reviews, serological tests 11529.
- bacteria, biosynthesis, β-lactam antibiotics, antibiotic resistance, reviews 4194.
- bacteria, classification, characterization, man 11967.
- bacteria, crop plants, reviews 13424.
- bacteria, food poisoning, food contamination, hygiene, food processing 13158.

Pathogens, (continued)
bacteria, hypersensitive response, defense mechanisms, plants 13420
bacteria, infection, cattle, reviews 9349
bacteria, Invertebrata, reviews 9378
bacteria, plant diseases, inoculation equipment 9395
bacteria, resistance mechanisms, β-lactam antibiotics, reviews 5918
bacteria, water pollution, epidemiology, coastal waters 6254
biological control, larvae, Bacillus thuringiensis, Achoea janata 4599
biological control, larvae, Bacillus thuringiensis, Diacrisia obliqua 4595
eye, antimicrobial activity, amikacin analogs, gentamicin 5908
gram-negative bacteria, viability, fermentation, food processing wastes, Lactobacillus acidophilus, effects on 2647
gram-positive bacteria, viability, fermentation, food processing wastes, Lactobacillus acidophilus, effects on 2648
infection, Ipomoea batatas, effects on phytoalexins biosynthesis 8143.
intestinal flora, antibiotic sensitivity testing, in vitro 2998
killing, phagocytes, mechanisms 7937
manure, bacteria, factors affecting soil survival 10789
mastitis, identification methodology 7363.
microorganisms, disease resistance, Insecta 9379
most probable number, indicator species, water quality 7369
mutants, enzymes, cell surface, virulence, Pseudomonas aeruginosa, Galleria mellonella 6390
new records, characterization, rickettsia-like disease, Scotogramma trifolii 12085
nose carriers, bacteria, man, Papua New Guinea 11945.
nosocomial infection, new records, man, characterization 10510.
phages, morphology, ultrastructure, isolation, Apis mellifera, Bacillus larvae 9855
plants, bacteria, survival, host-pathogen interactions 9418.
plants, Corynebacterium, new taxa, characterization 9535.
Rivulogammarus pulex, Rickettsiella, pathogenesis, electron microscopy, staining 12083
saprophytes, plants, bacteria identification methodology 10891.
Spiroplasma, plants, animals, Insecta, characterization 3600.
survival, digestive tract, Moraxella bovis, Musca autumnalis 10696
synergism, Xenorhabdus luminescens, Heterorhabditis bacteriophora, Culex pipiens 6392
toxicity, spores, crystals, Bacillus thuringiensis, Ostrinia nubilalis 7897.
urinary tract, identification, AutoMicrobic test, cost-benefit analysis 4696
urinary tract infection, drug sensitivity testing, Cotrimoxazole 11460
Pathology,
Acanthospermum hispidum little leaf, Mycoplasma-like organisms 7305.
acne, man, reviews 4360
Actinomyces israelii, actinomycosis, urinary bladder, case reports, man 10412.
Actinomyces israelii, association, intrauterine devices, man 7054
adenoid tuberculosis, man 1978
annual ryegrass toxicity, sheep, cattle, South Africa 8099
arthritis, bacteria infection, man 5398
arthritis, Neisseria gonorrhoeae, man 3512
arthritis, spondylitis, osteomyelitis, computed tomography, man 1005
Bacillus cereus, meningoencephalitis, neonates, man, case reports 4442.
Bacillus megaterium, Arthrobacter, Serratia, Aeromonas, Aeromonas hydrophila, exotoxins, immunity, Eisenia fetida andrei 6066
bacteria abscesses, nose septa, man 9117.
bacteria, infection, ear, nose, throat, man, reviews 6992.
bacteria meningitis, recurrent infection, case reports, face, children 11843.
bacteria toxins, Insecta 8883
blood, experimental infection, Leptospira interrogans ser.icterohemorrhagiae, dogs 2378.
blotch, Pseudomonas fluorescens, etiology, Agaricus bisporus 9402
bone diseases, joint deseases, bacteria, man 3748
bone, Neisseria meningitidis, bacteremia, children, case reports 2197
bone, syphilis, man 3433
brain abscesses, Staphylococcus aureus, Macaca mulatta 8108
brain, syphilis, man 3434.
brucellosis, juveniles, horses 10704.
burn infection, Proteus mirabilis, experimental infection, rats 10528.
cerebellum, association, Legionnaire's disease, case reports, man 10342
cervix, genital tract infection, Chlamydia trachomatis, man 2143
Chlamydia trachomatis infection, association, endometritis, man, case reports 2071.
cholera, experimental infection, neonates, germfree mice 822
cirrhosis, association, sepsis, metabolic disorders, clinical aspects, man 10549
clindamycin induction enterocolitis, association, Bacillus pumilus, animal models 13181.
colitis, Yersinia enterocolitica, man, case reports 2030
cornea, cattle, keratoconjunctivitis, Moraxella bovis 1059.
cornea ulcers, Pseudomonas, man, case reports 977.
Corynebacterium equi, experimental infection, cattle 4557
Crohn's disease, Campylobacter fetus subsp.jejuni, children, case reports 13185.
Crohn's disease, comparison, gastrointestinal tract tuberculosis, man 836.
dental caries, association, dental fluorosis, man 720.
dental caries, association, fluoride treatment, children 6957.
dental caries, man 9079
dental pulp, bacteria infection, animal models 11687.
Dermatophilus congolensis, orf virus, experimental infection, rabbits, sheep 4586.
diarrhea, bacteria, factors affecting, virulence, man 13174.
diphtheria, man 6976.
diseases, Oryctolagus cuniculus, characterization 10714.
dysbacteriosis, intestine, association, malabsorption, dogs, case reports 12072.
dysentery, Shigella, treatment, man 11788.
emphysema pyelonephritis, Escherichia coli, man, case reports 2080.
endocarditis, Corynebacterium diphtheriae, diagnosis, case reports, man 10472.
endocarditis, fungi, Staphylococcus, man, India 10466.
endocarditis, gram-positive bacteria, man 13348.
endocarditis, man, conferences 10846.
endocarditis, man, Streptococcus group D infection 10584.
endotoxemia, horses 10126.
enteritis, Campylobacter fetus subsp.jejuni, man 2024.
enteritis, experimental infection, Campylobacter fecalis, cattle 2369.
enteritis, Salmonella typhimurium, experimental infection, monkeys 9370.
epididymitis, Escherichia coli, clinical aspects, sheep 12067.
epiphytes, Potamogeton crispus leaves, bacteria, algae, lakes, South Africa Rep. 13425
Pathology, (continued)
epithelium, gram-negative bacteria, urinary bladder, experimental infection, rats 2104.
Escherichia coli, bacteriuria, children, case reports 2091.
Escherichia coli± rotavirus experimental infection, juveniles, sheep 3582.
Escherichia coli urinary tract infection, man 873.
exanthematous typhus, man 9312.
eye, erythema nodosum leprosum, man, case reports 6146.
fin rot, Gadus morhua, Pseudomonas, Aeromonas, Vibrio 5484.
Flavobacterium, Mycobacterium, tuberculosis, mixed infection, fish 2349.
foot, Haemophilus influenzae infection, children 6294.
gas gangrene, Clostridium, man, Canada 3456.
gastrointestinal tract infection, scours, mixed infection, rotavirus, Escherichia coli, cattle 12048.
gastrointestinal tract spirochetosis, man 9130.
gastrointestinal tract tuberculosis, man, case reports 9129.
gastrointestinal tract, typhoid fever, man 817.
genital tract infection, sheep, males, bacteria 1055.
genitourinary tract infection, bacteria, pregnancy, man, reviews 2061.
gonorrhea, fetuses, man 7078.
gram-negative bacteria endotoxins inhalation, reviews 490.
granuloma inguinale, Calmmatobacterium granulomatis, man 2172.
Haemophilus influenzae infection, man, reviews 5378.
Haemophilus pleuropneumoniae, infection, pigs 1079.
heart, Corynebacterium pseudotuberculosis infection, sheep 5466.
heart, endocarditis, Actinobacillus actinomycetemcomitans, man, case reports 2183.
heart, rheumatic fever, children 5389.
heart, typhoid fever, man 2034.
ileum, dysbacteriosis, Crohn's disease, man 5264.
infection, Streptococcus group F, Streptococcus milleri, Streptococcus anginosus, man 4468.
intestine tuberculosis, man 10378.
intestine, Yersinia enterocolitica septicemia, man, case reports 5395.
kidney, association, toxicity, Lolium rigidum, parasitism, Anguina agrostis, Corynebacterium rathayi, sheep grazing 8879.
kidney, erythema nodosum leprosum, man 693.
kidney, heart, diphtheria, children, case reports 3327.
kidney, Leptospira canicola experimental infection, pregnancy, hamsters 2076.
larynx, Mycoplasma infection, gnotobiotics, rats 11746.
larynx tuberculosis, presentation, carcinoma, man, case reports 804.
legionnaire's disease, man 757.
Legionnaire's disease, man 9086.
leprosy, association, pregnancy, man, Ethiopia 3279.
leptospirosis, Leptospira interrogans ser.hardjo, clinical aspects, cattle, fetuses 7265.
liver, association, typhoid fever, treatment, man 4409.
liver membranes, Salmonella endotoxins induction, mice 10108.
liver, rheumatic fever, Streptococcus group A, man, case reports 3494.
liver, syphilis, radioassays, man 3421.
lung, children, infection, Staphylococcus, treatment, characterization 11698.
lung endotoxemia, Escherichia coli, nitroprusside effects on edema, sheep 10130.
lung, leptospirosis, radiography, man 3350.
lung, Mycoplasma pneumoniae infection, man 6982.
lung tuberculosis cavitation, man 781.
lung tuberculosis, factors affecting, children 2018.
lupus vulgaris, tumors like presentation, man, case reports 1947.
lymphadenitis, Yersinia pseudotuberculosis, man, case reports 2237.
maduromycosis, Actinomadura madurae, man, case reports 10475.
maduromycosis, Actinomadura pelletieri, man 2193.
man, role, Klebsiella antigens modification histocompatibility antigen HLA B determinants 4324.
mastitis, Proteus mirabilis, cattle, case reports 7246.
mastitis subclinical infection, cattle 7248.
measuring techniques, bacteria periodontal diseases, man 13097.
meningitis, bacteremia, experimental infection, Streptococcus group B, animal models 2132
meningitis, Haemophilus influenzae, association, nystagmus, man, case reports 889
meningitis, Haemophilus influenzae, man, France 891.
meningitis, man 2128.
meningitis, Mycobacterium tuberculosis, man 11840.
meningitis, Mycobacterium tuberculosis, man 13219.
meningitis, Mycobacterium tuberculosis, man, case reports 9177.
Mycobacterium avium infection, animal models 6255.
Mycobacterium avium infection, domestic animals 6337.
Mycobacterium avium-intracellulare lymphadenitis, man, case reports 7122.
Mycoplasma gallisepticum, experimental infection, genital tract, chickens 2374.
Mycoplasma pneumoniae infection, children 10311.
myocardium, post-streptococcal scleroderma, man, case reports 4501.
nails, chromonychia, Pesudomonas aeruginosa, man, case reports 2262.
Neisseria meningitidis infection, man, Spain 5422.
nephritis, bacteria, man, case reports 871.
nocardiosis, dogs 7258.
noma, Macaca cyclopsis 2355.
osteomyelitis, man, reviews 10462.
osteomyelitis, Mycobacterium intracellulare, man, case reports 2267.
otitis media, man 2006.
parainfluenza virus 3, Ovis, experimental infection, ± Pasteurella haemolytica, ± Mycoplasma ovipneumoniae 7287.
parasitism, Heterorhabditis bacteriophora association, Xenorhabdus luminescens, Pseudomonas aeruginosa, parasitism, Culex pipiens 8130.
parasitism, synergism, Xenorhabdus luminescens, Heterorhabditis bacteriophora, Culex pipiens 6392.
paratuberculosis, Cervus elaphus nannodes, USA, California 8105.
paratuberculosis, man 2294.
Pasteurella haemolytica experimental infection, sheep 7288.
peridontal diseases, bacteria, jaw, animal models, man 11695.
Phaeophyta bacteria parasites 13456.
plants, association, Erwinia carotovora transmission, fluorescent antibody test 12109.
pneumonia, Bordetella bronchiseptica, epizootiology, lesions, guinea-pigs 10677.
pneumonia, comparison, hyaline membrane disease, infants, man 5296.
pneumonia, Legionella pneumophila, Legionella micdadei, diagnosis, man, reviews 3323.
pneumonia, Legionella pneumophila, man, case reports 3326.

Pathology, (continued)
  pneumonia, Nocardia asteroides+Pneumocystis carinii mixed infection, carcinoids, man, case reports 1969.
  pneumonia, Pasteurella haemolytica, interaction, parainfluenza virus 3, mixed infection, cattle 10692
  pneumonia, Serratia marcescens, clinical aspects, man 13154.
  pneumonia, Streptococcus pneumoniae, man, reviews 9093.
  prostatitis, experimental infection, Klebsiella pneumoniae, Mastomys natalensis, females 2074.
  pseudomembranous colitis, association, Clostridium difficile, infants, case reports 2044
  pubic bone osteitis, bacteria, man 3537.
  pyelonephritis, diabetes mellitus rats, association Staphylococcus aureus Streptococcus faecalis 6212.
  rectum, enteritis, Campylobacter fetus subsp.jejuni, man 9141.
  Reiter's disease, association, enteritis, Campylobacter fetus subsp.jejuni, man, case reports 824.
  Reiter's disease, Chlamydia, keratitis association, man 10443.
  respiratory tract infection, Alcaligenes faecalis± infectious bursitis virus, turkeys 10720.
  rheumatic heart disease, children, Nigeria 2264
  rickettsia-like organisms, infection, Trichoplusia ni 8131.
  rickettsiosis, man, case reports 9273.
  rickettsiosis, man, Europe, reviews 13341.
  Salmonella, infection, guinea-pigs 4588.
  salpingitis, experimental infection, animal models 10277.
  scours, Escherichia coli, disease control, neonates, cattle 10721.
  sepsis, Neisseria meningitidis, children, case reports 2215.
  septicemia, Capnocytophaga sputigena, man, case reports 5355.
  Serratia marcescens keratitis, role, proteinase, rabbits 1091.
  shipping fever pneumonia, bovine rhinotracheitis, Pasteurella, interaction, herpesvirus (bovine) 1, etiology, cattle, reviews 10693.
  sinusitis, Mycoplasma gallisepticum, Meleagris gallopavo, case reports 10691.
  skin, Bacillus anthracis anthrax, leather transmission, man 5276.
  skin infection, Mycobacterium intracellulare, man 10290.
  spinal cord, Bacillus piliformis, Tyzzer's disease, rats 3574.
  stomach, syphilis, man, case reports 7077
  Streptococcus group B sepsis, association, splenectomy, man, case reports 7125.
  Streptococcus infection, organotropism, Plecoglossus altivelis 6357.
  Streptococcus pneumoniae infection, man 1017.
  Streptococcus pneumoniae otitis media, chinchillas 6999.
  Streptococcus RS form infection, pigs 3592.
  Streptococcus suis, infection, pigs, reviews 6369.
  tissues, Streptococcus pneumoniae infection 6918.
  toxic shock syndrome, man 995.
  toxic shock syndrome, man 10113.
  toxic shock syndrome, man, case surveys 10115
  toxic shock syndrome, man, case surveys, USA, Minnesota 10116.
  toxic shock syndrome, Staphylococcus aureus, clinical aspects, treatment, adolescence 11520.
  tracheitis, bacteria, man, case reports 769.
  tuberculosis, association, eye granuloma, Ateles geoffroyi, Macaca mulatta 8104.
  tuberculosis, endometrium, man 2088.
  tuberculosis, ischium, man 2281.
  tuberculosis, pregnancy, puerperium, association, man 5412.
  tuberculosis, spine, presentation, man 2253.
  tuberculosis thyroiditis, man 11907.
  udder, mastitis, cattle 5485.
  ulcerative colitis, Campylobacter fetus, man, case reports 838.
  urethritis, Neisseria gonorrhoeae, association, abscesses, tysonitis, man, case reports 922.
  urinary tract infection, association, renal function, children 10415.
  urinary tract infection, Escherichia coli, reviews, man 6223.
  urinary tract infection, man, gram-negative bacteria, localization 11798.
  vascular system, Circhorium intybus, Pseudomonas fluorescens, plant diseases 5499
  Vibrio infection 11929.
  Whipple's disease, bacteria, liver, appendix, lymph nodes, man, case reports 3374
  wound infection, surgery, bacteria, diagnosis, antibiotic prophylaxis, man, conferences 10845.
  xanthogranulomatous pyelonephritis, Proteus mirabilis, man, case reports 2090.
  Xanthomonas campestris pv.manihotis, blight, Manihot esculenta, South Africa 10748.
  yellows, Cocos nucifera, Mycoplasma-like organisms, Cuba 8148.
  Yersinia enterocolitica enteritis, man 11782.
  Yersinia enterocolitica ileitis, man, case reports 9139.
  Zea mays, infection, fungi, bacteria, viruses 8140.
Pathophysiology,
  Bacillus anthracis toxins, Primates, rats, reviews 6861
  bacteria bronchopulmonary infection, immune response 11581.
  diarrhea, bacteria, man 11778.
  Escherichia coli, Pseudomonas, urinary tract infection, man 4433
  Zea mays, disease resistance, wilt, blight, Erwinia stewartii, pathogenesis 13431.
Pathway,
  arabinose metabolism, characterization, Azospirillum brasilense 5653.
  biodegradation, phenylalanine, Phenylobacterium immobilis 5646.
  glutamine synthetase+glutamate synthetase, role, ammonia metabolism, Gluconobacter oxydans subsp.suboxydans 5655.
  transport, tetanus, cholera, toxins, cell membranes invaginations 6018
  tylosin biosynthesis, characterization, Streptomyces fradiae 5899.
Pathways,
  Streptomyces clavuligerus, clavulanic acid, biosynthesis 7754.
Patients,
  hospitals, Klebsiella clinical isolates, antibiotic resistance 9998
Patulin,
  fungi, carbohydrates effects on antibacterial activity, Streptococcus bovis 12951.
Paulomycins,
  Streptomyces paulus, production, isolation, characterization 7726.
PCB,
  Bacillus, half-life 8369
  biodegradation, relationship, plasmids, Acinetobacter, Arthrobacter 12368
  biodegradation, sewage, microorganisms 7434
  effects on, Nitrosomonas europaea, Nitrobacter agilis, nitrification 10775
Peaches,
  phony disease, etiology, bacteria presentation Rickettsia 6402.
Peat,
  bacteria, incidence, γ-radiation, sterilization 3702.
  Pseudomonas tolaasi, Pseudomonas fluorescens, isolation methodology 8253.
  swamps, methanogenesis, USA, Georgia 8178.
Pectate lyase,
  biosynthesis, Erwinia chrysanthemi, water± sodium chloride, effects on 12681.
  biosynthesis, Erwinia crysanthemi, exo-poly-α-D-galacturonidase, role 9734.
Pectin,
  digestion (anaerobic), Clostridium butyricum, lakes, characterization 9626.
  Eubacterium limosum, Lachnospira multiparus, mixed culture, metabolism, hydrogen transfer 2637
  fermentation, media (culture), Bacteroides ruminicola, Selenomonas ruminantium, Lachnospira multiparus, Succinivibrio dextrinosolvens 9652.
Pectin-degrading bacteria,
  Clostridium butyricum, wetwood, Populus deltoides, Populus nigra, Ulmus americana 4614.
Pectinolytic enzymes,
  association, Rhizobium meliloti, infection, Medicago sativa 10777.
  fermentation, products, Clostridium felsineum 12619.
Pediatrics,
  antibiotics treatment 10578.
  shigellosis, shigella, case surveys, treatment, children 13177.
  surgery, antibiotics, prophylaxis, postoperative infection, characterization 6292.
Pediculus humanus,
  symbionts, bacteria 6391.
Pediococcus,
  classification, milk ring test, gel diffusion 38.
  isolation, wine, methodology 1253.
Pediococcus cerevisiae,
  antibacterial activity, oregano extracts 5140.
  growth, media (culture), use, cabbage juices 4673.
  lysine bioassays, kinetics 9523.
  thymidine, mutant, reversion, isolation, characterization 8709.
Pediococcus pentosaceus,
  t-butylhydroquinone effects on, in vitro 3083.
  lactic acid biosynthesis, continuous culture 9791.
Pedomicrobium,
  taxonomy, DNA homology 4708.
Pefloxacin,
  ± derivatives, antibacterial activity 5965.
Pelargonium hortorum,
  Pseudomonas solanacearum, wilt, identification, new records 9389.
Pelger-Huet anomaly,
  diagnosis, prognosis, tuberculosis, clinical aspects, case reports, man 11970.
Pellicle,
  Acetobacter aceti subsp.xylinum, cellulose content, structure 10956.
Pelvic inflammatory disease,
  abscesses, Actinomyces israelii, association, intrauterine devices, genital tract, man 2052.
  association, bacteria, isolation, intrauterine devices, man 10395.
  bacteria, etiology, mixed infection, treatment, females, man 6216.
  Chlamydia trachomatis, man 13234.
  chlamydia trachomatis, Neisseria gonorrhoeae, treatment, lymecyclin, lincomycin, man 3403.
  epidemiology, man, USA 853.
  epidemiology, man, USA 854.
  etiology, treatment, man 13188.
  Neisseria gonorrhoeae, isolates, antibacterial activity, β-lactam antibiotics 390
  Neisseria gonorrhoeae, man, cefotaxime treatment 7079.
  sexually-transmitted diseases, man, Zimbabwe, incidence 2170.
  treatment, doxycycline, ampicillin, man 13189.
Pelvis,
  infection, anaerobic bacteria, clindamycin treatment, man 10344.
  infection, anaerobic bacteria, clinical isolates, β-lactam antibiotics, antibiotic sensitivity testing 11407.
  infection, Salmonella typhi, treatment, man, case reports 6259.
  inflammation, bacampicillin treatment, man 9248.
  wound infection, drainage systems, man 2270.
Penaeus stylirostris,
  larvae, micorflora, Pseudomonas piscicida. Aeromonas formicans, Flavobacterium 8134.
Pencillin G,
  inhibition, Escherichia coli, Bacillus megaterium, peptidoglycan transpeptidase 322.
Pencillin N,
  inhibition, Escherichia coli, Bacillus megaterium, peptidoglycan transpeptidase 322.
Pencillinase,
  inhibitors, +ampicillin, treatment, endocarditis, Staphylococcus aureus, experimental infection, rabbits 4577.
  production, antibiotic resistance, isolation, oral cavity, Bacteroides oralis, Bacteroides melanino genicus subsp. melaninogenicus 11434.
  Pseudomonas aeruginosa, antibiotic resistance, β-lactam antibiotics, antibiotic sensitivity testing 3029.
Penetration,
  gram-negative bacteria cell membranes, cephalosporin, oxacephalosporin, role, antibacterial activity 6496.
  Micrococcus, Staphylococcus, fabrics, surgical clothing 2187.
  Yersinia enterocolitica, interaction, HeLa cells, infectivity 10143.
Penicillanic acid,1,1-dioxide,
  association, cefoperazone, antibacterial activity, Haemophilus influenzae 332.
Penicillin,
  +acetohydroxamic acid, treatment, pyelonephritis, Corynebacterium renale, rats 4436
  Actinomyces viscosus, effects on levansucrase biosynthesis 8619.
  analogs, antibacterial activity, structure-activity relationships 3022.
  antibacterial activity, antibiotic resistance, Streptococcus group A 1747.
  antibacterial activity, Bacteroides, clinical isolates, oral cavity 11381.
  antibacterial activity, Borrelia hermsii, characterization 8767.
  antibacterial activity, Legionella micdadei, in vitro 9932.
  antibacterial activity, Neisseria gonorrhoeae 418.
  antibacterial activity, Neisseria gonorrhoeae, comparison, cefoxitin,

Penicillin, (continued)
  cefmenoxime, cefotaxime, in vitro 3006
  antibacterial activity, Streptococcus group A, in vitro 342
  antibacterial activity, Streptococcus group B 334
  antibacterial activity, Streptococcus, mastitis isolates, cattle 5105
  antibiotic prophylaxis, burn patients treatment, effects on cellulitis burn infection 6152
  antibiotic resistance Bacteroides, antibiotic sensitivity testing, tetracycline, doxycycline, minocycline 5955
  antibiotic resistance, isolation, Neisseria gonorrhoeae, penicillinase, production 11442
  antibiotic resistance, Neisseria gonorrhoeae, clinical isolates 7829
  antibiotic resistance, Neisseria gonorrhoeae, isolation, penicillinase biosynthesis, USA, Florida 1754.
  antibiotic resistance, ophthalmia, Branhamella catarrhalis, children, case reports 7216
  antibiotic resistance, plasmids, Staphylococcus epidermidis, characterization, transfer, Staphylococcus aureus 3049
  antibiotic resistance, role penicillinase, Neisseria gonorrhoeae clinical isolates 7828
  antibiotic resistance, Staphylococcus, association penicillinase biosynthesis 5954
  antibiotic resistance, Staphylococcus aureus 380
  antibiotic resistance, Staphylococcus aureus, burn patients 8793
  antibiotic resistance, Staphylococcus aureus, man 406.
  antibiotic resistance, Staphylococcus group B, recurrent infection, infants, man, case reports 10561
  antibiotic resistance, Streptococcus constellatus, association, endocarditis, children, man, case reports 5950
  antibiotic resistance, Streptococcus faecium, R factors 7838
  antibiotic resistance, Streptococcus group B, bacteremia, man, case reports 10517
  antibiotic resistance, Streptococcus group C, clinical isolates 393
  antibiotic resistance, Streptococcus pneumoniae, clinical isolates, association, antibiotic sensitivity testing, β-lactam antibiotics 3012
  antibiotic resistance, Streptococcus pneumoniae, incidence, USA, Texas 5937
  antibiotic resistance, Streptococcus pneumoniae, mechanisms 407
  antibiotic resistance, Streptococcus pneumoniae, meningitis, treatment, man 2135.
  antibiotic resistance, Streptococcus pneumoniae, screening, carriers, man 6829.
  antibiotic resistance, Streptococcus pneumoniae, strains, serotyping 9999
  antibiotic sensitivity testing, disc-diffusion test, Neisseria gonorrhoeae 350.
  antibiotic sensitivity testing, gram-positive bacteria, Haemophilus influenzae, in vitro 9924
  antibiotic sensitivity testing, Mycobacterium fortuitum 6787
  antibiotic sensitivity testing, Neisseria gonorrhoeae, agar dilution test, agar diffusion test 6776
  antibiotic sensitivity testing, staphylococcus aureus, Autobac test 4180
  antibiotic sensitivity testing, Streptococcus group D clinical isolates 5905.
  antibiotic tolerance, Streptococcus group B, characterization, clinical isolates, neonates, man 3066
  +antibiotics, antibacterial activity, anaerobic bacteria infection treatment, man 10485
  Bacteroides, antibiotic resistance 11439
  clinical trials, antibiotic prophylaxis, abdomen trauma, man 10534.
  comparison, bracen, treatment, respiratory tract infection, bacteria, children 9115.
  comparison, piperacillin, treatment, gonorrhea, man 8026
  concentration, growth stage, Streptococcus group B, bactericidal activity 331
  derivatives+Erysipelothrix rhusiopathiae vaccines, immunosuppression, mice 623.
  effects on cell walls biosynthesis, bacteria 5919
  effects on dairy starters 6788.
  effects on, intestinal microflora, man 675
  effects on intestinal microflora, mice 5450
  effects on Neisseria gonorrhoeae L form 12899
  effects on Neisseria meningitidis morphology 12902
  effects on, Streptococcus mutans, morphology, protein biosynthesis, peptidoglycans biosynthesis 4179.
  +erythromycin, antibacterial activity, Listeria monocytogenes, growth 9963
  Escherichia coli spheroplasts, triethyltin chloride, tripropyltin chloride, tributytin chloride, effects on 5134.
  gas gangrene, Clostridium perfringens, prophylaxis, treatment, association, amputation, man 10576.
  +gentamicin, antibiotic synergism, antibacterial activity, Streptococcus group A, Streptococcus group B 1711
  meningitis treatment, role, administration routes, children 900.
  Neisseria gonorrhoeae, antibiotic resistance, plasmids, transformation 5944.
  Neisseria gonorrhoeae, antibiotic sensitivity testing 1728.
  prophylaxis, genital tract infection, abortion, man 11814.
  prophylaxis, postoperative infection, association, lung surgery, man 10451
  proteins binding, plasma membranes, selenomonas ruminantium 3823.
  resistance bacteria, urinary tract infection, treatment, amoxicillin± clavulanic acid, man 11805
  ± rifampicin, ± cotrimoxazole, antibiotic sensitivity testing, Listeria monocytogenes clinical isolates 5968
  role, leukocytes (polymorphonuclear) phagocytosis Streptococcus pyogenes 10222.
  sensitivity tests, Neisseria gonorrhoeae, treatment, association, man, serum 9974.
  Staphylococcus aureus, antibiotic sensitivity testing 3107.
  Staphylococcus sensitivity 11428.
  Streptococcus group A, effects on hyaluronidase biosynthesis 8597.
  Streptococcus group B, antibiotic resistance, pH effects 388.
  Streptococcus group B, bactericidal activity 6795
  Streptococcus viridans drug resistance, infection, man 7872.
  +streptomycin, prophylaxis, postoperative infection, thorax surgery, man 986.
  susceptibility, Brucella abortus isolates, infection, cattle 8803.
  treatment animals bites, wound infection Pasteurella multocida, man 6302.
  treatment, Brucella suis experimental infection, L form isolation, characterization, mice 7213.
  treatment, contagious caprine pleuropneumonia, Mycoplasma mycoides subsp.mycoides, goats 7280.
  treatment, endocarditis, Moraxella nonliquefaciens, prosthetics, man 7190.
  treatment, man, endocarditis, Streptococcus infection 10572.
  treatment, mastitis, cattle, Staphylococcus aureus 1067
  treatment, neurosyphilis, man, Denmark, surveys 4455.
  treatment, neurosyphilis, man, reviews 931.
  treatment, periodontal diseases, bacteria, reviews, man 6954

Penicillin, (continued)
  treatment, Streptococcus pneumoniae septicemia, steroids effects on, association, splenectomy, animal models 10615.
  treatment, syphilis, association, meningovascular syphilis, man 11860.
  treatment, syphilis, man 2148.
  treatment, syphilis, man 3431.
  treatment, syphilis, man 7087
  treatment, syphilis, man, case surveys 7082.
  treatment, tabes dorsalis, Treponema pallidum, clinical aspects, case reports, man 10430
Penicillin amidase,
  kinetics, mechanisms, mathematical models, Escherichia coli, Bacillus megaterium 4893.
  Pseudomonas mutants, biosynthesis 2782.
  Pseudomonas mutants, purification, characterization 2784.
  purification, characterization, Escherichia coli 9761.
Penicillin G,
  antibacterial activity, antibiotic resistance, penicillinase, Staphylococcus aureus 11444.
  antibiotic resistance, Pseudomonas aeruginosa pbpA gene mutants 6823.
  clinical isolates, Bacteroides fragilis, antibiotic sensitivity testing 11386.
  disc-diffusion test, identification, Pasturella multocida clinical isolates 3777.
  effects on Neisseria meningitidis morphology, growth 349.
  Neisseria gonorrhoeae, resistance, disc-diffusion test 8805.
  Streptococcus pneumoniae, antibacterial activity, in vitro 389.
  treatment, bacteria bronchitis, man 11747.
  treatment, pharyngitis, Streptococcus, children 10312.
  treatment, pharyngitis, Streptococcus group A, children 10336.
  treatment, pneumonia, children, institutions 5304.
  treatment, streptococcus pneumoniae, meningitis, rabbits 13209.
Penicillin N,
  antibacterial activity, Staphylococcus aureus, Micrococcus luteus, Salmonella typhimurium, Pseudomonas 11401.
  separation techniques, high-pressure liquid chromatography 11349.
Penicillin V,
  treatment, pharyngitis, Streptococcus group A, children 10336.
  treatment, pharyngitis, Streptococcus group A, man 761.
  treatment, Streptococcus, pharyngitis, tonsillitis, man 13122.
Penicillin V acylase,
  Pseudomonas acidovorans, purification, characterization 8568.
Penicillin-binding protein,
  association β-lactam antibiotics 5921.
  Bacillus subtilis, Bacillus stearothermophilus, purification, characterization, affinity chromatography 2777.
  bacteria, β-lactam antibiotics antibiotic resistance 5940.
  binding antibiotic HR756, antibacterial activity 9967.
  Caulobacter crescentus, characterization 5732.
  cefotaxime binding affinity 5916.
  ColE1 plasmids, Escherichia coli, mutants, gene mapping, restriction-modification, screening 2911.
  correlation β-lactam antibiotics production, Streptomyces 6600.
  cytoplasmic membranes, Rhodopseudomonas sphaeroides, assays 1471.
  effects on cephalosporins antibacterial activity, Escherichia coli, Salmonella typhimurium 4181.
  Escherichia coli, β-lactam antibiotics derivatives affinity 5920.
  Escherichia coli antibiotic resistance, moxalactam, membrane structure, effects on 6832.
  interaction, β-lactam antibiotics, Bacillus megaterium 11126.
  β-lactam antibiotics, competition, Neisseria gonorrhoeae 3025.
  multiple forms, localization, purification, characterization, cytoplasmic membranes, Clostridium perfringens 6603.
  penicillinase, role, antibiotic resistance, β-lactam antibiotics, Pseudomonas aeruginosa 5115.
  penicillinase, Streptomyces, role, antibiotic resistance, β-lactam antibiotics 3067.
  peptidoglycan synthetase isoenzymes, purification, characterization, Escherichia coli 8585
  peptidoglycans cross-linking activity, Escherichia coli 7625.
  precursors, Escherichia coli, cytoplasmic membranes 8540.
  Pseudomonas aeruginosa, role, carbenicillin resistance 9991.
  relationship, Staphylococcus aureus, peptidoglycans cross-linking 5802.
  Staphylococcus aureus, antibiotic resistance, methicillin, effects on 1461.
  Staphylococcus aureus, binding cephalosporins, antibiotic resistance 7820.
  Streptomyces rimosus, transpeptidase, plasma membranes 2583.
  N-terminus amino acid sequence, Escherichia coli 9700.
Penicillin-binding proteins,
  Pseudomonas aeruginosa, characterization, cystic fibrosis, man 382.
  Streptococcus group A, characterization 172.
Penicillinase,
  activity inhibitors, characterization 7577.
  antibacterial activity, cefmenoxime 346.
  antibiotic tolerance, β-lactam antibiotics, screening 12933.
  asparenomycins inhibition, mechanisms 7752.
  association penicillin antibiotic resistance, Staphylococcus 5954
  bacteria, β-lactam antibiotics resistance 11431.
  bacteria, biosynthesis, detection methodology 1515.
  bacteria, biosynthesis, inhibition, sulbactam, antibiotic synergism, mice 361.
  bacteria, detection methodology, iodometry 4864.
  Bacteroides, biosynthesis, sensitivity, β-lactam antibiotics 1709.
  Bacteroides, detection, methodology 4880.
  biodegradation, mezlocillin 12867
  biosynthesis, association, α-amylase genes, Escherichia coli, genes transfer, Bacillus subtilis 12645
  biosynthesis, association, α-amylase genes, Escherichia coli, genes transfer, Bacillus subtilis 12655
  biosynthesis, association, ampicillin resistance, Haemophilus influenzae type b, infection, man, meningitis 8816.
  biosynthesis, Bacillus cereus, role, membrane structure, temperature, effects on 4054
  biosynthesis, characterization, Bacteroides fragilis 12589.
  biosynthesis, clavulanic acid effects on, Branhamella catarrhalis 5758.
  biosynthesis, Enterobacteriaceae, antibacterial activity, moxalactam, cefotaxime, in vitro 360
  biosynthesis, Neisseria gonorrhoeae, antibiotic resistance, penicillins, plasmids characterization, Canada 276.
  biosynthesis, Neisseria gonorrhoeae isolation, man 13240.

Penicillinase, (continued)
  biosynthesis, Neisseria gonorrhoeae, plasmids characterization, disease spread, British Isles 12235.
  biosynthesis, Serratia marcescens, role, R factors 5889.
  cephalosporins inhibition, antibiotic resistance, Proteus, Enterobacter aerogenes, Enterobacter cloacae, Serratia marcescens 8814.
  characterization, gram-positive bacteria 12673.
  chemical modification, tyrosine residues, Bacillus cereus, Escherichia coli 7541.
  chromosomes, active sites, amino acid sequence, Pseudomonas aeruginosa, Escherichia coli 9744.
  Clostridium butyricum, characterization 12627.
  Clostridium butyricum, enzymatic activity 2761.
  effects on β-lactam antibiotics derivatives, stability 5920.
  Enterobacter cloacae, association cefamandole antibiotic resistance 12917.
  Enterobacteriaceae, antibiotic resistance ampicillin, R factors 12924.
  Enterobacteriaceae, inhibition, 6-bromopenicillanic acid, 6-iodopenicillanic acid 1713.
  Enterobacteriaceae, Neisseria gonorrhoeae, genes homology 6705.
  Enterobacteriaceae, Pseudomonas aeruginosa, biosynthesis, role antibiotic resistance, antibacterial activity, cephalosporins 5124.
  Escherichia coli, binding anthraquinone dyes 11133.
  Escherichia coli, Klebsiella, Salmonella, cefoperazone antibiotic resistance 7823.
  R factors, gram-negative bacteria, clinical isolates, incidence, hospitals, man, surveys 2952.
  N-formimidoyl thienamycin enzymes susceptibility 1717.
  genes, DNA nucleotide sequence, Escherichia coli, comparison Pseudomonas aeruginosa 5742.
  genes, gene expression, Saccharomyces cerevisiae 5865.
  genes, initiation sites, ribosomes binding sites, DNA nucleotide sequence, Staphylococcus aureus 4884.
  genes, nucleotide sequence, Bacillus licheniformis 4798.
  genes, transposon Tn2101, purification, characterization 6743.
  gonorrhea, man, Singapore, epidemiology 2169.
  gram-negative bacteria, β-lactam antibiotics stability 9955
  gram-negative bacteria, inactivation, ceftazidime, kinetics 5120.
  gram-negative bacteria, N-formimidoyl thienamycin stability 5114.
  gram-negative bacteria, N-formimidoyl thienamycin stability, antibacterial activity, comparison cephalosporins 12906.
  gram-negative bacteria, periplasmic space, membrane permeability, β-lactam antibiotics antibiotic resistance 10015
  Haemophilus influenzae, detection, meningitis, neonates, man 886
  Haemophilus influenzae, detection, use, indirect fluorescent antibody test 1518.
  Haemophilus influenzae, Neisseria gonorrhoeae, detection, use, pyridinium-2-azo-p-dimethylaniline chromophore 8268.
  Haemophilus influenzae, role, susceptibility, antibiotic sensitivity testing, chloramphenicol, β-lactam antibiotics 3009.
  inactivation, β-lactam antibiotics, antibacterial activity, gram-negative bacteria, screening 3017.
  inactivation, ceftazidime, cephalosporins, role antibiotic resistance 5121.
  inhibition, antibiotic HR756, antibacterial activity 9967.
  inhibition, clavulanic acid, Klebsiella pneumoniae, Proteus mirabilis, Enterobacter cloacae 11166.
  inhibition dotriacolide, Micromonospora echinospora biosynthesis 7635.
  inhibition, fatty acids, Bacillus, high-performance liquid chromatography, screening 2796.
  inhibition, olivanic acid derivatives, plasmids, Escherichia coli 7554.
  inhibitors, antibacterial activity, β-lactam antibiotics 7819.
  inhibitors, antibiotic resistance, infection, treatment, man, bacteria 7137.
  inhibitors, antibiotic synergism, cefoperazone 345.
  inhibitors, isolation, Streptomyces sulfonofaciens sp.nov. 11190.
  inhibitors, Streptomyces sulfonofaciens sp.nov. production, characterization 7722.
  interaction β-lactam antibiotics, effects on bonding 12584.
  interaction, β-lactam antibiotics, gram-negative bacteria 9913.
  interference, Neisseria gonorrhoeae identification, fluorescent antibody test 11531.
  6β-iodopenicillanic acid, inhibition, effects on, β-lactam antibiotics, antibacterial activity 3046.
  isoenzymes, Pseudomonas aeruginosa, electrophoresis, characterization, antibiotic resistance, carbenicillin 1723.
  isolation, characterization, membranes association, Bacillus licheniformis 1536
  isolation, Clostridium butyricum 1546.
  kinetics, Bacillus cereus 1535.
  kinetics, gelatin effects on, Bacillus cereus 7599
  β-lactam antibiotics antibiotic resistance, bacteria 5941
  β-lactam antibiotics hydrolysis, detection methodology, use, Escherichia coli 2788.
  measurements, use diagnosis bacteria infection, man 10489.
  membranes, lipoproteins, fragments, lipoproteins, Bacillus licheniformis 1551.
  Neisseria gonorrhoeae, antibacterial activity, cephalosporins, chloramphenicol, erythromycin, spectinomycin 5050.
  Neisseria gonorrhoeae, biosynthesis, disseminated infection, man, case reports 2144.
  Neisseria gonorrhoeae, biosynthesis, isolation, Saudia Arabia 2785.
  Neisseria gonorrhoeae, clinical isolates, antibiotic resistance 1725.
  Neisseria gonorrhoeae clinical isolates, role antibiotic resistance, penicillin 7828.
  Neisseria gonorrhoeae, infection, surveys, man, USA 2162
  Neisseria gonorrhoeae, inhibition, clavulanic acid+amoxycillin, antibacterial activity 4173.
  Neisseria gonorrhoeae, production, gonorrhea, pharynx, treatment, man 8029.
  Neisseria gonorrhoeae, production, gonorrhea, surveys, man, France 13243.
  Neisseria gonorrhoeae productivity, association urethritis man, ampicillin treatment 6245
  Neisseria gonorrhoeae, serotyping, antibiotic sensitivity testing, agar dilution test 3058
  penicillin antibiotic resistance Neisseria gonorrhoeae, biosynthesis 1754.
  penicillin-binding protein, role, antibiotic resistance, β-lactam antibiotics, Pseudomonas aeruginosa 5115.
  plasmid pJB1, Haemophilus ducreyi, characterization, comparison, Haemophilus parainfluenzae, Neisseria gonorrhoeae 2946
  plasmid pMP78-1, Saccharomyces cerevisiae, characterization, production 5819.
  plasmid RPL11, Pseudomonas transfer Enterobacteriaceae 6756.
  plasmids, Neisseria gonorrhoeae, transfer, Haemophilus influenzae, Escherichia coli, transient survival 2912.

Penicillinase, (continued)
  plasmids, restriction endonuclease mapping, Neisseria gonorrhoeae 12836.
  positive Neisseria gonorrhoeae, incidence, Canada 5364.
  production, Bacteroides, ± penicillinase inhibitors, effects on 9994.
  production, detection, assays 11392.
  production, Neisseria gonorrhoeae, epidemiology, serotyping, auxotrophy typing, man, Sweden 33.
  production, Neisseria gonorrhoeae, isolation, antibiotic resistance, penicillin 11442.
  production, Neisseria gonorrhoeae, urethritis clinical isolates, man, Zambia 9192.
  production, Proteus morganii, experimental infection, association, treatment, β-lactam antibiotics, animal models 7150.
  production, Staphylococcus aureus, animal isolates dogs 5772.
  Proteus morganii, purification, characterization 2773.
  Proteus vulgaris, Pseudomonas cepacia, hydrolysis, cefuroxime, cefotaxime, immunological aspects 1514.
  Pseudomonas aeruginosa, β-lactam antibiotics antibiotic resistance 11425.
  Pseudomonas aeruginosa, inactivation, cephalosporins, antibiotic resistance, antibacterial activity 5123.
  Pseudomonas aeruginosa, isolation, characterization 12637.
  Pseudomonas aeruginosa, purification, characterization, antibiotic resistance, β-lactam antibiotics 3055.
  purification, characterization, Actinomadura 4915.
  purification, characterization, Citrobacter freundii 1487.
  purification, characterization, Proteus vulgaris 9763.
  purification, characterization, Pseudomonas maltophilia 12588.
  purification, characterization, Salmonella wien 3991.
  reaction, isoxazolyl penicillins, Staphylococcus aureus 7817.
  role, antibiotic resistance, β-lactam antibiotics, Enterobacter cloacae, Enterobacter aerogenes 7835.
  role, antibiotic resistance, ampicillin, plasmids, transfer, Haemophilus parainfluenzae 7839.
  role antibiotic resistance, ceftazidime, antibacterial activity comparison β-lactam antibiotics 5067.
  Salmonella heidelberg, plasmids, nosocomial infection outbreaks, epidemiology, man 10594.
  Serratia marcescens, purification, chracterization 5756.
  stability, antibacterial activity, cefmenoxime 9961
  stability, antibacterial activity, cefotaxime, desacetyl-cefotaxime, antibiotic synergism 9969.
  stability, cefotaxime, antibacterial activity, Enterobacteriaceae 11410.
  stability, cephalosporins, moxalactam, antibacterial activity 7782.
  stability, temocillin, antibacterial activity 9954.
  Staphylococcus, β-lactam antibiotics inhibition 11400.
  Staphylococcus aureus, activity, mechanisms 4013.
  Staphylococcus aureus, antibiotic resistance, penicillins 11444.
  Staphylococcus aureus, Bacteroides fragilis, effects on, thienamycin derivatives, stability 5061.
  Streptomyces cacaoi, Bacillus cereus, enzyme kinetics, inhibitors, antibiotic CP-45,899, cephamycins, izumenolide 2795.
  Streptomyces cacaoi, Bacillus cereus, inhibition, clavulanic acid, antibiotic PS-5, enzyme kinetics 2780.
  Streptomyces, penicillin-binding protein, role, antibiotic resistance, β-lactam antibiotics 3067.
  synthesis, guanosine 5'-diphospate 3'-diphosphate inhibition, DNA, plasmid BR322 6749.
Penicillins+levamisole+sodium nucleinate,
  treatment, syphilis, man 9193.
Penicillins,
  antibacterial activity, staphylococcus aureus, Salmonella typhimurium, Micrococcus luteus, Pseudomonas 7788.
  antibacterial activity, Staphylococcus resistance, man 11405.
  antibiotic antagonism, cephalosporins, antibacterial activity, Enterobacteriaceae, Pseudomonadaceae 6824.
  antibiotic resistance, Lactobacillus, autolysis enzymes role 6826.
  antibiotic resistance, Neisseria gonorrhoeae, penicillinase biosynthesis, plasmids characterization, Canada 276.
  antibiotic resistance, penicillinase, Staphylococcus aureus 11444.
  antibiotic sensitivity testing, Escherichia coli, Klebsiella, Citrobacter, Proteus, clinical isolates 4175.
  antibiotic sensitivity testing, Neisseria meningitidis 325.
  antibiotic synergism, streptomycins, endocarditis, Streptococcus faecalis, experimental infection, rabbits 8098.
  antimicrobial activity, clinical aspects, reviews 7793.
  characterization, medical importance 8771.
  comparison, cefoperazone, treatment, meningitis, animal models 11847.
  effects on Escherichia coli growth 1714.
  leukocytes (polymorphonuclear), transport, antibacterial activity, infection, Haemophilus influenzae 6792.
  +liposomes, antibacterial activity, Staphylococcus aureus, Bacillus licheniformis, Escherichia coli 5925.
  ± moxalactam, antibacterial activity, Haemophilus influenzae, Streptococcus pneumoniae, Neisseria meningitidis 5922.
  resistance, population studies, Escherichia coli, Enterobacter cloacae 12926.
  Streptomyces clavuligerus, δ-(L-α-aminoadipyl)-L-cysteinyl-D-valine conversion 11356.
  Streptomyces clavuligerus, production, relationship, δ-(L-α-aminoadipyl)-L-cysteinyl-D-valine cyclization 7748.
  structure, N.M.R. 7716.
  synergism immune system, defense mechanisms, man 13029.
  technology, antibacterial activity 12886.
  +tobramycin, treatment, Pseudomonas aeruginosa, respiratory tract infection, cystic fibrosis, man 11712.
  treatment, bacteria β-lactamase inhibition, antibacterial activity 12605.
  treatment, endocarditis, Streptococcus faecalis, experimental infection, rabbits 8097.
  treatment, Haemophilus influenzae, Streptococcus pneumoniae, bronchitis, man 13119.
  treatment, otitis media, man 10337.
  treatment, Pseudomonas aeruginosa infection, man 11940.
Penicillium,
  synergisidin biosynthesis 1797.
Penicillium cyclopium,
  thidiazuron biodegradation 9612.

Penicillium notatum,
- phosphate, leaching, characterization 12367
- phospholipase B activity, role carbohydrates side chains 3973

Penis,
- abscesses, association, gonorrhea, treatment, man 2147
- granuloma inguinale, treatment, cotrimoxazole, man, case reports 2105
- lymphangitis, association, Chlamydia trachomatis urethritis, man 851
- Pseudomonas aeruginosa infection, treatment, animal breeding, horses 10676
- tuberculosis, man, case reports 6214.

Pentachlorophenol,
- biodegradation, Pseudomonas, temperature effects on 8436
- drug resistance, gram-negative bacteria, characterization, degradation 5145.
- effects on nitrogen fixation, Azotobacter vinelandii 6418.
- marine environment, sand, effects on microorganisms 10803
- Pseudomonas fluorescens, toxicity testing 10870

Pentane,
- production, rats respiration gases, role intestinal microflora 13364.

Pentoses,
- Aerobacter, Klebsiella, catabolism, pathways, regulation 9798
- +hexoses, fermentation, ethanol, L-butanol, biosynthesis, Saccharomyces cerevisiae, Clostridium acetobutylicum 11010.

People's Republic of China,
- tinea capitis, leprosy, Mycobacterium leprae, prophylaxis, man 13245.

Pepsin,
- immunoglobulin G, antibiotics, treatment, septicemia, pneumonia, man 1016.

Peptidase,
- Escherichia coli, genes isolation, overproduction 1533.
- localization, cell walls, plasma membranes, Streptococcus cremoris 5786.
- Salmonella typhimurium, deficient mutant, proteins degradation 260.
- signal peptides, genes, genetic engineering, Escherichia coli 8660.

Peptide antibiotics,
- antibiotic synergism, macrolide antibiotics, antibacterial activity, Pseudomonas aeruginosa, in vitro, in vivo 7800
- binding, Bacillus subtilis spores, role, antibacterial activity 5932.
- effects on, Bacillus subtilis, spore germination, macromolecules biosynthesis, morphology 6487.
- Pseudomonas aeruginosa, antibacterial activity, cystic fibrosis, man, in vitro 1703
- Staphylococcus aureus, antibiotic resistance 400

Peptide hydrolase,
- purification, characterization, reviews, Streptococcus group N 5790.

Peptide mapping,
- Bacillus subtilis RNA polymerase, regulation subunits 12624
- flagella proteins genes, gene expression, Caulobacter crescentus 12751
- flagellin, multiple forms, Caulobacter crescentus 8517.
- flagellin, multiple forms comparison, Caulobacter crescentus 8537.
- membrane proteins, purification, Neisseria gonorrhoeae 4841
- protein I, protein III, Neisseria gonorrhoeae, antigenic determinants 9698
- protein III, structure, Neisseria gonorrhoeae 8550.
- pyruvate carboxylase subunits, Pseudomonas citronellolis 4042

Peptides,
- alkaline phosphatase, alkaline phosphatase, amino acid sequence, role, secretion, Escherichia coli 2814
- antibacterial activity, composition, serum, rabbits 1789.
- antibacterial activity, isolation, serum, rabbits 1792.
- association, tyrosine, phenylalanine, effects on, potassium, hydrogen, efflux, Pseudomonas aeruginosa 12320
- bacteriorhodopsin, conformational analysis, C.D., N.M.R. 11024.
- Escherichia coli enterotoxins, staining 466
- Escherichia coli, methionine metabolism, nutrient availability, effects on 2726.
- Escherichia coli, methionine metabolism, nutrient availability, effects on 2727
- inhibition, thermolysin, Bacillus thermoproteolyticus 12579
- Salmonella typhimurium auxotrophy 116.
- serum, rabbits, antibacterial activity, effects on electron transport, Bacillus subtilis 1780
- Staphylococcus aureus, transport 1347
- Staphylococcus epidermidis, antibacterial activity, factors affecting 11412
- substrate specificity, Legionella proteinase 11211
- toxins, diphtheria, immunization, adjuvanticity 11641
- transport, fluorescamine, Streptococcus faecalis 5633.

Peptidoglycan synthetase,
- isoenzymes, penicillin-binding protein, purification, characterization, Escherichia coli 8585

Peptidoglycan transpeptidase,
- Escherichia coli, Bacillus megaterium, inhibition, β-lactam antibiotics 322

Peptidoglycans,
- antibodies, serum levels, Staphylococcus aureus, infection, man 1880.
- Bacillus subtilis, Staphylococcus aureus, mitogenicity, lymphocytes 6922
- Bacillus subtilis temperature-sensitive mutant biosynthesis 1615
- biosynthesis, cell walls, plasma membranes, freeze-thawing, Aerococcus viridans 6675
- biosynthesis, Escherichia coli, temperature effects on 12701
- biosynthesis, morphology, Streptococcus mutans, penicillin, effects on 4179
- biosynthesis, Neisseria gonorrhoeae, susceptibility, proteinase, β-lactam antibiotics, effects on 1565
- biosynthesis, Streptomyces griseus, association streptomycin biosynthesis, D-glucosamine interaction 8745
- cadaverina complex, biosynthesis, Selenomonas ruminantium 11225.
- cell surface, Mycobacterium phlei, Mycobacterium smegmatis, Mycobacterium microti, characterization 2828.
- cell walls, analysis, I.R. spectroscopy, bacteria 10960
- cell walls, bacteria, carbohydrate analysis 12706.
- cell walls, bacteria, N-acetyl glucosamine, chemical analysis 12705
- cell walls, precursors, 2-acetamido-2-deoxy-D-glucose, Streptococcus mutans, characterization 6666.
- chemical analysis, Corynebacterium pyogenes, Corynebacterium haemolyticum, use, classification 9544.
- cross-linking, amino acid analysis, cell walls, bacteria 7403
- cross-linking, penicillin-binding protein, Escherichia coli 7625.
- digestion, N-acetylglucosaminyl-N-acetylmuramyl-dipeptide isolation, Proteus mirabilis 2826.
- Escherichia coli, association, cell envelopes lipoproteins transport 8515.
- Escherichia coli, biosynthesis inhibition, lipopeptin A 4957.
- Escherichia coli, biosynthesis, mechanisms 12704.
- fragments, characterization, Neisseria gonorrhoeae, benzylpenicillin, effects on 1462.

Peptidoglycans, (continued)
- Fusobacterium nucleatum, primary structure 1567.
- +mycolic acid, Mycobacterium tuberculosis, hypersensitivity (delayed), inflammation, granuloma, lung, rabbits 4281.
- Neisseria gonorrhoeae, effects on complement, serum, man 5799.
- Neisseria gonorrhoeae, role β-lactam antibiotics antibiotic resistance 8810.
- Pasteurella multocida, structure 4947.
- precursors, fractionation, bacteria, high-pressure liquid chromatography 8516.
- Proteus mirabilis, biosynthesis, association, cell division 4078.
- Pseudomonas aeruginosa, membrane permeability, association, β-lactam antibiotics 398.
- Rhodopseudomonas viridis, structure 5796
- Staphylococcus, I.R. radiation spectroscopy 12296.
- Staphylococcus aureus, biosynthesis, association, methicillin antibiotic resistance 5917.
- Staphylococcus aureus, cross-linking, relationship, penicillin-binding protein 5802.
- Staphylococcus aureus, infection, antibody response, immunoglobulin G, man 3199.
- Staphylococcus aureus, leukocytes (polymorphonuclear), immunosuppression, phagocytosis, chemotaxis 6089.
- Staphylococcus, cell walls, spatial distribution 8631.

Peptidolipids,
- Mycobacterium paraffinicum, characterization 4084.

Peptidyltransferase,
- Escherichia coli, ribosomes, binding sites, tRNA 3'-terminus 9688.
- inhibition, 2'(3')-O-(N-benzyloxycarbonylcycloleucyl) adenosine, (3'-5')2'(3')-O-(α-aminoisobutyryl)adenosine, Escherichia coli 9677.

Peptococcaceae,
- antibiotic resistance, β-lactam antibiotics 11439.

Peptococcus,
- antibacterial activity, niridazole, comparison, metronidazole 10040.
- association, otitis media, man 2004.
- cervical microflora, children 9070.
- clinical isolates, antibacterial activity, ceftazidime 5078.
- growth, recovery, media (culture) effects on 3769.
- isolation, abscesses, pigs 8094
- oral infection, man, antibiotics treatment 10305.
- otitis media, detection, localization, man 1998
- pelvic inflammatory disease, treatment, man 13188.
- respiratory tract infection, clinical aspects, man 11707.

Peptococcus indolicus,
- role, etiology, mastitis, cattle 3635.

Peptococcus prevotii,
- antibacterial activity, Streptomyces cervinus sp.nov. cervinomycin A 11346.

Peptococcus productus,
- Crohn's disease, antibody response, man 9007.

Peptococcus saccharolyticus,
- Micrococcus mucilaginosus, Staphylococcus, rRNA 16S, nucleotide sequence, taxonomic revision 2564.
- strains, growth, stimulation, iron, hematin, blood, colonial characteristics 9614.

Peptone,
- liquid culture, blood culture, comparison, slides, isolation clinical isolates 4669

Peptostreptococcus,
- antibody agglutination, serum, diagnosis, Crohn's disease, man 8916.
- association, otitis media, man 2004
- cervical microflora, children 9070.
- clinical isolates, antibacterial activity, ceftazidime 5078.
- endocarditis, association, heart catheterization, treatment, clinical aspects, man, case reports 2266.
- etiology, Crohn's disease, man 9132.
- growth, recovery, media (culture) effects on 3769.
- hydrolases, clinical isolates 1543.
- induction, antibody response, agglutinins, mice, rats 11618.
- infection, man, antibiotics treatment, reviews 9265.
- isolation, abscesses, pigs 8094
- oral infection, man, antibiotics treatment 10305.
- pelvic inflammatory disease, treatment, man 13188.

Peptostreptococcus anaerobius,
- leucine fermentation, association, isovaleric acid, isocaproic acid 9726.
- metabolism, growth conditions, effects on antibacterial activity, hydrogen peroxide 6843.

Peptostreptococcus productus,
- serum agglutinins induction, infection, rats, mice 10223.

Perca fluviatilis,
- gram-negative bacteria infection, lakes, France 5468.

Pericarditis,
- association, meningitis, Neisseria meningitidis, man, case reports 894.
- association, Staphylococcus aureus osteomyelitis, false aneurysm, man, case reports 7143.
- bacteria, diagnosis, clinical aspects, infants, man 8065.
- Campylobacter fetus subsp.intestinalis, association, hypothyroidism, man, case reports 5367.
- diagnosis, gallium-67, man 959.
- diagnosis, gallium-67, Mycobacterium tuberculosis, man 962.
- Neisseria meningitidis, infants, man, case reports 9288.
- side effects, tetanus immunization, man 10245.
- Staphylococcus, aneurysm man, 13335.
- Staphylococcus aureus, treatment, drainage systems, man 1027.
- Streptococcus group C, man, case reports 11910.

Pericardium,
- effusion, association, tuberculosis, treatment, prednisolone, antitubercular agents, man, case reports 2292.
- effusion, Mycoplasma hominis, neonates, man, case reports 7099.
- effusion, role, Legionella pneumophila, Legionnaire's disease, man 10309.

Peridontal diseases,
- bacteria, pathology, jaw, animal models, man 11695.

Perihepatitis,
- Chlamydia trachomatis, complement fixation, immunofluorescence, laparoscopy, case reports, man 12013.

Perinatal infection,
- Clostridium perfringens, man 2314.
- Ureaplasma urealyticum, relationship, mortality, man 5373.

Periodontal disease,
- transferrin, α-1-antitrypsin, levels, gingival fluid, blood, man 5283.

Periodontal diseases,
- Actinobacillus actinomycetemcomitans, antibodies, serum levels, juveniles, adolescents 6915
- antibiotics treatment, man, reviews 5281.
- association, Actinobacillus actinomycetemcomitans endocarditis, children, case reports 5366.
- association dental manipulation 9081.
- bacteria, antibiotics, treatment, reviews, man 6954.
- bacteria, association, urticaria, man, case reports 9083.
- bacteria, epidemiology, Sweden, adolescence 11693.
- bacteria, pathology measuring techniques, man 13097.
- bacteria, treatment, man, case reports 4371.
- bacteria, treatment, man, case reports 4372.
- Bacteroides melaninogenicus, Capnocytophaga, Bacteroides asaccharolyticus, inactivation, immunoglobulin A, virulence, characterization 6043.
- collagenase, localization, man, gingiva 703.
- epidemiology, man, India 735.
- experimental infection, Bacteroides, histology, animal models, man 13099
- gram-negative bacilli, diagnosis, children 13105.
- gram-negative bacteria clinical isolates, induction, lymphocytes B activation 6101.
- immunoglobulin G antibody response, man 6917.
- man, bacteria, dental caries, association 4373
- man, Bacteroides fragilis, Bacteroides melaninogenicus, distribution, fluorescence microscopy 6955.
- man, epithelium keratinocytes, bacteria extracts effects on 11683.
- oral hygiene effects on, man 706.
- prophylaxis, man 3304.
- prophylaxis, use, hydrogen peroxide, inactivation, endotoxins, bacteria, man 4238
- role mast cells, histamine release, induction, bacteria lipopolysaccharides, rats 7927
- Streptococcus mutans, Streptococcus sanguis, association tobacco, in vitro effects on 7857.
- treatment, association, gingivitis, man 6951.
- Veillonella alcalescens, immunity (cell-mediated), role, lymphocytes T, man 1872.

Periodontitis,
- Actinobacillus actinomycetemcomitans antibodies levels, man 598.
- Actinobacillus actinomycetemcomitans incidence, juveniles, man 6155.
- Actinomyces viscosus, lymphocytes T suppression, cyclosporin A effects on, rats 6103.
- association, oral microflora, Bacteroides asaccharolyticus, Bacteroides melaninogenicus, man 1964.
- Bacillus melaninogenicus, Capnocytophaga, Campylobacter, isolation 2364.
- bacteria, epidemiology, Sweden, adolescence 11693.
- bacteria experimental infection, association, indomethacin effects on alveolar bone, animal models, man 13116.
- bacteria, immunopathogenesis, diploidy antigens role, man 11551.
- bacteria, treatment, antibacterial activity, stannous fluoride, man 1955.
- children, occurrence bacteria, periodontium, effects on leukocytes (polymorphonuclear) 6154.
- clinical isolates, tetracycline antibacterial activity, man 5097.
- gingivitis, treatment, Suanatem, efficacy, animal models 4591.
- immune response (humoral), bacteria, enzyme-linked immunosorbent assay, immunoglobulin A, immunoglobulin G, man 10178.
- immune response, macrophages activation, man 5244.
- immune response, man, reviews 5220.
- incidence, association, age, oral cavity localization, man 3290.
- incidence, juveniles, man, USA, Kentucky 13111.
- leukocytes (polymorphonuclear), chemotaxis, defects, genetic relationship 3291
- ligature replacement, metronidazole effects on, animal models 6159.
- man, reviews 5280.
- oral microflora inhibition Actinobacillus actinomycetemcomitans, man 9084.
- prostaglandin E_2, cyclic AMP, levels, epinephrine effects on, man 716.
- relationship α1-antitrypsin serum levels, adolescence 11694
- role, Actinobacillus actinomycetemcomitans toxins, toxicity, leukocytes (polymorphonuclear), man 5171.
- Staphylococcus, chlorhexidine gluconate treatment, man 11690.
- treatment, man 1949.
- treatment, man 6157.

Periodontium,
- occurrence bacteria, effects on leukocytes (polymorphonuclear), children periodontitis 6154.

Periplasmic space,
- Alteromonas, aminopeptidase, purification, characterization 4885.
- gram-negative bacteria, membrane permeability, penicillinase, β-lactam antibiotics antibiotic resistance 10015.
- localization, Myxococcus xanthus hemagglutinins, association, developmental stages 5194.
- proteins, Escherichia coli, gene localization, association, chromosomes replication termination 12793.
- Pseudomonas aeruginosa, 6-O-acetylglutamate deacetylase, localization, purification, characterization 2766.
- Rhizobium lupini bacteroids, proteins 12315

Peristent infection,
- Chlamydia psittaci, McCoy cells, in vitro 1285

Peritoneal diseases,
- bacteria, diagnosis, clinical aspects, man 10611

Peritoneal exudate cells,
- antitumor activity, immunoregulation, Corynebacterium parvum treatment effects on, gnotobiotics (germfree), mice 9005
- mice, Corynebacterium parvum, transfer, antitumor activity 9030

Peritoneum,
- dialysis, association, Mycobacterium chelonei like bacteria peritonitis, man 3482.
- dialysis, association, Staphylococcus aureus peritonitis, man 7132.

Peritonitis,
- Acinetobacter calcoaceticus var.anitratus, nosocomial infection, dialysis, man, case reports 7124
- Alternaria alternata, diagnosis, treatment, man, case reports 4481.
- association, bacteremia, Vibrio metschnikovii, cholecystitis, man, case reports 3485.
- association, dialysis, Vibrio alginolyticus, Vibrio parahaemolyticus relationship, case reports, man 10583
- association, elimination, Staphylococcus aureus, Pseudomonas aeruginosa, relationship, lung tumors, mice 3538

Peritonitis, (continued)
- association, liver cirrhosis, man, Escherichia coli 944.
- bacteria, association, hemodialysis, man, case reports 3458.
- bacteria, diagnosis, clinical aspects, man, reviews 7196.
- bacteria, diagnosis, dialysis, case reports, man 9280.
- bacteria, role, circulatory system shock, man 3441.
- bacteria, surgery treatment, man, case reports 10563.
- bacteria, toxins isolation, experimental infection, dogs 1821.
- bacteria, treatment, cefazolin, ceftizoxime, man, clinical trials 2321.
- bacteria, treatment, high-dose tobramycin, ± clindamycin, ± lincomycin, man 3465.
- Bordetella bronchiseptica, opportunistic infection, treatment, chloramphenicol, man, case reports 2296.
- characterization, bacteria, immunocompromised hosts, man 10173.
- Clostridium, spleen necrosis, association, pneumoperitoneum, dogs, case reports 2354.
- diagnosis, lactate, levels, ascites cells, man 13312.
- diagnosis, prophylaxis, treatment, man 7193.
- Escherichia coli, malnutrition, feeding regimes effects on, rats 1107.
- man, association Neisseria meningitidis, case reports 7994.
- man, association, systemic lupus erythematosus, case reports 10497.
- man, Mycobacterium chelonei, clinical isolates, formaldehyde, effects on 7142.
- Mycobacterium chelonei like bacteria, association, peritoneum dialysis, man 3482.
- noxytioline treatment, rats 13331.
- pathogenesis, man, reviews 10612.
- postoperative, diagnosis, man 9306.
- postoperative infection, man, case reports 12014.
- postoperative infection, treatment, man 5423.
- postoperative infection, treatment, man 5428.
- Staphylococcus aureus, association, peritoneum dialysis, man 7132.
- Streptococcus group B, association, pregnancy, man, case reports 5384.
- surgery, irrigation, abdomen, man 10543.
- toxemia, metabolic disorders, man 13289.
- treatment, antibiotic 6059-S, man 2317.
- treatment, blood transfusion, man 9202.
- treatment, ceftriaxone, man 8051.
- treatment, lymph drainage, thoracic duct, man, effects on 3438.
- treatment, man 2321.
- treatment, tobramycin+clindamycin, cephalothin+cephalexin, children 5404.
- Yersinia enterocolitica, association, cirrhosis, man 2222.

Permeability,
- cell membranes, role magnesium, Halobacterium halobium 7400.
- cell walls proteins, Bacillus subtilis, Streptococcus pneumoniae, deficient mutant, autolysis, effects on 1377.
- mesentery, rats, endotoxins effects on 477.
- outer membranes, association, mtr loci, Neisseria gonorrhoeae, isolates, homosexuality, man 8378.
- vascular system, dogs, Escherichia coli endotoxins, hemorrhage, effects on 11500.

Permeabilized,
- cells, Escherichia coli, ultrastructure, characterization 9598.

Peromyscus leucopus,
- isolation, incidence, Rickettsia rickettsii, USA, Connecticut 1004.

Peroxidase,
- activity, Propionibacterium, strains, respiration 12666.
- antibacterial activity, Bacillus cereus 5137.
- antibacterial activity, Streptococcus mutans, immunological enhancement, role, immunoglobulin A, mice 8982.
- antigens, cross-reactivity, Mycobacterium smegmatis, Mycobacterium leprae 3172.
- catalase mediation, antibacterial activity, Mycobacterium tuberculosis 1782.
- effects on hydrogen peroxide antibacterial activity, Escherichia coli, Streptococcus 11206.
- leukocytes (eosinophilic), Staphylococcus aureus cell surface, effects on phagocytosis, rabbits 5209.
- Nicotiana hybrids, tumors development, tumor promoting agents effects on 8153.
- tumors development, o-diphenols, infection, tumor promoting agents 8154.

Persicum,
- susceptibility, spot, Xanthomonas pruni 6399.

Persistent infection,
- bacteriuria, ureter, Escherichia coli, Proteus mirabilis, antibody-coated bacteria, immune response, man, case reports 3378.
- Campylobacter fetus, subsp.jejuni, man, case reports 2045.
- Chlamydia trachomatis, fibroblasts, mice, factors affecting 21.
- fibroblasts, effects on, Chlamydia psittaci adherence, replication, mice 23.
- leprosy, chemotherapy, man, reviews 1941.
- Mycoplasma-like organisms, Malus pumila proliferation, Pyrus communis decline 12098.
- pneumonia, etiology, man 2017.

Personnel,
- food industry, isolation, Staphylococcus aureus, enterotoxins, carriers, nasopharynx 11516.
- hospitals, Acinetobacter, Klebsiella, Enterobacter, nosocomial infection, man 3515.
- hospitals, nosocomial infection, control programs 10574.
- nosocomial environments, disease control, infectious diseases, man 11926.
- nosocomial environments, syringes injuries, man 11927.

Pertussis,
- adults, Sweden 4391.
- association, pregnancy, man 802
- Bordetella pertussis, etiology, man 4493.
- Bordetella pertussis, incidence, man, British Isles 6979
- Bordetella pertussis, treatment, antibiotic 6059-S, man 2020.
- Bordetella pertussis, treatment, erythromycin, co-trimoxazole, children, man 4385.
- Bordetella pertussis, vaccination, immunization (passive), man 613.
- children, British Isles 790.
- children, vaccines characterization 9026.
- epidemiology, man, British Isles 10476.
- immunodiagnosis, children 11705.
- man, case surveys 9126.
- mice, characterization 8101.
- prophylaxis, epidemiology, prognosis, man 1977.
- prophylaxis, vaccination, man 9045.
- symptoms, children, case reports 2000.
- treatment, infants, man 6990
- vaccination, children 6132.
- vaccination, efficacy, man 2010

Pertussis, (continued)
vaccination, immune response, children 7957
vaccination, man 13058
vaccination, oral administration, man 13057
vaccination, polymyxin B effects on toxicity 3256
vaccines, antigenicity, screening, children 5250
vaccines, dose-response effects, bioassays, computer applications 4338.
vaccines, lymphocytosis, sphenomegaly, gnotobiotics, mice 9031
Peru,
ecological distribution, marine environment, incidence, Vibrio parahaemolyticus 12171.
Pseudomonas solanacearum, wilt, Solanum tuberosum 10737
Pseudomonas solanacearum, wilt, Solanum tuberosum, isolation, incidence 9420
Pest control,
disease resistance, pathogens, microorganisms, Insecta 9379
infestation, livestock, Boophilus microplus, Australia 4549
Pesticide applications,
2,4-D, effects on soil microorganisms biodegradation 8199
Pesticide residues,
soil, models, biodegradation, bacteria 4756
Pesticides,
biodegradation, books, conferences 12198
biodegradation, microorganisms, measuring techniques 7439
effects on, bacteria, biodegradation, soil 8185
pentachlorophenol, effects on nitrogen fixation, Azotobacter vinelandii 6418
pollution effects, soil microorganisms, bacteria, fungi 1209.
seed treatments, effects on, Rhizobium japonicum, Glycine max 8162
Pesudomonas aeruginosa,
chromonychia, nails pathology, man, case reports 2262.
Petroleum,
biodegradation, Pseudomonas, plasmids, marine pollution 12832.
Peyer's patches,
epithelium, receptors, Vibrio cholerae enterotoxins, guinea-pigs 12979
Pfeifferella anatipestifer,
classification 24
serotypes, ducks, USA 4703
pH,
assays, chromatophores, Rhodospirillum rubrum 3825
association, bacteria, incidence, lactic acid utilization 10985
association, continuous culture, Clostridium acetobutylicum, acetone butanol biosynthesis 11250.
Bacillus acidocaldarius growth conditions, media (culture) 12460
blood, Anaplasma marginale infection effects on, cattle 13391
carbon sources, effects on, Coxiella burnetii, energy charge, ATP biosynthesis 2670
Clostridium acetobutylicum, effects on, acetone, butanol, biosynthesis 8645
dental plaque, glycosylsucrose effects on, man 4369
dental plaque, measurement, man 702.
dental plaque, saliva effects on, dental caries resistance, man 726
dental plaque, sugar food feeding regimes effects on, man 1963
effects on antibacterial activity, cinoxacin treatment urinary tract infection 5966
effects on antibacterial activity, gentamicin, N-formimidoyl thienamycin 323
effects on, antibacterial activity, toluidine blue O, Escherichia coli 10051
effects on bacteria growth, association, biodegradation, methanol, phenol 7867
effects on, bactericidal activity, leukocytes (neutrophilic), diabetes mellitus, man 1907
effects on bronopol stability, activity 5126
effects on deoxyribonuclease, Bacillus laterosporus 11185
effects on enterotoxins tertiary structure, U.V. spectroscopy, Clostridium perfringen 5045
effects on, gram-negative bacteria egg shells isolates, survival 5125
effects on, growth, Edwardsiella tarda, marine environment 12173
effects on, iron, oxidation, Thiobacillus ferrooxidans 12444
effects on lactose transport kinetics, role lactose permease, Escherichia coli 3813
effects on light induction protons binding purple membranes, Halobacterium halobium 3881.
effects on, phage ϵ^{15} adsorption, cell surface, Salmonella anatum 7681
effects on, Streptococcus bovis, continuous culture, pigments, production 11033
effects on, Streptococcus mutans, antibacterial activity, iodine, sodium fluoride 7843
effects on, Thermoplasma acidophilum, plasma membranes 3811
effects on, Verticillium dahliae, sclerotia, morphology, colonization, soil microorganisms 3728.
effects on, Vibrio alginolyticus, membrane potential 5618
Escherichia coli, fluorescent probes 12458.
Escherichia coli, intracellular levels, homeostasis, measurement, N.M.R. 2650
gradients, Escherichia coli, potassium transport effects on 57
gradients, protonmotive force, membrane potential, Thiobacillus acidophilus 6511
hemolymph, Bacillus thuringiensis effects on, pathogenicity, Achoea janata, Spodoptera litura 9384.
intracellular levels, Methanospirillum hungatei, Methanospirillum thermoautotrophicum 12288.
media (culture), effects on mesophilic bacteria temperature tolerance 117
oxygen, effects on, Acetovibrio cellulolyticus, growth, viability 2664
+redox potential, soil, effects on organic matter biodegradation 9644.
relationship, detection, positive blood culture 3775.
relationship, lactobacillus, yeasts, incidence, saliva, man 4355.
sensitivity, Escherichia coli mutants 11283
+sodium nitrite, inhibition, catalase, bacteria 11135.
soils (acid), effects on chitin biodegradation, Streptomyces 12369.
Vibrio alginolyticus, membrane potential, potassium effects on 5618
Vibrio alginolyticus, sodium transport, relationship membrane potential 10952
water, cold tolerance, mixed culture, Escherichia coli, pseudomonas aeruginosa 11005.
pH effects,
antibiotic resistance, penicillin, Streptococcus group B 388.
Arachis hypogaea, nodulation, nitrogen fixation, Rhizobium 1190.
Bacillus megaterium, spore germination, cations levels 1369.
bactericidal activity, propolis 3043.
inhibition, Staphylococcus aureus, myristic acid, linoleic acid, relationship, plasmids 1757.
Lactobacillus acidophilus, treatment, vagina discharges, man 3388.
oral microflora, Streptococcus sanguis, Streptococcus mutans, inhibition, fluoride, role, uptake 2632.
pH effects, (continued)
protons pumps, bacteriorhodopsin, purple membranes, photochemistry, Halobacterium halobium 2675.
purple membranes, Halobacterium halobium 145.
Rhizobium phaseoli, Rhizobium meliloti, survival, soils (acid) 3709.
soil, Medicago sativa, nitrogen fixation, Rhizobium meliloti 1182.
Streptococcus group D, inhibition, Streptococcus mitis, growth 4617.
Vibrio parahaemolyticus hemolysins biosynthesis 467.
pH gradients,
Rhodopseudomonas sphaeroides chromatophores 146.
Phadebact test,
detection, Streptococcus antigens 7903.
identification, Neisseria gonorrhoeae 3429.
identification, Neisseria gonorrhoeae, clinical isolates 3785.
identification, Streptococcus, blood culture 3791.
Neisseria gonorrhoeae identification tests comparison, fermentation methodology 7387.
Neisseria identification, media (culture) 7383.
serotyping methodology, Streptococcus group A, throat isolates 2541.
Phaeomelanin,
Vibrio cholerae mutants, biosynthesis 11032.
Phaeophyta,
bacteria parasites, pathology 13456.
Phage,
prophages, Escherichia coli, induction, procarbazine 2897.
Phage α,
Corynebacterium, DNA characterization, gene mapping, integration 1642.
Phage β,
Corynebacterium, DNA characterization, gene mapping, integration 1642.
Phage β^{tox},
mutants, antigens, Corynebacterium diphtheriae toxins, detection, plaque assay, enzyme-linked immunosorbent assay 5006.
Phage ψ,
Agrobacterium tumefaciens, mutagenesis 6731.
Phage ϵ^{15},
adsorption, cell surface, Salmonella anatum, pH effects on 7681.
Phage κ,
lysogeny, Vibrio cholerae strains, detection methodology 8455.
Phage λ,
association, RNA, processing, Escherichia coli, genetics, reviews 7519.
attachment, Escherichia coli, receptors, lamB gene, gene mapping 2888.
attachment, Escherichia coli, receptors, role, lamB gene 2887.
cloning Salmonella typhimurium chemotaxis genes, overproduction 247.
DNA insertion Escherichia coli, reviews 9850.
DNA, integration, excision, recombination 7672.
DNA, interaction, Escherichia coli DNA 7674.
DNA, recombination, sites, integration, Escherichia coli 273.
DNA-binding protein, structure, comparison Escherichia coli 5736.
Escherichia coli, efficiency of plating, temperature effects 1665.
λ gene, gene expression, suppression association plasmids 5030.
S gene proteins effects on, Escherichia coli inner membranes 12303.
N gene proteins, effects on operons transcription, association, binding, nusA gene proteins, Escherichia coli 11302.
genetic control, growth 5007.
hosts lysis, lysogeny, genetic control, environmental effects 7676.
ilv gene regulation sites, gene mapping, Escherichia coli transduction 5850.
inactivation, U.V. radiation 275.
infected cells, genes dosage effects on gene expression 11294.
infection, effects on protein biosynthesis, Escherichia coli 5849.
infection, stimulation groE gene gene products biosynthesis, Escherichia coli 5846
insertion, plasmid pPJ3b, transposon Tn2301, inversion, replication, Escherichia coli 2943.
insertion sites, Escherichia coli genes, ilv gene 1591.
integration proteins, purification, characterization, role recombination, Escherichia coli 4840.
plasmid pSC101, hybrids, deletion, DNA nucleotide sequence 4142.
plasmid R100 replication genes 8711.
promoters, construction cloning vectors, gene regulation penicillinase, tryptophan synthetase, Escherichia coli 5028.
prophages, DNA, recombinants, gene expression, genetic control, Escherichia coli 2892.
prophages, induction, Escherichia coli, galactose operon expression 4993.
prophages, induction, heat treatments, Escherichia coli rRNA degradation 5860.
receptors, Escherichia coli, DNA, proteins, injection 269.
receptors, Escherichia coli, lamB gene protein, outer membranes, sugars transport 8527
receptors, lamB gene protein, purification, characterization, Escherichia coli 8525
receptors, lamB gene protein, subunit structure, outer membranes, Escherichia coli 8524
receptors, LamB gene proteins, topography, outer membranes, Escherichia coli 8526.
receptors, proteins, characterization, Escherichia coli cell surface 1636.
receptors proteins, gene lamB, structure, Escherichia coli cell membranes 8535.
recombination, Escherichia coli, Chi sites 4997
recombination plasmid pBR322, DNA gyrase mediation, Escherichia coli 7497.
replication, thymidine effects on, Escherichia coli 1663.
repressors, monomers specificity recA gene protein proteolysis 7683.
repressors, proteolysis, recA gene proteins stimulation DNA-binding protein, Escherichia coli 5005
repressors, recA gene protein, cleavage sites, Escherichia coli 9822.
rev gene mutants, gene expression, lysogeny, Escherichia coli 5001.
transduction, Escherichia coli met gene 1639.
transduction, promoters regions, DNA nucleotide sequence ilv gene, Salmonella typhimurium 1439.
transduction R factors, role transposon Tn3 replicons 8716.
transduction, recE gene, Escherichia coli, expression, phage P2 lysogeny 1646.
Xis gene, gene products, effects on recombination, Escherichia coli 5010.
Phage Φ,
effects on, Escherichia coli, DNA, conformation 12816.
Phage Tulb,
Escherichia coli, receptors function, role, lipopolysaccharides 1651.
Phage Φ 11,
Staphylococcus aureus, mutants, U.V. radiation, DNA repair, factors affecting 1431.

Phage γ-tar-1,
Corynebacterium diphtheriae, transduction, excision, DNA hybridization, genetic analysis 1661.
Phage AP,
transduction, Pseudomonas aeruginosa, aminoglycoside antibiotics antibiotic resistance 10003
Phage AP50,
Bacillus anthracis, structural proteins, lysogeny, electron microscopy 12820.
Phage B,
DNA, restriction endonuclease mapping 1637.
Phage Bα,
Streptomyces lavendulae, isolation, characterization 1648.
Phage B225,
Pasteurella multocida, isolation, characterization, cattle 4121.
Phage C-1,
sewage isolates, plasmid IncC, characterization 4998.
Phage CP-54,
Bacillus thuringiensis subsp.berliner, Bacillus cereus, transduction, phage CP-54Ber, frequency, characterization 1647.
Phage CP-54Ber,
Bacillus thuringiensis subsp berliner, Bacillus cereus, transduction, phage CP-54, frequency, characterization 1647
Phage ΦCr30T,
temperature-sensitive mutant, Caulobacter crescentus, transduction 2886.
Phage ΦC31,
use cloning, Streptomyces 11261.
Phage Dp-1,
receptors, Streptococcus pneumoniae, association, choline 12304.
Phage fd,
complex, pili, Escherichia coli, membrane potential, ATP, membrane potential, effects on 1638.
protein A, N-terminus fragments purification, role adsoption Escherichia coli 6727
Phage FK,
Vibrio cholerae, phage typing, identification 1322.
Phage F$_0$lac,
F$_0$lac plasmid dependence, characterization, Escherichia coli, Salmonella typhimurium 5004
Phage f1,
coat protein orientation, Escherichia coli, cytoplasmic membranes 6732.
Escherichia coli, DNA biosynthesis 4129.
infection, Escherichia coli, DNA biosynthesis 2896
Phage F116,
Pseudomonas aeruginosa exodeoxyribonuclease deficient mutant, DNA restriction 12621
Phage f2,
mRNA secondary structure effects on initiation complex formation, Escherichia coli 9858
Phage GA,
Escherichia coli, RNA polymerase (RNA-dependent), purification, characterization 2893
Phage G4,
DNA biosynthesis, cell-free system Escherichia coli 4128.
Phage ΦH,
Halobacterium halobium, characterization 5859
Phage HP1,
Haemophilus influenzae, DNA, lysogency, insertion, R factor, Haemophilus influenzae 2898
Phage I3,
Mycobacterium smegmatis, DNA biosynthesis, RNA biosynthesis, protein biosynthesis 4984.
Phage J2,
Salmonella typhi, transduction, lysogeny, plaque formation 4999.
Phage LL-H,
tris inactivation DNA injection, Lactobacillus lactis, factors affecting 7677.
Phage L2,
Acholeplasma laidlawii infection, gene mapping, restriction-modification 12768.
Phage L3,
adsorption, Acholeplasma laidlawii 4991.
Phage Mu,
DNA, plasmid pBR322 insertion 11338.
DNA proteins complex, transfection, Escherichia coli spheroplasts 6729.
Erwinia sensitivity 1649.
insertion sequence 5, DNA nucleotide sequence 4796.
replication, Escherichia coli, DNA, configurations 8718.
role, Escherichia coli plasmid RP4 transfer, Acinetobacter calcoaceticus, characterization 5852.
transduction, interaction, Escherichia coli, DNA, replication 2885
Phage ΦMU1,
Streptococcus cremoris, curing, characterization 1653.
Phage M13,
cloning, genetic engineering genes, gene expression, Escherichia coli 12745
coat protein, incorporation, Escherichia coli cytoplasmic membranes 12814.
Phage Pf1,
DNA, proteins complex, purification, characterization, Pseudomonas aeruginosa 2903
DNA proteins complex, structure, electron microscopy, Pseudomonas aeruginosa 2902
Phage PL-1,
adsorption, Lactobacillus casei, receptors antigenic determinants 12824
Lactobacillus casei, D-glucosamine, inactivation 11298
Phage PM2,
infection, Alleromonas espejiana, protein biosynthesis, kinetics, characterization 7680
Phage PRR1,
infection, conjugation, Caulobacter vibrioides, RP1 plasmid, pili, effects on 1675.
Phage PR4,
adherence, Escherichia coli pili, thickness role IncI plasmid 11337
Phage P1,
Escherichia coli, circular DNA, biosynthesis 1659
prophages, transduction R factor NR1, recombination 9872
transduction, Escherichia coli, prophages, argF gene, gene products, characterization 7679
Phage P1CM,
effects on chloramphenicol antibiotic resistance genes, transcription,
Phage P1CM, (continued)
Escherichia coli 10004.
Phage P2,
Escherichia coli, lysogeny, phage λ transduction, recE gene, expression 1646.
Phage P22,
c1 gene mutation effects on lysogeny, Salmonella 4115.
repressors, recA gene protein, cleavage sites, Escherichia coli 9822.
Salmonella, lysogeny, genetic control, cro gene 4117.
transduction, chimeras plasmids, Salmonella typhimurium 5848.
Phage P221,
infection, Salmonella typhimurium, induction, proteins, characterization 8719.
Phage P4,
lysogenization, Escherichia coli 4116.
propagation, presentation, plasmids, Escherichia coli, characterization 9861.
Phage SAt2,
classification, lysogeny, Streptomyces azureus 270.
Phage Sd,
U.V. radiation lesions, protein biosynthesis inhibitors, DNA repair pathway, Escherichia coli 6724.
Phage ΦSF1,
identification, plasmid pUC1, plasmid pUC13, Streptomyces fradiae, characterization 6747.
Phage SH5,
DNA, restriction-modification, Streptomyces hygroscopicus 1654.
Phage SPβ,
Bacillus subtilis, Bacillus, RNA, DNA, homology 1645.
Bacillus subtilis, diploids, glutamine synthetase subunits, regulation 6621.
Phage SPβc2,
insertion, Bacillus subtilis, citF gene, gene mapping 12756.
Phage SPO1,
Escherichia coli, protein biosynthesis, transcription regulation, genes 5857.
replication, development, role, DNA-unwinding protein, Bacillus subtilis 2899.
Phage SPP1,
Bacillus subtilis, U.V. radiation lesions, host cell reactivation, role, DNA repair 8720.
Bacillus subtilis, transduction, DNA characterization 1662.
Bacillus subtilis transfection, magnesium effects on 1644.
Phage SP01,
DNA, fragments, expression, cloning, Bacillus subtilis 11303.
nucleotide sequence, promoters, binding RNA polymerase+proteins, gene 28 4130.
promoters, binding RNA polymerase σ subunit Bacillus subtilis, transcription 2890.
Phage SP10,
Bacillus subtilis, DNA biosynthesis, gene expression 5856.
Phage SP82,
promoters, RNA polymerase binding, role δ subunit, Bacillus subtilis 6575.
Phage SV1,
lysogeny, host specificity, Streptomyces venezuelae 12823.
Phage SV2,
lysogeny, host specificity, Streptomyces venezuelae 12823.
Phage S1,
morphology, taxonomy, isolation, Spiroplasma, lysis 5000.
Phage t,
infection, relationship, incidence, T plasmids, bacteria 4986.
Phage typing,
Aeromonas salmonicida, morphology, identification 2565.
Bacillus pumilus, Bacillus subtilis, Staphylococcus aureus 9547.
Brucella suis biotypes, differentiation 8294.
Enterobacteriaceae, Citrobacter freundii, phages receptors 10919.
Escherichia coli, relationship, mastitis, cattle 10877.
Escherichia coli, strains, clinical isolates, genitourinary tract infection, man 9540.
horses, role, Staphylococcus intermedius identification 6467.
identification, Salmonella typhi strains, use, epidemiology 3800.
identification, Streptococcus group B, animal isolates, cattle, hyaluronidase, pathogenicity 3805.
Klebsiella, Enterobacter, nosocomial infection clinical isolates 9574.
Listeria monocytogenes, cross-infection, man, disease transmission 9260.
lysogeny, Bacillus, soil isolates, water isolates 12247.
Mycobacterium avium, Mycobacterium intracellulare, Mycobacterium scrofulaceum, methodology 3807.
Pseudomonas aeruginosa 52.
Pseudomonas solanacearum, wilt, Musa sapientum, Musa textitis 10740.
Pseudomonas, Xanthomonas, taxonomy (numerical) 1641.
Salmonella orianienburg, clinical isolates, man, Indonesia 6479.
Salmonella typhimurium, clinical isolates, India 9907.
Salmonella typhimurium phage 199, salmonellosis, man, epidemiology 11296.
Salmonella weltevreden, epidemiology, geographical distribution, India, 44.
Staphylococcus aureus 31.
Staphylococcus aureus, association, toxic shock syndrome, incidence, man 9575.
Staphylococcus aureus, phages strains characterization 10917.
Staphylococcus aureus, toxic shock syndrome, man 9565
staphylococcus, identification 8297.
Streptococcus group B, isolates, cattle, man 2550.
Streptomyces intermedius, animal isolates, Columba 10898.
use, markers, competition, nodulation, Rhizobium leguminosarum 9458.
Vibrio cholerae, clinical isolates, water isolates 12249.
Vibrio cholerae, phage FK, identification 1322.
Yersinia enterocolitica, clinical isolates, Japan 8713.
Phage T1,
tar gene mutants, association, hosts chromosomes degradation defects 4124
Phage T12,
Streptococcus pyogenes infection, association exotoxins biosynthesis 7684.
Phage T3,
phages hosts interaction, reviews 2895
Phage T4,
Escherichia coli, DNA biosynthesis association 9849.
Escherichia coli, DNA glycosylase assays 5854.
Escherichia coli, induction, ribonucleoside-diphosphate reductase activity, association tyrosine residues radicals 8560.
Escherichia coli infection, polynucleotide kinase mechanisms 1664
gene expression, plasmid pMB9, Escherichia coli 4120.
infected cells, RNA biosynthesis, role, mot gene 9847.
infected cells, RNA biosynthesis, role, mot gene 9848.
mutants, growth, inhibition, plasmid pR386, Escherichia coli 5013.
receptors, mutants, lipopolysaccharides, association, galactose residues,

Phage T4, (continued)
Escherichia coli 9845
replication, association, Escherichia coli, RNA polymerase, recombination 9860
restriction endonuclease inhibitor genes, lysogenization, cloning, mapping, Escherichia coli 7673
tRNA, activity, role, ribonuclease III, Escherichia coli 5012
role, Escherichia coli, gene 28, gene products, folic acid, metabolism 6733.
Phage T4D,
tail fibers, receptors sites, Escherichia coli, characterization 7675.
Phage T5,
attachment, kinetics, receptors, membranes, Escherichia coli, effects on 1660
gene products effects on Escherichia coli RNA polymerase 4988
proteins receptors, fhuA gene, antigen O effects on, Escherichia coli 2901
Phage T6,
inactivation, role, Escherichia coli lipopolysaccharides 11300
Phage T7,
association, RNA, processing, Escherichia coli, genetics, reviews 7519
col 1b plasmid, colicins, effects on, protein biosynthesis, Escherichia coli 9859
DNA, Escherichia coli RNA polymerase, mRNA complex, stability 7514.
DNA, infection Escherichia coli, role RNA polymerase 5847.
DNA injection defects, association, alkylation, depurination 8724.
DNA, lasers cross-linking Escherichia coli RNA polymerase 5702
DNA polymerase, thioredoxin activation, comparison, Escherichia coli, chloroplasts Spinacea oleracea 5002
DNA, transcription, initiation, RNA polymerase, mechanisms, Escherichia coli 4996
DNA, transfection, Escherichia coli 12822
Escherichia coli, replication, gene groM gene products effects on 4123.
growth, restriction, Escherichia coli mutants RNA polymerase 5853
induction, Escherichia coli protein kinase activity, characterization 9851
mutants, isolation, DNA-binding protein association, Escherichia coli 7682.
mutants, ribonuclease III, association, mRNA translation, gene expression, regulation, Escherichia coli 5011
phages hosts interaction, reviews 2895.
+plasmid pBR322, DNA, recombination, replication 4990
promoters, association, genetic engineering, recombinants plasmids, RNA polymerase, transcription, DNA 5036
protein biosynthesis, inhibition Escherichia coli 11291
reactivation, Escherichia coli DNA repair deficient mutant 271
recombination, plasmid pBR322, association, DNA biosynthesis, Escherichia coli 2938
RNA polymerase initiation transcription, Escherichia coli 272.
role RNA polymerase DNA transport, infection Escherichia coli 4127.
Phage ΦW-14,
DNA, uptake, Bacillus subtilis, characterization 6730.
Phage XP-12,
enzymatic synthesis, 5-methyl-deoxycytidine deaminase, Xanthomonas oryzae 6726.
Phage Xp12,
effects on Xanthomonas oryzae thymidylate biosynthesis 8723
Phage ΦX174,
capsids, packaging, plasmids DNA 7694.
DNA, replication, superhelical, Escherichia coli, enzymes, effects on 11292.
DNA, RNA polymerase promoters substrate specificity, Micrococcus luteus, Escherichia coli 11042
genetic control, growth 5007
host range mutants, isolation, characterization, Escherichia coli 1655
inactivation, U.V. radiation 275.
Phage ZAR$_2$,
resistance, Escherichia coli 4125
Phage ρ11,
Bacillus subtilis, Bacillus, RNA, DNA, homology 1645.
histidine transduction, role Bacillus subtilis hisA gene, DNA deletion, restriction endonuclease mapping 12815
role, cloning, Bacillus subtilis α-amylase 5824
Phage ε15,
adsorption, cell surface polysaccharides, Salmonella anatum 6725
Phage 199,
Salmonella typhimurium, salmonellosis, man, epidemiology, phage typing 11296.
Phage 2,
receptors proteins, maltose-binding protein, interaction, Escherichia coli 5008
Phage Φ29,
DNA, nucleotide sequence, initiation sites, transcription, translation, Bacillus subtilis 6587
mRNA translation, cell-free system Bacillus subtilis, Escherichia coli 5708
translation, Escherichia coli, Bacillus subtilis 1457
Phage Φ3T,
Bacillus subtilis, Bacillus, RNA, DNA, homology 1645
Bacillus subtilis, transformation, integration, thyP3 gene, thymidylate synthase, gene mapping 1643.
Phage 5006M,
Proteus mirabilis, binding, Escherichia coli RNA polymerase 5858.
Phage Φ6,
role, screening, Pseudomonas strains, double-stranded RNA restriction-modification 2900.
Phage Φ6R,
mutants, adsorption, lysis, Pseudomonas phaseolicola 7670
Phage Φ63,
transduction, Bacillus thuringiensis, antibiotic resistance, gene mapping 1657
Phage 80α,
lysates, competence factor isolation, Staphylococcus aureus transformation 258.
lysates, isolation, characterization, competence factor, Staphylococcus aureus transformation 259.
Phage Φ80,
plasmid EP396 Ap gene transposition, Escherichia coli 12819.
Phage-β,
identification, DNA fragments, association, genes, Corynebacterium diphtheriae toxins 1640.
Phages,
association acquisition antibiotic resistance, Staphylococcus aureus strains 5936.
association, Streptococcus pyogenes hyaluronidase activity, characterization 5855.
Bacillus cereus, induction, sporulation 5003.
Bacillus licheniformis, isolation, morphology, characterization 9854.
base composition, lysis, Pseudomonas 12821.
Phages, (continued)
Bordetella pertussis, release, vaccines, production 1650.
Caulobacter, reviews 3795.
Citrobacter freundii, receptors, phage typing, Enterobacteriaceae 10919.
comparison, Escherichia coli, DNA-binding protein, homology, amino acid sequence 12551.
conjugation, Pseudomonas aeruginosa, R factors transduction 11295.
DNA, infection, Erwinia carotovora, characterization 8712.
DNA injection hosts cells, U.V. radiation effects on 8717.
DNA repair, Bacillus subtilis protoplasts, enzymatic activity 152.
Enzymes, replacement succinate dehydrogenase function, Escherichia coli 5851.
enzymes, use, depolymerization, Klebsiella capsules polysaccharides 4945.
Escherichia coli, DNA biosynthesis, RNA biosynthesis, proteins, molecular weights 4119.
infection, bacteria, proteolysis, genetic control 7657.
infection, mRNA characterization, isolation, Escherichia coli 6723.
infection resistance, Streptococcus cremoris, starter cultures, selection, cheese production 4977.
Klebsiella, nuclease activity 4985
lactic acid bacteria, Streptococcus, U.V. radiation effects on production 1652.
Listeria, isolation, characterization 11301.
lysis bacteria, soil, herbicides effects on 8197.
lysogenization, effects on Pseudomonas aeruginosa antigen O changes 268
lysogenization, Vibrio cholerae, biotypes, sensitivity 9846.
mitomycin C, induction, lysogeny, Desulfovibrio desulfuricans, electron microscopy, morphology 12818.
morphology, ultrastructure, isolation, Apis mellifera, Bacillus larvae 9855
mutants, deletion mutant, induction, enterotoxins, Vibrio cholerae 7655.
Mycobacterium smegmatis, lysogeny 6734.
Mycoplasma, Spiroplasma, Acholeplasma, lysis, morphology, taxonomy 9853.
phage ψ, DNA, lysogeny, Agrobacterium tumefaciens, morphogenesis 11299.
phage Mu, prophages, lysogeny, bacteria, genetic analysis, biochemical analysis 8721.
phage Mu, use, characterization, regulation, L-arabinose transport operons, Escherichia coli 8681.
plaques formation, mathematical models, Corynebacterium diphtheriae 4995.
proteins, purification, characterization, role killing, Bacillus subtilis 7671.
receptors, interaction, lipopolysaccharides, Proteus mirabilis 7678
receptors, Salmonella typhimurium, proteins precursors function 2745.
release, Acholeplasma laidlawii, induction, mitomycin C 4989.
replication, inhibition, plasmids, reviews 2944.
role, Streptococcus group A exotoxins biosynthesis 6001.
Salmonella johannesburg, characterization 2889.
Salmonella, relationship, toxins biosynthesis 4122.
Staphylococcus sensitivity 11428.
strains characterization, Staphylococcus aureus phage typing 10917.
Streptococcus lactis, interaction, temperature effects, cheese production 2891.
Streptococcus pneumoniae, characterization, interaction 6728.
Streptomyces, poly-(L-lysine), inactivation 11297.
Streptomyces pyogenes, isolation, methodology 4126.
Streptomyces, soil, pH effects 1656.
transduction, association, recombination, R factors, Staphylococcus aureus 12833.
transduction, Staphylococcus aureus, mixed culture, transfer, antibiotic resistance 11427.
transfection, Bacillus subtilis, restriction, DNA homology 7669.
transposons, insertion sequences, structure, transposition, bacteria, reviews 12817.
use, treatment, Escherichia coli, experimental infection, mice 8722.
Yersinia enterocolitica, isolation, characterization, water 4987.
PhageΦX174,
DNA biosynthesis, cell-free system Escherichia coli 4128.
Phagocytes,
immunity (humoral), burn patients, man, characterization 10237.
interaction, Salmonella typhimurium, Immunoglobulin A, dinitrophenol binding, effects on 1330.
pathogens killing, mechanisms 7937.
phagocytosis bacteria, immune response, defense mechanisms 6898
phagocytosis, Mycoplasma, immune response 10240.
role, immune response, Streptococcus pneumoniae infection 6918
Phagocytosis,
anaerobic bacteria, association, anaerobic conditions, aerobic conditions 2672.
bacteria, leukocytes (neutrophilic), monocytes, lung macrophages, man 4322.
bacteria, phagocytes, immune response, defense mechanisms 6898.
Brucella, macrophages, ultrastructure 10204.
Brucella suis, macrophages, phagosomes, fusion, lysosomes, mice 11565.
Carcinus maenas nephrocytes, defense mechanisms, experimental infection, Bacillus cereus, Moraxella 2401
complement, classical pathway, role, opsonization, leukocytes, Escherichia coli 11630.
effects on, pigs, vibrio cholerae live vaccines effects on 9033.
Escherichia coli leukocytes, microbicidal activity, hypochlorous acid, myeloperoxidase activity 6926.
Escherichia coli, macrophages, spleen, liver, turkeys 546.
immune response (cell-mediated), sheep, lung experimental infection, Pasteurella haemolytica 10199.
intracellular killing, leukemia, association, leukocytes (granulocytic), Staphylococcus aureus, Escherichia coli, man 9006
Legionella pneumophila, macrophages, opsonins, complement, role 10213.
leukocytes, antibiotics stimulation, susceptibility, Escherichia coli, Staphylococcus aureus 13027.
leukocytes (granulocytic), Staphylococcus aureus, fibronectin opsonization 7952.
leukocytes (neutrophilic), immunodeficiency, Staphylococcus aureus, recurrent infection, man 10207
leukocytes (neutrophilic), macrophages, immune response, Haemophilus influenzae meningitis, neonates, rats 8955
leukocytes (neutrophilic), Pasteurella multocida, susceptibility 534.
leukocytes (neutrophilic), Pseudomonas aeruginosa endotoxins vaccines effects on, rabbits 9035
leukocytes (neutrophilic), resistance, Bacteroides fragilis, capsules, virulence, rabbits 7916.
leukocytes (neutrophilic), role, bacteria, wound infection, man 4276.
leukocytes (polymorphonuclear), bacteria, antimicrobial agents effects on 10241.
leukocytes (polymorphonuclear), Borrelia hermsii, opsonization, characterization, man 6112.
leukocytes (polymorphonuclear), immunosuppression, Staphylococcus aureus, peptidoglycans, protein A, teichoic acid 6089.

Phagocytosis, (continued)
  leukocytes (polymorphonuclear), Streptococcus pyogenes, role, antibiotics 10222.
  leukocytes (polymorphonuclear), Vibrio vulnificus, resistance, relationship, virulence 3217.
  leukocytes, Serratia marcescens, antigen O, immunoglobulin G effects on 10194.
  macrophages, antibacterial activity, Leptospira, guinea-pigs 3191.
  macrophages, bacteria, kinetics, morphology, rats 588.
  macrophages, chemiluminescence, Salmonella typhimurium, experimental infection, mice 1905.
  macrophages, Escherichia coli, interferon effects on 3219.
  macrophages, Listeria monocytogenes, experimental infection, mice, surfactants, effects on 3235.
  macrophages, Propionibacterium acnes, vaccines, induction, splenomegaly, mice 10265.
  macrophages, Staphylococcus aureus, chlorphentermine, iprindole, effects on, rats 6107.
  macrophages, Staphylococcus aureus, Pseudomonas aeruginosa, man, rabbits, rats, hamsters, comparison 6088.
  macrophages, Streptococcus pneumoniae, opsonization, vaccination, polysaccharides 3196.
  macrophages, Treponema pallidum, inflammation, hypersensitivity (delayed), orchitis, rabbits 11613.
  macrophages, tuftsin, immunostimulation, bactericidal activity, mice 6070.
  monocytes, antibiotics effects on, Escherichia coli, mice 11582.
  monocytes, meningitis, Listeria monocytogenes, association, iron overload, man 8987.
  monocytes, monocytic leukemia, man 11621
  Mycoplasma, phagocytes, immune response 10240.
  Neisseria gonorrhoeae, macrophages, role, Fc receptors 1876.
  Pseudomonas aeruginosa, leukocytes (polymorphonuclear), monocytes, cystic fibrosis, antisera 13043.
  rabbits, Staphylococcus aureus, leukocytes (eosinophilic) peroxidase effects on 5209
  resistance, complement C3, Streptococcus group A 9022.
  Rickettsia tsutsugamushi, penetration, leukocytes (polymorphonuclear), factors affecting 10230.
  Staphylococcus albus, association, monocytes+macrophage-activating factor 5236.
  Staphylococcus aureus, leukocytes (polymorphonuclear), leukocytes (mononuclear), role, complement C3, reviews 574.
  Staphylococcus aureus, mononuclear phagocyte system, infectious bursitis effects on, chickens 1071.
  Streptococcus group B, lymphocytes, role capsules, opsonization, complement activation 8976
  Streptococcus group B, strains, neutrophils, man 579.
  Streptococcus pneumoniae, correlation, cell cycle 557.
  tuftsin effects on, leukocytes (neutrophilic), man 13017.
  urine leukocytes (polymorphonuclear) effects on Escherichia coli, opsonization, man 11598.

Phagosomes,
  Chlamydia psittaci, isolation, L. cells, characterization 12078.
  fusion, lysosomes, macrophages, phagocytosis, Brucella suis, mice 11565.

Phalaris arundinacea,
  nitrogen fixation, nitrogenase activity, salt marshes 9451.

Phanquone,
  antibacterial activity, Escherichia coli, Staphylococcus aureus, metabolism 3085.

Pharagmites australis,
  nitrogen fixation, nitrogenase activity, salt marshes 9451.

Pharmaceuticals,
  Bifidobacterium, counting methods 12207.

Pharmacokinetics,
  amikacin, treatment, ventriculitis, bacteria infection, children 3411.
  aminoglycoside antibiotics, treatment, gram-negative bacteria, respiratory tract infection, man 13118.
  antibiotic 6059-S 2318.
  antibiotics, bacteria infection, renal insufficiency, man 12004.
  antibiotics, treatment, Streptococcus faecalis, Escherichia coli, pyelonephritis, animal models 13257
  bacteria infection, cinoxacin treatment, man 13306
  cefadroxil, treatment, infection, children 5417
  cefoperazone, antibacterial activity, use, antibiotic therapy, reviews 4171.
  cefotaxime, treatment, gram-negative bacteria meningitis, children 6232.
  cefotiam, treatment, infection, children 3539.
  ceftazidime, toxicity, antibacterial activity, antibiotics treatment, immunosuppression, conferences 5549.
  ceftazidime, treatment, Haemophilus influenzae meningitis, rats 5344
  chloramphenicol, treatment, Haemophilus influenzae, meningitis, intravenous administration, oral administration, infants, man 2133.
  β-lactam antibiotics, treatment, Enterobacteriaceae meningitis, rabbits 7066.
  models, antibacterial activity, ceftazidime, Pseudomonas aeruginosa 5085.
  moxalactam, Staphylococcus aureus endophthalmitis, experimental infection, rabbits 2397
  moxalactam, treatment, Serratia marcescens, Pseudomonas aeruginosa, antibiotic resistance, infection, man 3446
  rifampicin+trimethoprim, effects on microflora, man 5267
  spiramycin, treatment, mastitis, Staphylococcus, cattle 3634
  trimethoprim, reviews 2268.

Pharmacology,
  moxalactam, in vitro 3007

Pharyngitis,
  association, common cold, diagnosis, symptoms, man 749
  association, Streptococcus group G food contamination, man 13151
  bacteria, diagnosis, treatment, dogs 7247
  Corynebacterium haemolyticum, diagnosis, etiology, man, case reports 3338
  predisposing factors, Staphylococcus aureus, pyomyositis, diagnosis, treatment, man, case reports 2231
  Streptococcus, association, food contamination, military personnel 13143
  Streptococcus, cefaclor treatment, clinical trials, man 13264.
  Streptococcus, epidemiology, South Africa 783
  Streptococcus group A, antibiotic resistance, erythromycin, man, case reports 9106.
  Streptococcus group A, association, neurosis, man 10418
  Streptococcus group A, man, case reports 800
  Streptococcus group A, treatment, penicillin V, penicillin G, cefadroxil, erythromycin, children 10336.
  Streptococcus, treatment, bacampicillin, penicillin V, amoxicillin, man 13122
  Streptococcus, treatment, man 13135

Pharyngitis, (continued)
  Streptococcus, treatment, penicillin G, children 10312.
  treatment, cefadroxil powder, children 1007.
  treatment, cefadroxil, streptococcus, children 747.
  treatment, penicillin V, Streptococcus group A, man 761.

Pharynx,
  children, Neisseria gonorrhoeae infection 11697.
  epithelium cells, adherence, cell membranes, Streptococcus pyogenes, antibiotics effects on, in vitro 5051.
  epithelium, cells, Streptococcus group A adherence, role, polysaccharides 4735.
  gonorrhea, man, case surveys 5303.
  gonorrhea, Neisseria gonorrhoeae, penicillinase production, treatment, man 8029.
  infection, Streptococcus group A, antibody response, man 6071.
  isolates, Streptococcus, incidence, children, Brazil 5289.
  Streptococcus pyogenes, infection, man, case reports 992.

Phascolarctos cinereus,
  diseases, Australia 1110.
  keratoconjunctivitis, Chlamydia psittaci etiology 5471.

Phase transition,
  lipids, I.R. spectroscopy, membranes, Acholeplasma laidlawii 8380.
  purple membranes, brown holo-membranes, X-ray diffraction, C.D., absorption spectroscopy, Halobacterium halobium 4784.

Phase typing,
  Corynebacterium nebraskense, wilt, blight, Zea mays 8285.

Phase variations,
  pili, operons fusion, genes transcription, control, transitions, Escherichia coli 5843.

Phaseolotoxin,
  Pseudomonas phaseolicola, biosynthesis, association, plasmids 1678.

Phaseolus,
  Rhizobium phaseoli, inoculation, nitrogen fixation, soil 12123.

Phaseolus coccineus,
  nodulation, specificity, Rhizobium phaseoli 13504.

Phaseolus lunatus,
  growth, nodules, Rhizobium, gibberellin biosynthesis, effects on 4625.
  nodulation, Rhizobium phaseoli, host specificity 10785.
  Rhizobium nodulation, bacteroids formation 12133.

Phaseolus vulgaris,
  blight, Xanthomonas phaseoli, sulfur dioxide, effects on, lesions, development 12093.
  cultivars, genotypes, effects on, replication, Pseudomonas phaseolicola 2412.
  nitrogen fixation, radioactive labelling, methodology 7332.
  nodulation, Rhizobium, acid rain effects on 1207.
  nodulation, Rhizobium phaseoli, host specificity 10785.
  nodulation, specificity, Rhizobium phaseoli 13504.
  nodules, nitrogen fixation, nitrate reductase, nitrogenase, activity, fertilizers, effects on 4645.
  plant extracts, carbohydrates, agglutination, Pseudomonas phaseolicola, virulence 2544.
  Pseudomonas syringae infection, etiology, characterization 9415.
  Rhizobium leguminosarum, Rhizobium phaseoli, plasmids, transfer, nodulation, host range 2923.
  Rhizobium, nitrogen fixation, nodulation, reviews 1206.
  Rhizobium phaseoli nodules, nitrogen fixation, relationship, nitrate reduction 1170.
  Rhizobium strains variation, nitrogen fixation 13494.

Phasianus colchicus,
  infection, Erysipelothrix rhusiopathiae, characterization 12045.

Phelonic acid,
  effects on rumen microoganisms, growth, cellulase activity 11017

Phenanthrene,
  antibacterial activity, Escherichia coli, staphylococcus aureus, structure-activity relationships 7863.
  water pollution, microorganisms bioaccumulation 7433.

Phenanthroline,
  antibacterial activity, Escherichia coli, staphylococcus aureus, structure-activity relationships 7863.

β-**Phenetyl alcohol,**
  effects on tyramine oxidase, arylsulfatase, Klebsiella aerogenes 4931.

Phenobarbital,
  effects on, luminescence, Beneckea harveyi 11030.

Phenol,
  antibacterial activity, Nitrosomonas 436.
  antibacterial activity, Spiroplasma citri, Spiroplasma 7846.
  bactericidal activity, Mycobacterium bovis 10029.
  biodegradation, association, growth, bacteria 7867.
  biodegradation, bacteria, shake culture, statistical analysis, factors affecting 3839.
  effects on Pseudomonas aeruginosa potassium flux 5613.
  +glycerol+zinc, insulin additives, antibacterial activity, Staphylococcus epidermidis, Staphylococcus aureus, Escherichia coli 4203.
  Listeria monocytogenes extracts, purification, characterization 1799.
  oxidation, Pseudomonas putida, structure-activity relationships, characterization 8407.

Phenolics,
  cytochemistry, Nicotina, hypersensitivity, Pseudomonas solanacearum 2407.

Phenols,
  antibacterial activity, Clostridium botulinum, growth, toxins biosynthesis 5964.
  antifungal activity, antibacterial activity, fungi, bacteria, Magnolia grandiflora 448.
  antioxidants, antimicrobial activity, reviews 423.

Phenotypes,
  Bacillus akalophilus, mutants, cytochromes 9819.
  expression, Escherichia coli, gpt gene, transformation, cell lines 7643.
  expression, nuclear division, mutation induction, association 6703.
  Klebsiella oxytoca, Klebsiella pneumoniae, beer isolates 80.
  Neisseria gonorrhoeae, colonial characteristics, in vitro 8394
  Neisseria gonorrhoeae, factors affecting, resistance, serum, man, in vitro 12954
  ssd gene mutants, Escherichia coli 7656.
  suppression, galE gene, plasmid S-a, plasmid Rts1, Escherichia coli 2919.
  transfer, hydrogen autotrophy, Nocardia opaca, Rhodococcus erythropolis, Corynebacterium hydrocarboclastus 6715.
  Yersinia, relationship, Yersinia philomiragia 1288.

Phenotypic variations,
  Vibrio cholerae, pathogenicity, water pollution 7343.

Phenotyping,
Neisseria gonorrhoeae, lipopolysaccharides 6478
Phenoxazinone synthase,
isoenzymes, purification, characterization, Streptomyces antibioticus 4030.
Phenoxymethylpenicillin,
analogs, antibacterial activity, Staphylococcus, Streptococcus 7781
antibiotic resistance, clinical isolates, agar dilution test 7832.
effects on, microflora, colonization, mouth, colon, throat, man 10282.
treatment, postoperative infection, bacteria, association, molars ablation, man 10499.
5-Pheny-4H(R)-1,2,4-triazolin-3-thiones,
antimicrobial activity, bacteria 8838
N-(4-Phenyl-3-methyl-2-butenyl)carbnonoxymethylpyperidinium-chloride,
antimicrobial activity 12942
1-Phenyl-4-amino-5-chloro-piridazone-6,
effects on, growth, oxygen uptake, nitrogenase acitivity, association, bioaccumulation, Azotobacter chroococcum 9640
Phenylalanine,
active sites, affinity labelling, phenylalanyl-tRNA synthetase, Escherichia coli 9758
biodegradation, pathway, Phenylobacterium immobilis 5646.
biosynthesis, association, Brevibacterium flavum chorismate mutase, activity, concentration 3987
biosynthesis, Brevibacterium flavum 4832.
biosynthesis pathway, enzymes, Pseudomonas, Alcaligenes, Xanthomonas, taxonomic significance 2746
deficiency, lactalbumin, diets, immunostimulation, immune response (humoral), salmonellosis, mice 3212
effects on, potassium, hydrogen, efflux, association, peptides, Pseudomonas aeruginosa 12320
Escherichia coli, biosynthesis, mutants, continuous culture 9706
Phenylalanine decarboxylase,
mechanisms, stereochemistry, Micrococcus percitreus 3971
L-Phenylalanine methyl ester,
hydrolysis, kinetics, microbial metalloproteinases 4895
Phenylalanine racemase (ATP-hydrolysing),
Bacillus brevis, enzymatic activity, mechanisms 3965
Phenylalanyl-tRNA,
elongation factor Tu complex, structure analysis, kethoxal chemical modification GTP, kinetics, Escherichia coli 11067
Phenylalanyl-tRNA synthetase,
Escherichia coli, activity, zinc dependence, diadenosine 5',5"-P^1,P^4-tetraphosphate 1442.
phenylalanine active sites affinity labelling, Escherichia coli 9758
Phenyldiglyoxal,
cross-linking rRNA 5S, Escherichia coli 4103
Phenylglyoxal,
allosteric inactivation, glucose-1-phosphate adenylyltransferase, role arginine residues, Escherichia coli 7592.
Bacillus cereus, effects on spores germination 8831
chemical modification, inactivation, aspartate carbamoyltransferase, ornithine carbamoyltransferase, role arginine active sites, Escherichia coli 4044.
inactivation acetate kinase, Escherichia coli 3976
reaction, ornithine carbamoyltransferase, comparison aspartate carbamoyltransferase, Escherichia coli 4935
Phenylobacterium immobilis,
biodegradation, aminopyrine, carbon sources, characterization 5675
catechol 1,2-dioxygenase, characterization 11191
phenylalanine, biodegradation, pathway 5646.
Phenylphrine,
treatment, bacteria sepsis, effects on circulation, man 13336
Phenylpropanoic acid,
stimulation, Ruminococcus albus growth, cellulose biodegradation 7461
Pheromones,
biosynthesis, Stigmatella aurantiaca, association, fruit bodies formation 6681.
Philippines,
man, Escherichia coli toxigenicity incidence, antibiotics effects on 991
Phillipines,
man, females, Klebsiella, bacteriuria, diagnosis 2097
Philodendrom selloum,
infection, association, Erwinia chrysanthemi survival 12106.
Philodendron selloum,
Erwinia chrysanthemi, inoculum concentration, water, effects on infection 9421
Phlebitis,
typhoid fever, man 13279
Phloem,
sap, collection, characterization, mycoplasma-like organisms yellows, Cocos nucifera 13453
sap, composition, mycoplasma-like organisms yellows, Cocos nucifera 13449
Phloroglucinol reductase,
Coprococcus, purification, characterization 2802.
Phoenicopterus ruber roseus,
gastrointestinal tract, Mycobacterium, incidence, France 4569
Phoma tracheiphila,
Zanardinia prototypus, Cystoseira balearica, Laurencia obtusa, antimicrobial activity, Sicily 1767
Phony disease,
bacteria, colonial characteristics, Prunus persica 9551.
peaches, etiology, bacteria presentation Rickettsia 6402.
Rickettsia-like organisms, antigenic relationship, Sorghum halepense infection 9406
Rickettsia-like organisms, isolation, density gradients centrifugation, plant extracts, Prunus persica 5503.
Phophoenolpyruvic acid,
association, hexose transport systems, role enzymes phosphorylation, bacteria 8355
Phosphatase,
multiple forms, phosphorylation, Salmonella typhimurium, characterization 7612.
phoA gene, amino acid sequence, Escherichia coli 6642.
Thermoactinomyces vulgaris, enzymatic activity, heat tolerance, role, cations 2763.
Phosphate,
assays, liquid culture, use, Pseudomonas fluorescens var.aureofaciens 10874.
Bacillus, detection, N.M.R. 4089.
detergents, metabolism, Bacillus 3844.
effects on, alginic acid, biosynthesis, enzymes, Azotobacter vinelandii 12703.
Phosphate, (continued)
effects on, cellulose biodegradation, nutrient dynamics, soil 2434.
effects on cyclic AMP levels, association, streptomycin biosynthesis, Streptomyces griseus 1580.
effects on gene expression, lac Z gene× psi promoter, Escherichia coli 11274.
effects on, maridomycin biosynthesis, Streptomyces hygroscopicus 5039.
effects on protein P biosynthesis, role anions transport, reconstitution models, Pseudomonas aeruginosa 6605.
effects on, Rhizobium, growth 105.
Escherichia coli, silver effects on, transport, uptake 12305.
leaching, Aspergillus niger, Penicillium notatum, lactobacillus, characterization 12367.
levels, effects on, Medicago trunculata, nitrogen fixation, growth 4643.
limitations, association, Bacillus subtilis teichoic acid chains length 9790.
metabolism, Thermus flavus, characterization 12417.
mobilization, nitrogen fixation, Glycine max, Medicago sativa 3718.
nutrient requirements, Vibrio cholerae biosynthesis, vascular permeability factor 2847.
regulation, activity, alkaline phosphatase, acid phosphatase, adenosinetriphosphatase, Pseudomonas aeruginosa, Pseudomonas maltophilia 12669.
regulation, Streptomyces viridochromogenes sporulation, aerial mycelia formation 6526.
repression, biosynthesis, alkaline phosphatase, Vibrio cholerae 8612.
Rhizobium japonicum growth 104.
solubilization, phosphate-dissolving bacteria 12387.
transport, energetics, Escherichia coli 5636.
transport, Pseudomonas aeruginosa 4726.
Phosphate acetyltransferase,
purification, characterization, Clostridium thermoaceticum 4889.
Phosphate buffers,
Clostridium botulinum, heat resistance 2652.
Phosphate-dissolving bacteria,
Bacillus, distribution, sediments 10815
effects on, rhizosphere soil phosphorus levels, Oryza sativa phosphorus uptake 13498.
phosphate solubilization 12387.
rhizosphere soil, effects on phosphorus levels 13495.
Phosphates,
Azotobacter chroococcum, nitrogen fixation association 13485.
biodegradation, solubilization, bacteria, fungi 7445.
effects on, Pseudomonas aeruginosa, deficient mutant, alkaline phosphatase, phospholipase C, assays 1626.
nutrient requirements, vascular permeability factor biosynthesis, Vibrio cholerae 237.
transport, bacteria, mutants, alleles, genetic analysis 1355.
Phosphatidate cytidyltransferase,
Escherichia coli defective mutant, association, phosphatidylethanolamine methyltransferase, phosphatidylglycerophosphatase, precursors 6655.
Phosphatidylcholine,
composition, hydrogen-oxidizing bacteria 4081
hydrolysis immobilized enzymes, phospholipase C, phospholipase D 5767.
liposomes, sucrose leakage, Escherichia coli endotoxins effects on 5170.
vesicles+bacteriorhodopsin, lipid bilayers, characterization, freeze-fracture, conferences 2690
Phosphatidylethanolamine methyltransferase,
precursors, Escherichia coli defective mutant, association phosphatidate cytidyltransferase 6655.
Phosphatidylglycerol,
temperature-sensitive mutant, glycolipids characterization, Escherichia coli 4952.
Phosphatidylglycerophosphatase,
levels, Escherichia coli, pgsA gene, clones 1602.
precursors, Escherichia coli defective mutant, association phosphatidate cytidyltransferase 6655.
Phosphatidylserine synthase,
biosynthesis, Bacillus licheniformis, Bacillus subtilis, characterization 1523.
Clostridium perfringens, purification, characterization 12636.
Phospho-2-keto-3-deoxy-heptonate aldolase,
Escherichia coli, isoenzymes, amino acid sequence 6628.
Pseudomonas aureofaciens, enzymatic activity, amino acids effects on 1493.
Phosphocarrier protein,
N.M.R., Streptococcus lactis, Streptococcus faecalis, Bacillus subtilis, Escherichia coli 7526
phosphoenolpyruvate-protein phosphotransferase phosphorylation, mechanisms, Escherichia coli 7580
X-ray crystallography, Escherichia coli 7591.
Phosphocholine,
antibodies, mice, Proteus morganii, characterization heterogeneity, classes, idiotypes 10225.
Phosphodiesterase I,
Bacillus subtilis, activity, nucleotides deficiency effects on 6632.
Escherichia coli, enzymatic activity, polyamines effects on 1366.
Phosphoenolpyruvate,
Escherichia coli, genes, cloning, amino acid sequence, nucleotide sequence 7652.
+phosphotransferase complex, association, trehalose specificity subunits, Vibrio parahaemolyticus 11172.
Phosphoenolpyruvate carboxykinase (ATP),
Escherichia coli, temperature-sensitive mutant, biosynthesis, activity 4858.
Phosphoenolpyruvate carboxylase,
activity, Brevibacterium flavum 11210.
Escherichia coli, kinetics, effectors 6650
Phosphoenolpyruvate fructose phosphotransferase,
Megasphaera elsdenii, characterization, uptake, sugars 2799.
Phosphoenolpyruvate-fructose phosphotransferase,
Pseudomonas aeruginosa, purification, activity 6658.
Salmonella typhimurium, characterization, catabolite repression resistant mutant 8698
Salmonella typhimurium, regulation, carbohydrate metabolism 8464.
Streptococcus mutans, sucrose transport, continuous culture 6495.
systems, Escherichia coli, association lactose permease activity 12646.
Phosphoenolpyruvate-protein phosphotransferase,
magnesium, manganese effects on dimerization, phosphorylation, Escherichia coli 7579.
mechanisms phosphocarrier protein phosphorylation, Escherichia coli 7580.
Phosphoenolpyruvate-sugar phosphotransferase,
Salmonella typhimurium, proteins, isolation, characterization, methodology 1491.

6-Phosphofructokinase,
Bacillus stearothermophilus, mechanisms 1549.
purification, characterization, Streptococcus thermophilus 4928.
regulation activity, Escherichia coli 4003.
Streptococcus thermophilus, purification, characterization 4004.
Phosphogluconate dehydrogenase,
allozymes, selection, genes, transduction, Escherichia coli 1588.
interaction Cibacron blue 3G-A, Bacillus stearothermophilus 11164.
2-Phosphoglycerate phosphatase,
Veillonella alcalescens, purification, characterization 192.
Phospholipase,
Bacillus cereus, Clostridium perfringens, activity, meat, glucose broth 4223.
Phospholipase A,
Escherichia coli biosynthesis, role pathogenicity 8867.
interaction, Rickettsia prowazekii survival, infection, L Cells immune response 11596.
Phospholipase A_2,
effects on Escherichia coli phospholipids 8642.
Phospholipase A1,
Streptococcus mutans, extracellular levels, activity 8595.
Phospholipase B,
activity, role carbohydrates side chains, Penicillium notatum 3973
Phospholipase C,
bacteria, effects on sphingomyelin hydrolysis 12652.
bacteria exotoxins, use, probes, platelets membranes phospholipids organization 11480
biosynthesis, Pseudomonas aeruginosa, urinary tract isolates, measuring techniques 8557.
hydrolysis immobilized enzymes, sphingomyelin phosphodiesterase, phosphatidylcholine 5767.
phospholipid degradation, envelopes mutants, Escherichia coli 6630.
Pseudomonas aeruginosa, deficient mutant, assays, phosphates, effects on 1626.
purification, characterization, Pseudomonas aeruginosa 12640.
reconstitution, erythrocytes ghosts, inhibition, anions, Bacillus cereus 11163.
Phospholipase D,
hydrolysis immobilized enzymes, sphingomyelin phosphodiesterase, phosphatidylcholine 5767.
Streptomyces cinnamomeus, chromatography 12633.
Phospholipid composition,
Bacillus subtilis, mutants, fatty acid composition, sporulation, methanol, ethanol, effects on 1574.
Escherichia coli, fatty acids auxotrophs, carbon sources effects on 3856.
light, effects on, Mycobacterium smegmatis, growth 8445.
Mycobacterium smegmatis, lipid composition, growth, glycine, effects on 1573.
Rhodopseudomonas sphaeroides, membranes, light intensity effects on 8376.
Phospholipid degradation,
phospholipase C, envelopes mutants, Escherichia coli 6630.
Phospholipid turnover,
Streptomyces griseus 1570.
Phospholipids,
antigenic relationship, bacteria, taxonomic significance 8322.
Bacillus brevis, gramicidin S interaction 11415.
bacteria, effects on macrophages activity, mice 7947.
biosynthesis, Escherichia coli, role adenylate kinase 8624.
effects on D-lactate dehydrogenase activation, plasma membranes, Escherichia coli 4917
Escherichia coli, characterization 11231
Escherichia coli, metabolism, glucose media 2835
Escherichia coli, phospholipase A_2 effects on 8642.
membranes, enzymes biosynthesis, regulation, Mycobacterium smegmatis 9806
Microsporum, temperature effects on 8644.
Mycobacterium rubrum, fatty acid composition 12714.
Mycoplasma arginini membranes, crystallization, role, cholesterol 11237.
Pseudomonas solanacearum, structure, fatty acid composition 11233.
relationship antigenic characteristics, serological tests, sexually-transmitted diseases 7907.
Rhodopseudomonas sphaeroides photosynthesis membranes, topography 1568.
Staphylococcus aureus, fatty acid composition, methicillin effects on 8382.
Streptomyces griseus, fatty acid composition, relationship, growth 4080.
vesicles, ganglioside Gm1 receptors, Vibrio cholerae, toxins binding, agglutination 7887.
vesicles, models membranes, vesicles, toxins binding ganglioside Gm1 receptors, quasielastic light scattering 7888
Phosphomicin,
treatment, gastroenteritis, Salmonella, man 2031.
N-(Phosphonacetyl)-L-aspartate,
effects on aspartate carbamoyltransferase quaternary structure, X-ray diffraction, Escherichia coli 5791.
N-(Phosphonacetyl)-L-aspartic acid,
binding aspartate carbamoyltransferase, effects on conformation, allosteric properties, spectroscopy, Escherichia coli 9739.
Phosphorescence,
alkaline phosphatase, Escherichia coli 4911.
conformational analysis, tRNA, Escherichia coli 6586.
Phosphoribosylpyrophosphate synthetase,
Salmonella typhimurium defective mutant, activity 12686.
Phosphoribosyltransferase,
activity, genetic relationship, purines transport, Salmonella typhimurium 1357.
Phosphorite,
uranium, solubilization, lactic acid bacteria 10948.
Phosphoroclastic system,
Clostridium sporogenes, ATP levels, inhibition, nitric oxide 1412.
Phosphorous cycle,
free-living, attachment, bacteria effects on, aquatic environment 6447.
Phosphorus,
analogs, pA-(AcMetGly), interaction, tRNA Phe, Escherichia coli ribosomes 177
availability, flooded soils, Azolla, Aulosira, soil amendments, effects on 2471.
distribution, Bacillus coagulans spores, electron probe analysis 87.
effects on growth, nutrient uptake, Trifolium repens, Lotus pedunculatus, ± Rhizobium, ± nitrate 1172
effects on, nitrogen fixation, growth, Glycine max 2458
effects on nitrogen fixation, Medicago sativa 1204.
effects on nodulation, nitrogen fixation, Cicer arietinum 10764
fertilizers, effects on Rhizobium trifolii nodulation, nitrogen fixation, Trifolium repens 12152
leaching, mineralization, soils (volcanic), Achromobacter delicatulus 13489
Phosphorus, (continued)
levels, rhizosphere soil, phosphate-dissolving bacteria effects on 13495.
localization, Bacillus megaterium spores 5607.
nutrient availability, growth, Rhizobium 8403.
nutrient sources, Azotobacter vinelandii, alginate production 7.
nutrition, growth, Rhizobium japonicum 8405.
precipitation, use aluminum chloride, effects on bacteria 3741.
requirements, association, nitrogen fixation, Rhizobium nodules, Glycine max, Vigna unguiculata 5535.
rhizosphere soil levels, Oryza sativa uptake, phosphate-dissolving bacteria effects on 13498.
solubilization, characterization, Bacillus polymyxa, Pseudomonas putida 4960.
uptake, innoculation effects on, Eleusine coracana, Glomus fasciculatus, Bacillus circulans 9453.
uptake, mycorrhizas, nodulation, nitrogen fixation, growth, Trifolium subterraneum 4622.
Phosphorus cycle,
nutrient dynamics, leaf litter decomposition, USA, Great Dismal Swamp 9469.
Phosphorus-31,
N.M.R., photophosphorylation, Chromatium vinosum 11027.
Phosphorylation,
Acinetobacter, electron transport chain, role, cytochrome o, cytochrome d 2688.
gluconate, Streptococcus faecalis, enzymes role 11229.
glucose, enzymes, Streptococcus mutans, Streptococcus salivarius, Streptococcus sanguis, comparison 5779.
glucose, mutants, Salmonella typhimurium, activity 1356.
glucose, transport, Brevibacterium flavum 12467.
phosphocarrier protein, phosphoenolpyruvate-protein phosphotransferase, mechanisms, Escherichia coli 7580.
phosphoenolpyruvate-protein phosphotransferase, magnesium, manganese effects on, Escherichia coli 7579.
protein kinase, phosphatase, multiple forms, Salmonella typhimurium, characterization 7612.
serine transport, anaerobic respiration, trimethylamine oxide, Proteus 5660.
Phosphorylribosyl pyrophosphate,
effects on, glutamine synthetase, enzymatic activity, biosynthesis, Bacillus licheniformis 201.
Phosphotransferase,
+phosphoenolpyruvate complex, association, trehalose specificity subunits, Vibrio parahaemolyticus 11172.
purification, characterization, carbohydrates transport, Escherichia coli 1541.
regulation, galactose metabolism, Streptococcus lactis, characterization 6637.
substrates, chemotaxis, Escherichia coli, Salmonella typhimurium, role methylation 5637.
Photoaffinity labelling,
2-N-chloroamino-2-deoxypentitol 1,5-bisphosphate, ribulosebisphosphate carboxylase, Rhodospirillum rubrum 11178.
citrate (pro-3S)-lyase, p-azidobenzoyl coenzyme A, Klebsiella pneumoniae 11196.
N,N'-bis-(4-azidobenzoyl) glutathione disulfide, glutaredoxin, Escherichia coli 12553.
puromycin analogs, ribosomes, Escherichia coli 12527.
puromycin analogs, ribosomes, Escherichia coli 12528
ribosomes, puromycin, electron microscopy, Escherichia coli 8497.
Photobacterium,
fish, organoleptic evaluation, effects on 9334.
Photobacterium fischeri,
camphor inhibition bioluminescence, effects on, luciferase 7488.
luminescence, cytochromes inhibitors effects on 12493.
Photobacterium leignathi,
luciferase, electron microscopy, structure 12472.
Photobacterium leiognathi,
mitomycin C, U.V. radiation, nalidixic acid, bioluminescence induction, DNA biosynthesis, inhibitors, damage 7486.
symbionts, Leiognathus splendens, comparison, gene products superoxide dismutase, coevolution 6323.
Photobacterium mandapamensis,
luminescence 12494.
pyruvic acid, biosynthesis, kinetics 12694.
Photobacterium phosphoreum,
bioluminescence, mycotoxins, effects on, bioassays, methodology 12476.
fatty acid reductase, purification, characterization 4913.
lipopolysaccharides characterization 9792.
luciferase, localization 12482.
lumazine protein, association luciferase, Vibrio harveyi, fluorescence, ultracentrifugation 4907.
Photochemistry,
bacteriorhodopsin, purple membranes, pH effects, protons pumps, Halobacterium halobium 2675
lasers, cytochrome c oxidase, Bacillus subtilis, Azotobacter vinelandii, Escherichia coli, Pseudomonas putida 2753.
photons, ratio, purple membranes, bacteriorhodopsin, Halobacterium halobium 3887.
Rhodospirillum rubrum chromatophores, quinone effects on 7851.
Photochromogenicity,
Mycobacterium, identification 1308.
Photocycles,
Halobacterium halobium, bacteriorhodopsin, kinetics 1424.
pathway, bacteriorhodopsin, Halobacterium halobium 12500.
pigments identification, Halobacterium halobium 12498.
Photoelectric properties,
bacteriorhodopsin, reconstitution, models membranes, Halobacterium halobium 7479.
Photography,
films, use, gelatin tests, bacteria, Voges-Proskauer test, methodology 10871.
Photoinactivation,
Erio acid red XB 400 dye, antibacterial activity, Bacillus thuringiensis, spores 3101.
Streptococcus mutans, Streptococcus sanguis, glucosyltransferase 180.
Photoinduction,
damage repair mechanisms, Escherichia coli acriflavin sensitivity, liquid culture effects on 7866.
halorhodopsin, membranes, Halobacterium halobium 4787.
Photolysis,
Escherichia coli cytochrome D, temperature effects on 12488
Photometry,
drug sensitivity testing, Mycobacterium 11446.
growth, Mycobacterium, role drug sensitivity testing 8855.

Photons,
- photochemistry, ratio, purple membranes, bacteriorhodopsin, Halobacterium halobium 3887

Photooxidation,
- elongation factor Tu histidine residues, Escherichia coli 3945

Photophosphorylation,
- bacteria, photosynthetic apparatus, evolution 6564
- Chromatium vinosum, phosphorus-31, N M.R 11027
- membrane vesicles, Halobacterium halobium 11026

Photoprotection,
- U.V radiation, role rel gene, 4-thiouridine, Escherichia coli 7641

Photoreactivation,
- induction DNA repair, U.V radiation damage DNA 11047

Photorophic bacteria,
- chromatophores, bacteria, chlorophylls, quantitation 11035

Photosensitivity,
- Micrococcus luteus, carotenoids deficient mutant, relationship, menaquinone destruction 1418

Photosensitization,
- cytotoxicity, Tagetes α-terthienyl, Escherichia coli 7854

Photosynthate,
- association, distribution, senescence, Rhizobium meliloti, Medicago sativa 2446

Photosynthesis,
- bacteria, reaction centers, N M R 12481
- carbon dioxide gas exchange, Pisum sativum, selection, association, growth, nitrogen fixation 8169
- carotenoids, Rhodopseudomonas sphaeroides, Raman spectroscopy, methodology 12487
- Chlorobium limicola, hydrogen production, membrane vesicles 8471
- Chromatium vinosum, iron-sulfur centers, inhibition, quinone analogs 7484
- membrane potential, measurement, methodology, Rhodopseudomonas capsulata 2685
- membranes, Rhodopseudomonas sphaeroides, phospholipids topography 1568
- models, dynamics, electron transfer, reaction centers, bacteria 8476
- Oryza sativa, cultivars, chlorophyll a, chlorophyll b, susceptibility, Xanthomonas oryzae, blight, effects on 3666
- phytoplankton, carbon, uptake, heterotrophic bacteria, lakes, Sweden 12167
- Pisum sativum, nitrogen fixation, Rhizobium leguminosarum, association 6429
- rates, estimation, use antibiotics, mixed culture, algae, heterotrophic bacteria 12366
- reaction centers, purification, crystallization, Rhodopseudomonas viridis 9725
- recombination dynamics, Rhodopseudomonas sphaeroides 12486
- Rhodopseudomonas sphaeroides, acceptors quinone complex, association, oxidation-reduction potential 8472
- Rhodopseudomonas sphaeroides reaction centers, E S R 140
- Rhodopseudomonas sphaeroides, thylakoids proteins, purification 3946
- Rhodopseudomonas viridis, reaction centers, electron transfer 12491
- Rhodospirillum rubrum, mutants, electron transport, E.S.R 4773
- role iron-sulfur centers, chromatophores, E.S.R . Chromatium vinosum 4781
- thylakoids proteins, characterization, Rhodopseudomonas sphaeroides 3947
- Triticum aestivum, Septoria nodorum-Xanthomonas translucens, Pseudomonas cepacia, effects on 1141

Photosynthetic apparatus,
- bacteria, photophosphorylation, evolution 6564
- reaction centers, iron sites, X-ray absorption, Rhodopseudomonas sphaeroides 6558
- Rhodospirillum rubrum, chromatophores, I.R spectroscopy 12489

Photosynthetic membranes,
- biosynthesis, Rhodospirillaceae, reviews 8473

Phototaxis,
- Halobacterium halobium, methylation calcium ions role 10949
- Halobacterium halobium, role, calcium, methylation 8393
- Halobacterium halobium, role, protons,
- role, methylation, Halobacterium halobium 12330

Photothidiazuron,
- biodegradation, fungi, bacteria, algae 9612

Phototoxicity,
- angelicin derivatives, guinea-pigs 11456

Phototrophic bacteria,
- algae, ecosystem dynamics, ecological distribution, lakes 8229
- Anabaena cylindrica, hydrogen production, reviews 2843
- biosynthesis, citrulline, carbamoyl phosphate 12560
- membrane structure, differentiation, growth conditions, electron transport, Rhodospirillales 8469
- , nitrogenase, dissolved oxygen, effects on 1548
- role, sulfur, cycles, lakes 2492.
- taxonomy 8336

Phototrophy,
- thiamine, pigmentation, regulation, plasmids, Erwinia herbicola 12448

Photoytophic bacteria,
- biosynthesis, lakes 3736

Phyllody,
- Microplasma, Carthamus tinctoria, disease transmission, Neolaiturus fenestratus 12097

Phylloplane,
- microflora, yeasts, bacteria, population dynamics, seasonal variations, Malus pumila 4627
- U V radiation sterilization, bacteria microflora populations 10875

Phylloplanes,
- bacteria epiphytes, ecological distribution 12121

Phyllosphere,
- Corchorus capsularis, bacteria, fungi, antagonism, Colletotrichum corchori, in vitro 9425
- nitrogen fixation, nitrogen-fixing bacteria, surveys, India 6428

Phylogeny,
- Acetobacterium woodii, Clostridium, Eubacterium, rRNA 1449
- actinomycetes 4709
- methylotrophic bacteria, proteins, electrophoresis 12263
- nitrogenase iron protein, Azotobacter vinelandii, Clostridium pasteurianum, Anabaena, Klebsiella pneumoniae 7534.

Phymatotrichum omnivorum,
- susceptibility, Pseudomonas pigments, characterization 5697

Physarum polycephalum,
- rRNA gene, introns, nucleotide sequence, homology, Escherichia coli 160.
- rRNA genes, cloning, characterization 2715.

Physical properties,
- antigens, Treponema denticola, chemical analysis 10147
- wood, wetwood, bacteria association dieback, Abies alba 10754

Physicochemical properties,
- adenosinetriphosphatase γ-subunit, Escherichia coli 8554
- Amblyosporium spongiosum antibiotic 8006-I 7718
- antibiotic K-52B, characterization 5041
- characterization, cholesterol oxidase, Nocardia rhodochrous 9748
- coastal waters, bacteria, heterotrophs, relationship phytoplankton biomass 8234
- cobalt-porphyrin proteins, Desulfovibrio desulfuricans 6612.
- dam gene DNA methyltransferase, Escherichia coli 7613
- DNA (adenosine-6-)-methyltransferase, Haemophilus parainfluenzae 12509
- DNA glycosylase, reviews 7605
- drinking water, pollution monitoring, microbial pollution 6442.
- endo-N-acetylglucoseaminidase, biosynthesis, Streptomyces levoris 12657
- endodeoxyribonuclease, Escherichia coli 6615
- Eupenicillium abidjanum antibiotic FA-2097 7811
- δ-hemolysin, fluorescence, gel filtration, Staphylococcus aureus 5151.
- lamB gene protein, structure, Escherichia coli 12555.
- lipids, Rhodococcus erythropolis, surfactants, activity 12710.
- nuclease, Thermus thermophilus 5754.
- oils emulsions, Citrobacter freundii biodegradation 11016
- paddy fields, diurnal variations, bacteria colonies 8238
- proteinase I, Achromobacter lyticus 3980
- proteinase, structure, evolution, spore-forming bacteria 12581
- ribosomal proteins, Bacillus subtilis, Micrococcus lysodeikticus 12550.
- ribosomal proteins, Streptomyces granaticolor, comparison Escherichia coli 4819
- ribosomal subunit 30S, Escherichia coli 9689
- Salmonella typhimurium cell surface, Immunoglobulin A, dinitrophenol, binding, effects on 1330
- Staphylococcus aureus α-toxin 5172.
- succinate dehydrogenase, anions effects on, cytoplasmic membranes, Escherichia coli 11162

Physiology,
- Acinetobacter calcoaceticus, oxidation, 3-chlorobenzoate 10988
- Bacillus cereus, growth, metabolism 12411.
- colon microflora effects on, intestine epithelium, man 11659
- Corynebacterium beticola, morphology, chemical analysis, taxonomy 9545.
- Dermacentor andersoni, association, virulence, Rickettsia rickettsii, ultrastructure, electron microscopy 9383
- infection, Prunus armeniaca, Pseudomonas syringae 2408
- Pseudomonas pseudoflava, cultural characteristics, hydrogenase 5658
- putrescine, hemolymph, Heliothis zea 8127.
- selenium oxide effects on, Clostridium pasteurianum, fractionation association 12329
- Streptococcus, Aerococcus, identification, serotyping, clinical aspects, methodology 10907
- Streptococcus viridans, association, speciation 12280
- synergism, methane production, bacteria 9813
- Thiobacillus ferrooxidans mutants, copper ions, tolerance 6853
- Thiomicrospira, deep sea hydrothermal vents, isolation, characterization 5676.
- Xanthomonas campestris pv translucens, infection, triticale 10741

Physiology tolerance,
- bacterioplankton, community composition, Alaska 1246.

Physiopathology,
- Reiter's disease, etiology, bacteria, factors affecting, man 11949

3-Phytase,
- Bacillus subtilis, purification, characterization 12634.

Phythium ultimum,
- decay, Daucus carota 4602

Phytic acid,
- intestinal microflora metabolism, gnotobiotics, rats 9328

Phytoalexins,
- antibacterial activity, drug sensitivity testing, gram-negative bacteria, gram-positive bacteria 5133
- effects on, Xanthomonas campestris pv malvacearum, disease resistance, Gossypium hirsutum 13442
- glyceollin, Glycine max biosynthesis, cell culture, induction, Pseudomonas syringae 12110
- Glycine max, characterization, antibacterial activity 3102.
- Ipomoea batatas, biosynthesis, pathogens infection effects on 8143.
- plants, induction, role bacteria, antibacterial activity 8147
- production, relationship, Rhizobium japonicum interaction Macrophomina phaseolina, Glycine max 4636

Phytohemagglutinin,
- response, lymphocytes, Brucella abortus antigens effects on, cattle 605
- Streptococcus equi, lymphocytes stimulation, horses 11608.

Phytomonas,
- Cocos nucifera wilt, experimental infection, disease transmission, epidemiology, Trinidad 8139

Phytophthora cinnamomi,
- hyphae, bacteria colonization, lysis, soil leachates media (culture) 3678.
- lysis, colonization, bacteria, Eucalyptus marginata leaf litter 1155.

Phytophthora megasperma,
- susceptibility, Pseudomonas pigments, characterization 5697

Phytoplankton,
- biodegradation, bacteria 135
- biodegradation, bacteria, urea, levels, eutrophication, seasonal variations, lakes 3743
- biomass, relationship bacteria, heterotrophs, physicochemical properties, coastal waters 8234
- decomposition, bacterioplankton population dynamics, succession 2496.
- exudates, metabolites, primary production, utilization, bacteria 10813.
- orthophosphate uptake, metabolism, seasonal variations, USA, California Coast 2484
- photosynthesis, carbon, uptake, heterotrophic bacteria, lakes, Sweden 12167.
- primary production, bacteria, biogeochemistry cycles, seasonal variations, lakes 8235
- primary production, size distribution, exudates, nutrient sources, bacteria, coastal environment, eutrophic environments 12163

Phytosterol,
- transformation, androsta 1,4-diene-3,17-dione, Arthrobacter simplex, characterization 11234

Phytotoxicity,
- crop fields, Zea mays, soil, Nitrosomonas, nitrification, mineralization 6423.
- Pseudomonas syringae, coronatine biosynthesis, taxonomic significance 10073

Phytotoxin,
- biosynthesis, bacteria association, Pierces' disease, plants 11486.

Phytotoxins,
Corynebacterium insidiosum, assays, wilt, Medicago 7877.
Picea,
gram-negative bacteria, gram-positive bacteria, resins, effects on 1769.
rhizosphere, sulfur nutrient cycles, sulfate-reducing bacteria, Thiobacillus 10793.
Picea mariana,
soil, humic acids, Serratia marcescens, nitrogen, effects on 3724.
Picea pungens,
shoot blight, Sirococcus strobilinus, USA, North Carolina, new records 9388.
α-**Picolinic acid,**
Alcaligenes, biodegradation 5642
Pierces' disease,
plants, association, bacteria phytotoxin biosynthesis, plants, Pierces' disease, association, bacteria phytotoxin biosynthesis 11486.
Pierce's disease,
bacteria, relationship Citrus blight 13441.
bacteria, Vitis, climatic conditions effects on infection 9390.
Vitis rotundifolia, association, Rickettsia-like organisms, characterization, USA, North Carolina 9391
Vitis vinifera cultivars, susceptibility 2410.
Pieris rapae,
gut epithelium, histopathology, Bacillus thuringiensis δ-endotoxin 10096.
hemolymph histopathology, toxicity, Bacillus thuringiensis δ-endotoxin 10095.
Pigeons,
carriers, Campylobacter fetus subsp.jejuni isolation, feces 4556.
Pigmentation,
nodules, use, competition analysis, Vigna unguiculata, Rhizobium 10781.
plasma, association, heartwater, goats, Cowdria ruminantium infection 9345.
thiamine phototrophy, regulation, plasmids, Erwinia herbicola 12448.
Pigments,
Actinomycetes, biosynthesis, humus like 12497
Bacillus+Streptomyces propurpuratus, mixed culture, biosynthesis 1429.
biosynthesis activity, Serratia marcescens, conjugation, transfer 9852.
biosynthesis, Serratia marcescens, relationship, antibiotic resistance 5951.
identification, photocycles, Halobacterium halobium 12498.
mixed culture, production, Streptomyces propurpuratus, Bacillus, neopurpuratin, characterization 6563.
Mycobacterium intracellulare, Mycobacterium scrofulaceum, identification 5595.
production, Streptococcus bovis, continuous culture, glucose 11034.
Prosthecochloris aestuarii, reaction centers, bacteriochlorophylls, spectrophotometry 7483
Pseudomonas, antifungal activity, susceptibility, fungi, characterization 5697.
Pseudomonas fluorescens, chelating agents, fungistasis, Geotrichum candidum 11036
Pseudomonas, structure 6561.
Staphylococcus, biosynthesis, detection methodology 4793.
Streptococcus bovis, continuous culture, carbon dioxide, pH, effects on, production 11033
Streptomyces, production relationship heavy metals resistance, copper resistance, soil pollution 7871.
Streptomyces viridochromogenes, production, liquid culture 8480.
Pigs,
abortion, association, Nocardia asteroides, case reports 6371.
abortion, Chlamydia, etiology, differential diagnosis 5473.
abscesses, anaerobic bacteria, isolation 8094
abscesses, ecology, bacteria 5474.
agalactia, Escherichia coli, Streptococcus equisimilis, Staphylococcus epidermidis 1112
animal isolates, Erysipelothrix rhusiopathiae, methodology, detection, isolation 4706
animal isolates, Escherichia coli, antibiotic resistance, polymyxins 5119.
animal isolates, Escherichia coli, transfer, R factors, Ent plasmid, enterotoxins 5014
animal models, Streptococcus pneumoniae elimination, lung, atelectasis 1972.
animal wastes, land disposal, association, survival, Salmonella havana, feces coliforms 2459
animal wastes, soil pollution, indicator species, bacteria 4632.
arthritis, antibody response, experimental infection, Mycoplasma hyopneumoniae 2210
Ascaris suum, experimental infection, Salmonellosis, effects on 3577.
atrophic rhinitis, etiology, association, detection antibodies, Mycoplasma hyorhinis, Mycoplasma hyopneumoniae 7229.
atrophic rhinitis, etiology, immune response, Bordetella bronchiseptica 1061.
Bordetella bronchiseptica, atrophic rhinitis, histopathology 3585.
Bordetella bronchiseptica experimental infection, ammonia effects on 1075.
Bordetella bronchiseptica vaccination, antibody response 625
buildings, airborne microorganisms, fungi, bacteria 3746.
caecum, Escherichia coli, ampicillin antibiotic resistance 10639.
carcasses, incidence, bacteria abscesses, abattoirs 1093.
colibacillosis, Escherichia coli endotoxins effects on cardiovascular system, 5-hydroxytryptamine levels 11494.
digestive tract infection, Escherichia coli, antibiotics treatment 6202.
dysentery, animal isolates, Treponema hyodysenteriae, drug sensitivity testing 10023
dysentery, bacteria 9347.
dysentery, Treponema, immunity 10172.
endocarditis, Streptococcus, lesions development 8103.
enteritis, Campylobacter fetus subsp.coli, isolation, intestine, characterization 6375
erysipelas, treatment, vaccination 4329.
Erysipelothrix rhusiopathiae, serotypes, incidence, USA, USA, Puerto Rico 1319.
Erysipelothrix rhusiopathiae vaccination, susceptibility, infection 626.
Erysipelothrix rhusiopathiae vaccination+medicine feed additives, swine erysipelas prophylaxis, immune response 5255.
Escherichia coli, clinical isolates, enterotoxins, hemagglutination colonization factor 1835
Escherichia coli, enterotoxins, induction, intestine secretion, inhibition, nicotinic acid 1838
Escherichia coli, enterotoxins, man, identification, gel diffusion 3127
Escherichia coli, isolation, abattoirs 3604
Escherichia coli pathogenesis,-relationship, enterotoxins biosynthesis 475
Escherichia coli plasmids, enterotoxins, antigen K, colicins, relationship, epidemiology 9863
Escherichia coli, septicemia, diagnosis 4581
experimental infection, Barodetella bronchiseptica, ± Pasteurella multocida, atrophic rhinitis, etiology 10713.
Pigs, (continued)
feces, isolation, Salmonella, media (enrichment) 7361.
feeds, oxytetracycline, macrolide antibiotics, relationship, antibiotic resistance, Staphylococcus aureus, occupational exposure, man 4193.
fibers, food additives, effects on gastrointestinal tract bacteria 8081.
field trials, Haemophilus parahaemolyticus, vaccines 10255.
Fusarium, T-2 toxin, F-2 toxin, DAS toxin effects on glucocorticoids, intestinal microflora 12035.
gnotobiotics (specific pathogen free), swine dysentery, Treponema hyodysenteriae± aflatoxins, food additives, effects on 2376.
gnotobiotics (specific pathogen free), swine dysentery, Treponema hyodysenteriae, identification 6339.
Haemophilus parahaemolyricus vaccination, pleuropneumonia 665.
Haemophilus parahaemolyticus infection, diagnosis, latex agglutination 5188.
Haemophilus pleuropneumoniae, infection, diagnosis, pathology, clinical aspects, treatment 1079.
hemorrhagic enteritis, Campylobacter sputorum subsp.mucosalis, isolation, identification 13386.
immune response, Treponema hyodysenteriae, swine dysentery 6098.
incidence, antibiotic resistance, Escherichia coli, British Isles 3063.
infection, Acholeplasma laidlawii, Acholeplasma granularum, immunodiagnosis 8116.
infection, Haemophilus pleuropneumoniae, diagnosis, association, complement fixation, evaluation 8277.
infection, serological surveys 4582.
infection, Streptococcus group E, detection, agglutinins, association, agglutination 8273.
intestinal microflora, Bacillus subtilis food additives effects on 12041.
juveniles, Bordetella bronchiseptica infection, oxytetracycline treatment 12081.
juveniles, Bordetella bronchiseptica isolation, drug resistance, association R factors 6850.
juveniles, Coccidia, mixed infection, enteritis, bacteria, diarrhea 2343.
juveniles, enterotoxemia treatment, Rhodovet powder+aspirin 6350.
juveniles, Escherichia coli, vaccination, pregnancy, antibody response, maternal transfer, immunity (passive) 5257.
juveniles, heart, Escherichia coli endotoxins effects on 483.
juveniles, intestine, endotoxins, Escherichia coli, absorption, characterization 6020.
juveniles, oral cavity infection, Campylobacter sputorum subsp.mucosalis, pathogenesis 7232.
juveniles, pneumonia, Mycoplasma hyopneumoniae, treatment, lincomycin, tylosin 7276.
juveniles, salmonellosis, experimental infection, association, leukocytes (neutrophilic) adherence 5216.
Leptospira interrogans antibodies, incidence, levels, British Isles 602.
Leptospira interrogans ser.pomona infection, Mus musculus, role, epidemiology 12076.
Leptospira tarassovi, infection, treatment 4546.
leptospirosis, kidney, prophylaxis, Leptospira interrogans ser.pomona vaccination 1950.
lymph nodes, Mycobacterium, isolation, environments 8091.
macrophages, monocytes, testis, lavage cells, Haemophilus parahaemolyticus effects on 1812
macrophages phagocytosis, vibrio cholerae live vaccines effects on 9033.
mammary gland abscesses, Corynebacterium pyogenes, Streptococcus, Staphylococcus, Bacteroides, Clostridium 5477.
manure inoculum, association, starter cultures, Bacillus, isolation, characterization 10851.
mastitis-metritis-agalactia syndrome, prophylaxis, antibiotics, feeds 5454.
milk, colostrum, antibacterial activity, Escherichia coli 8848.
mucin, effects on, Escherichia coli experimental infection, muscles, mice 7217.
mycobacteriosis, Mycobacterium avium-intracellulare serotypes, South Africa Rep. 6144
Mycoplasma flocculare isolation, USA 1083.
Mycoplasma hyopneumoniae, infection,
Mycoplasma hyopneumoniae, infection, vaccination, immune response 1892.
neonates, coccidiosis, isolation, Escherichia coli, viruses, Canada 8088.
neonates, diarrhea, Escherichia coli, antibacterial activity, colostrum, immunity 4580.
neonates, milk, colostrum, antibody response, Escherichia coli 5235.
Nocardia asteroides, infection, lung, association, abortion 4562.
normal subjects, tonsil, isolation, Yersinia enterozolitica, Yersinia pseudotuberculosis, seasonal variations 9358.
nose, Bordetella bronchiseptica, isolation, media (selective) 1255.
pancreas, α-amylase inhibitors, Streptomyces griseosporeus, isolation, characterization 3804.
Pasteurella multocida, pneumonia, incidence, seasonal variations 2356.
pleuropneumonia, Haemophilus parahaemolyticus, pathogenesis, clinical aspects 10645.
pleuropneumonia, Haemophilus pleuropneumoniae, epidemiology 9362.
pneumonia, differential diagnosis, Haemophilus pleuropneumoniae, Haemophilus parasuis, Pasteurella haemolytica like microorganisms, gnotobiotics (specific pathogen free) 3589.
pneumonia, etiology, Pasteurella multocida 8102
pneumonia, Haemophilus pleuropneumoniae, animal isolates, antibacterial agents, susceptibility 5904
pneumonia, treatment, lincomycin, tylosin, Mycoplasma 2335.
pregnancy, vaccination, live Escherichia coli, immunoglobulin A, serum levels 4339.
production, gnotobiotics, relationship, antigens 10728.
prophylaxis, hog cholera, swine erysipelas, combined vaccines, hog cholera virus+Erysipelothrix rhusiopathiae, field trials 632.
propranolol, effects on, intestine, secretion, Escherichia coli, enterotoxins, pigs 11525.
Salmonella, epidemiology 2377.
Salmonella, infection, diagnosis, disease transmission, man, abbattoirs 3606.
salmonellosis, experimental infection, leukocytes (neutrophilic), bactericidal activity 5226.
scours, γ-globulins treatment 8086.
sepsis, Pseudomonas aeruginosa infection, lung immune clearance 13024.
seroepidemiology, Escherichia coli enterotoxins 11518.
serum, antitoxins, levels, Escherichia coli, vaccination, effects on 1885
slurries, biodegradation, sewage treatment models, ponds 7345.
slurries, biosynthesis, Clostridium botulinum, toxins 1796.
Streptococcus animal isolates, serotyping, pathogenicity 10924.
Streptococcus RS form infection, pathology 3592.

Pigs, (continued)
- Streptococcus suis, infection, clinical aspects, pathology, reviews 6369
- streptomycin dependent Escherichia coli vaccination effects on enterotoxemia 6929
- swine dysentary, Treponema hyodysenteriae, experimental infection 10690
- swine dysentery, treatment, tylan 2380.
- throat microflora, incidence, Yersinia enterocolitica, Canada 4540
- tonsil, association, Yersinia enterocolitium, isolation methodology comparison 8264
- Treponema hyodysenteriae antibodies, detection, enzyme-linked immunosorbent assay 4301
- vaccination, Erysipelothrix rhusiopathiae, evaluation, immunization (passive), mice 13059
- vaccination, immunity, Haemophilus parasuis 13054
- Yersinia enterocolitica, infection, detection, serological surveys 3632
- zoonoses, Yersinia enterocolitica, psychrotrophic bacteria, man 9230

Pikromycin,
- structure 365

Pili,
- Acinetobacter calcoaceticus, role, adherence, hexadecane, biodegradation 12301
- Actinomyces viscosus, Actinomyces naeslundii, role, adherence, hydroxyapatite 67
- Actinomyces viscosus, lectins, detection, monoclonal antibodies 3169
- amino acid sequence, structural proteins, Escherichia coli 11104.
- antigens, Escherichia coli, diarrhea, isolates, characterization, infants, man 10145
- association, R factor R485, Escherichia coli, Shigella sonnei 12844
- Bacteroides nodosus antigens, association, vaccines, immunization, sheep, foot rot 10247
- Caulobacter vibrioides, RP1 plasmid, effects on, phage PRR1 infection, conjugation 1675
- cell walls, Neisseria gonorrhoeae, antigenic characteristics 3185
- chlorpromazine effects on conjugation, plasmids transfer, F'lac factor, R factors, Escherichia coli 5971
- Corynebacterium renale, clones isolation 8351
- development, association, plasmid R485, characterization 5875
- dissociation, octyl-glucoside use, pilin filaments formation, Pseudomonas aeruginosa 12311
- Escherichia coli, adherence, epithelium, urinary tract, association, pyelonephritis, children 3387.
- Escherichia coli, amino acid composition, subunits molecular weight, antigenic characteristics 6499
- Escherichia coli, antigens, purification, characterization, enzyme-linked immunosorbent assay 13003
- Escherichia coli, formation, catabolite repression effects on 12349
- Escherichia coli, hemagglutinins, antigenic characteristics 6885
- Escherichia coli, lectins receptors, binding sugars specificity 8381
- Escherichia coli, proteins, secondary structure, antigenic determinants 10168
- Escherichia coli, pyelonephritis, antigenic characteristics, man 10144
- Escherichia coli, role, cell agglutination 6485
- Escherichia coli, strains, interaction, leukocytes (polymorphonuclear), association, oxidative metabolism 10231
- Escherichia coli, subunits, characterization, purification 2724
- Escherichia coli, subunits proteins, assembly, characterization 1371
- Escherichia coli, urinary tract isolates, plasmids construction 89.
- formation, association, proteins localization, Escherichia coli 10936
- formation, Escherichia coli, hemagglutination, adherence, association, antigens 10156
- gonorrhea, immunogenicity, clinical trials, man, characterization 6058
- hemagglutinins, Serratia, characterization 10165
- membrane proteins biosynthesis, Escherichia coli, role, tra gene 5839
- Neisseria gonorrhoeae, antigenic characteristics, relationship, infection, experimental infection, guinea-pigs 1856.
- Neisseria gonorrhoeae, antigenic variants 8925
- Neisseria gonorrhoeae, morphology, amino acid composition, antigenic characteristics 1344
- Neisseria gonorrhoeae, purification, affinity chromatography, methodology 12227
- Neisseria gonorrhoeae, vaccination, immunity, guinea-pigs 10267
- Neisseria meningitidis, adherence, electron microscopy 10947
- phage fd, complex, Escherichia coli, membrane potential, membrane potential, ATP, effects on 1638
- phase variations, operons fusion, genes transcription, control, transitions, Escherichia coli 5843
- polar, Pseudomonas aeruginosa, ultrastructure 2629
- production, Caulobacter crescentus, association growth stage 5628
- Serratia marcescens, agglutination, isolates, urine, man 5622.
- structure, helix proteins, bacteria, viruses 1375
- thickness, Escherichia coli, role, IncI plasmid, phage PR4 adherence 11337
- Yersinia enterocolitica, role, adherence, Epithelium cells 5623.

Pilin,
- filaments formation, Pseudomonas aeruginosa, pili dissociation, octyl-glucoside use 12311.
- purification, characterization, Klebsiella pneumoniae 9699

Pimelic acid,
- Micrococcus, biosynthesis, use, oleic acid 2842.

Pimpla turionellae,
- nontarget organisms, Pimpla turionellae, Bacillus thuringiensis var. kurstaki 9385.

Pins,
- ingestion, infants, man, association, Streptococcus intermedius liver infection, ingestion, pins, infants, man, association, Streptococcus intermedius liver 10592.

Pinus banksiana,
- bacteria respiration, urea hydrolysis, effects of soil moisture 5513

Pinus kesiya,
- forests, fires, soil microorganisms, recolonization, succession 10802.

Pinus nigra,
- germination, Bacillus, effects on, antagonism, Rhizoctonia solani 8159
- leaves, microflora, bacteria, heavy metals air pollution effects on 6410.

Pinus radiata,
- Agaricales association, antibacterial activity, Staphylococcus aureus, Bacillus subtilis, Escherichia coli 7859.
- seedlings, dieback, infection, Pseudomonas syringae, identification, characterization 9417.

Pinus silvestris,
- gibberellin like substances isolation, media (culture), chemical composition effects on biosynthesis, coryneforms 9814.

Pipecolic acid amide,
- antibacterial activity, anaerobic bacteria 9979

Pipemidic acid,
- drug sensitivity testing, bacteria 1762.

Piper nignum,
- scab, Xanthomonas campestris pv.vesicatoria, relative humidity, effects on, pathogenesis 12096

Piper nigrum,
- leaves, hypersensitive response, Xanthomonas vesicatoria antibacterial agents, antibacterial agents, induction 1701
- seeds, survival, Pseudomonas syringae pv.tomato, Xanthomonas campestris pv.vesicatoria 12099.

Piperacillin,
- antibacterial activity, Chlamydia trachomatis 6806.
- antibacterial activity, clinical isolates, Enterobacteriaceae, Pseudomonas, non-fermentative gram-negative bacteria 7792.
- antibacterial activity, Escherichia coli, Streptococcus faecalis 12903.
- antibacterial activity, Pseudomonas aeruginosa 11396
- antibacterial activity, Pseudomonas aeruginosa, agar diffusion test [illegible]
- antibacterial activity, Pseudomonas, gram-negative bacteria, in vitro 356
- antibacterial activity, urinary tract infection, gram-negative bacteria, clinical trials, man 9146.
- antibiotic sensitivity testing, Pseudomonas aeruginosa, antibiotic resistance, pencillinase 3029
- antibiotic synergism, ± amikacin, ± gentamicin, antibacterial activity, Pseudomonas aeruginosa 12889
- comparison, antibacterial activity, N-formimidoyl thienamycin 337.
- comparison, N-formimidoyl thienamycin, antibacterial activity 9938.
- comparison, penicillin, treatment, gonorrhea, man 8026.
- disc-diffusion test, quality control 6807
- infection, penicillins treatment, man 11940.
- +tobramycin treatment, cystic fibrosis, Pseudomonas aeruginosa infection, man 12026.
- treatment, bacteria infection, man 9210.
- treatment, Neisseria gonorrhoeae, urethritis, comparison, benzylpenicillin, man 3420.
- treatment, pneumonia, meningitis, cerebrospinal fluid levels, man 765.
- treatment, Pseudomonas, Proteus, urinary tract infection, man 4421.

2-Piperidinoethyl-heptyloxyphenylcarbamate hydrochloride,
- antibacterial activity, Staphylococcus aureus, oxidative phosphorylation 2686.

Pipes,
- drinking water, tar, colonization, bacteria 12180.

Pirlimycin,
- antibacterial activity, Staphylococcus aureus 9978.

Piromidic acid,
- treatment, urinary tract infection, bacteria, man 3397.

Pisces,
- Clostridium botulinum, incidence, coastal waters, Java 8087.
- intestinal microflora, Clostridium perfringens 13363.
- marine environment, vibriosis, quinolines disease control 8090.

Pisum sativum,
- blight, symptoms, Pseudomonas syringae pv.pisi, identification, isolation 10742.
- disease control, Trichoderma hamatum seed treatments 1200.
- genetic factors, role, Rhizobium nodulation 4646
- nitrogen fixation, association, fruits growth, apical apparatus 9467.
- nodulation, Rhizobium leguminosarum, streptomycin resistance, effects on 9989.
- nodules, nitrogen fixation, nitrogen sources effects on 9456.
- photosynthesis, Rhizobium leguminosarum, nitrogen fixation, association 6429.
- Rhizobium leguminosarum nodules, nitrogen fixation, relationship, hydrogen metabolism 2450
- Rhizobium leguminosarum, plasmids, effects on, nitrogen fixation, nodulation 2442
- Rhizobium leguminosarum, plasmids, nodulation, transfer, host specificity 2922.
- Rhizobium leguminosarum, Rhizobium phaseoli, plasmids, transfer, nodulation, host range 2923
- Rhizobium, nodules, morphology 12134.
- rhizosphere microorganisms, bacteria, foliar applications, antibiotics, gibberellic acid, effects on 10769.
- roots, nodulation, respiration, nitrogen fixation 3687.
- selection, photosynthesis carbon dioxide gas exchange, association, growth, nitrogen fixation 8169

Pittsburgh pneumonia agent,
- Legionella micdadei, nodules, lung, man, case reports 3337.

Pituitary,
- dysfunction, man, meningitis, Staphylococcus aureus infection 13213.

Pityrosporon ovale,
- acne, measuring techniques, man 13081

Pityrosporum,
- media (selective), isolation, identification, skin, man 5557

Pityrosporum orbiculare,
- media (selective), isolation, identification, skin, man 5557

Pityrosporum ovale,
- media (selective), isolation, identification, skin, man 5557

Pityrosporum pachydenuatis,
- media (selective), isolation, identification, skin, man 5557.

Pivampicillin,
- +pivmecillinam, clinical trials, urinary tract infection, comparison, cotrimoxazole, man 6230.
- +pivmecillinam, comparison, cotrimoxazole, treatment, typhoid fever, man 9144.
- ± pivmecillinam, treatment, bacteriuria, bacteria, children 11957
- +pivmecillinam, treatment, typhoid fever, man 2038
- +pivmecillinam, treatment, urinary tract infection, bacteria, man 867.
- +pivmecillinam, treatment, urinary tract infection, Enterobacteriaceae, clinical trials, man 10396
- prophylaxis, genital tract infection, abortion, man 11814
- treatment, respiratory tract infection, man 9118.

Pivmecillinam,
- +pivampicillin, clinical trials, urinary tract infection, comparison, cotrimoxazole, man 6230.
- +pivampicillin, comparison, cotrimoxazole, treatment, typhoid fever, man 9144.
- pivampicillin, treatment, bacteriuria, bacteria, children 11957.
- +pivampicillin, treatment, typhoid fever, man 2038.
- ± pivampicillin, treatment, urinary tract infection, bacteria, man 867.
- +pivampicillin, treatment, urinary tract infection, Enterobacteriaceae, clinical trials, man 10396.
- prophylaxis, bacteriuria, prostatectomy, man 7034.

Pivmecillinam, (continued)
treatment, man, biliary tract infection 10618.
treatment, urinary tract infection, man 7040.
treatment, urinary tract recurrent infection, bacteria, complications, man 11820.
Placenta,
Brucella abortus infection, bacteria serum levels, cattle 3613.
Plague,
lung, radiology, case surveys, man 743.
man, Yersinia pestis, disease transmission, USA travelers, case reports 8073.
relationship, genetics, man 3428.
Yersinia pestis, cats, man, case reports 6173.
Yersinia pestis, clinical aspects, diagnosis, neonates, man, case reports 2218.
Yersinia pestis, seroepidemiology, Rattus rattus, Rattus norvegicus 9233.
Planctomyces,
budding bacteria, ultrastructure 8388.
Planctomyces bekefii,
characterization, taxonomy 4705.
ultrastructure 54.
Plankton,
respiration, relationship size distribution 1239.
+seawater+man feces, antibacterial activity, Escherichia coli, Salmonella typhimurium, Vibrio parahaemolyticus 1784
Planococcus,
incidence, lakes, USSR 12172.
Plant breeding,
acetylene reduction, nitrogen fixation, genotyping, Oryza sativa 8163.
Zea mays, roots exudates, carbon sources, nitrogen-fixing bacteria, rhizoplane 12119
Plant cells,
nuclease, detection, Agrobacterium tumefaciens Ti plasmid, electrophoresis 4140.
Plant communities,
nitrogen cycle, nitrifying bacteria 9468.
nitrogen fixation, nitrogen-15 levels, environmental conditions, USA, California 12139.
Plant diseases,
association, plasmids, homology, Pseudomonas, strains 12859
bacteria, disease resistance, conferences 13548.
bacteria, inoculation equipment 9395.
bacteria, role, tropism, taxis, reviews 5495.
blight, Coffee arabica, disease spread, Pseudomonas syringae, seasonal variations, rainfall effects on 9411.
blister spot, Malus pumila, susceptibility, Pseudomonas syringae, seasonal variations 9410
Citrus, viruses, bacteria, fungi, incidence, Bolivia 9405.
conferences, bacteria 13547
crops, conferences 12200.
dieback, Pinus radiata seedlings, infection, Pseudomonas syringae, identification, characterization 9417
disease control, role, international organizations 9396.
fireblight, Pyrus communis, association, Erwinia amylovora, streptomycin resistance 8806
host-pathogen interactions, nutrition, review 5496.
Mycoplasma, Malus pumila, Belgium 12094.
Pseudomonas fluorescens, Circhorium intybus, vascular system pathology 5499
seed-borne diseases, bacteria, detection 13429.
Spiroplasma citri, mycoplasma-like organisms, reviews 10751.
wilt, Oryza sativa, incidence, Xanthomonas campestris, epidemiology 9408.
Zea mays, characterization, infection, bacteria 8142.
Plant extracts,
Calendula arvensis, Calendula officinalis, antibacterial activity, Staphylococcus aureus 1773.
Eupatorium capillifolium, antibacterial activity, Bacillus subtilis 420
Glycine max, effects on, nitrogen fixation, Rhizobium japonicum 2448.
Malus seeds, agglutination factors, Erwinia amylovora, characterization 4719.
medicinal plants, Surinam, antimicrobial activity, Bacillus subtilis, Staphylococcus aureus. Escherichia coli, Aspergillus niger, Candida albicans 7856
Moringa oleifena, stimulation, nodulation, Vigna mungo 6411.
Moringa oleifera, Moringa stenopetala, antimicrobial activity, bacteria, fungi 432.
Oenanthe javanica, oils, antibacterial activity, bacteria 7855.
Phaseolus vulgaris, carbohydrates, agglutination, Pseudomonas phaseolicola, virulence 2544.
Prunus persica, isolation, Rickettsia-like organisms, phony disease, density gradients centrifugation 5503.
Plantago coronopus,
rhizosphere, nitrate, production 3699.
Plantago lanceolata,
mycorrhizas, rhizosphere microorganisms, abundance, factors affecting 1161.
rhizosphere, nitrate, production 3699
Plantago major,
rhizosphere, nitrate, production 3699.
Plants,
bacteria infection, pathogenesis 13421
bacteria infection, pathogenesis, books, conferences 13544.
carbohydrates residues, soil types, comparison, microorganisms 10788.
cell walls, biodegradability, role rumen microorganisms 6324.
cell walls, biodegradability, rumen microorganisms, feeding trials 5645.
cytology, bacteria, staining, observation methods, microscopy 12215.
defense mechanisms, hypersensitive response, bacteria pathogens 13420.
development, bacteria effects on, mines waste disposal sites, USSR 13455
essential oils, antibacterial activity, antifungal activity, screening 4214
gene regulation, bacteria infection effects on 10755
growth, Solanum tuberosum, rhizosphere microorganisms, bacteria, powder, effects on 8269.
infection, mycoplasma-like organisms, spiroplasma, pathogenesis 13422.
isolates, acholeplasma, DNA analysis 2702
isolates, Frankia, nitrogen fixation, nitrogenase activity, in vitro 4630.
isolation, Serratia, taxonomy 4712.
lectins, agglutinins, interaction, Neisseria gonorrhoeae, lipopolysaccharides, cell surface 2831
pathogens, bacteria, survival, host-pathogen interactions 9418.
pathogens, Corynebacterium, new taxa, characterization 9535.
pathogens, saprophytes, bacteria identification methodology 10891
pathogens, Spiroplasma, characterization 3600.
pathology, association, Erwinia carotovora transmission, fluorescent antibody

Plants, (continued)
test 12109.
phylloplane, gram-negative bacteria, endotoxins, occupational exposure, byssinosis 12980.
phytoalexins induction, role bacteria, antibacterial activity 8147.
protoplasts, transformation, plasmid Ti, Agrobacterium tumefaciens 12825.
Pseudomonas like nitrogen-fixing bacteria, incidence 1183.
Pseudomonas tomato detection, methodology 1143.
rhizosphere, free-living nitrogen-fixing bacteria, nitrogen fixation 13463.
secondary metabolism 8447.
soil, pollution, nitrogen cycle, sulfur cycles, soil microorganisms 12150.
Spiroplasma citri infection, enumeration 13438.
Spiroplasma citri infection, quantification 10750.
surfaces, role, airborne microorganisms, aerosols 13530.
tissues, enzyme-linked immunosorbent assay, Spiroplasma citri, detection 8899.
Plaque assay,
detection, phage β^{tox} mutants, antigens, Corynebacterium diphtheriae toxins, enzyme-linked immunosorbent assay 5006.
Plaque fluid,
composition, Macaca mulata, radiation, effects on 3640.
Plaque formation,
cytomegalovirus, varicella-zoster virus, minks lung cell culture 3776.
phage J2, transduction, lysogeny, Salmonella typhi 4999.
Plaque index,
estimation, dental plaque, monkeys 5284.
Streptococcus mutans, oral infection, epidemiology, man 704.
Plaque-forming cells,
cell proliferation, mice, spleen, Staphylococcus aureus protein A effects on 8974.
Plaques,
immunoassays, complement serum, antibacterial activity, Neisseria gonorrhoeae 11533.
Plaques formation,
mathematical models, Corynebacterium diphtheriae 4995.
Plasma,
creatine kinase levels, Streptococcus pneumoniae meningitis, man 2120.
exchange, man, leptospirosis 9213.
levels, pneumonia, dogs, effects on respiration 9095.
Mycobacterium tuberculosis, tuberculosis, norepinephrine, cyclic AMP, levels, man 3346.
pigmentation, association, heartwater, goats, Cowdria ruminantium infection 9345.
α1-proteinase inhibitor, man, Serratia marcescens microbial metalloproteinase inactivation 7543.
Plasma levels,
zinc, Salmonella dublin, experimental infection, symptoms, cattle, juveniles 1102.
Plasma membrane,
biosynthesis, liver, rats, Streptococcus pneumoniae, infection, effects on 2386.
Plasma membranes,
alkaline phosphatase, kinetics, comparison periplasmic space, Escherichia coli 12583.
bacteriochlorophyll, chlorosomes characterization, fluorescence, C.D., linear dichroism, E.S.R., Chloroflexus aurantiacus 8479.
± cell walls, freeze-thawing, peptidoglycans biosynthesis, Aerococcus viridans 6675.
Clostridium perfringens, Clostridium oedematiens, Clostridium tetani, Bifidobacterium bifidum, ultrastructure, characterization, freeze-fracture, freeze-etching 2601.
complex DNA genomes, fractionation, characterization, Bacillus subtilis 6566.
damage, lipid peroxides formation, Salmonella endotoxemia, liver, mice 6870.
erythrocytes, adenylate cyclase interaction Vibrio cholerae toxins 6003.
Escherichia coli, vesicles, sodium, protons transport, mechanisms, reviews 12293
hemolysins Aeromonas hydrophila effects on, fibroblasts, man 6024.
isolation, Micrococcus 6486.
lesions, Aeromonas hydrophila hemolysins induction, fibroblasts, lung, man 11502.
molybdenum centers, iron-sulfur centers, nitrate reductase, distribution, E.S.R., Escherichia coli 12335.
Mycobacterium, role drug resistance 5987.
peptidase localization, Streptococcus cremoris 5786.
phospholipids effects on D-lactate dehydrogenase activation, Escherichia coli 4917.
protein composition 9701.
proteins binding penicillin, selenomonas ruminantium 3823.
purification, characterization, proteinase multiple forms, Escherichia coli 9745.
purification, light effects on bacteriochlorophylls, Chloroflexus aurantiacus 6548.
Streptococcus pneumoniae, characterization 6501.
Streptomyces rimosus, penicillin-binding protein, transpeptidase 2583
Thermoplasma acidophilum, pH, temperature, effects on 3811.
Plasma proteins,
thermal stability, rabbits, Shigella experimental infection effects on 13173.
Plasmapheresis,
treatment, septicemia, Escherichia coli, Streptococcus group B, neonates, man 6263
Plasmaphoresis,
+hemodialysis, treatment hemolytic uremic syndrome, association Campylobacter colitis, treatment, infants, man 6219.
Plasmids,
aerobic bacteria, ecological distribution, association, pollution, rivers 13508.
Agrobacterium rhizogenes, Agrobacterium tumefaciens, DNA homology, tumorigenesis 5864.
Agrobacterium rhizogenes, role, pathogenicity, hairy root, tissue culture, Nicotiana tabacum 4612.
Agrobacterium tumefaciens, crown gall, iron assimilation, relationship, virulence, Helianthus 2413.
Alcaligenes, association, ε-aminocaproic acid dimers metabolism, nutrient sources, characterization 8410
Alcaligenes eutrophus, hydrogen uptake mutants 9889.
analysis, DNA, isolation, methodology 5032.
antibiotic resistance, amikacin, Serratia marcescens, characterization 7834.
antibiotic resistance, ampicillin, expression, Escherichia coli, mutants, colicin K tolerance, expression 2910
antibiotic resistance, drug resistance, Pseudomonas aeruginosa, identification, hospitals, Australia 3073.
antibiotic resistance, gentamicin, Staphylococcus aureus, clinical isolates 7837
antibiotic resistance, Haemophilus ducreyi, ampicillin, transfer, Escherichia

Plasmids, (continued)
coli 7697
antibiotic resistance, penicillin, tetracycline, Staphylococcus epidermidis, characterization, transfer. Staphylococcus aureus 3049
antibiotic resistance, polymyxin, Vibrio cholerae, acridine orange, acriflavine, treatment 8741
antibiotic resistance, Streptococcus faecalis, transfer, stimulation, sex pheromone 2907
antibiotic resistance, streptomycin, drug resistance, sulphadiazine, Pasteurella multocida, transfer, Escherichia coli 3050
antibiotic resistance, tetracycline, erythromycin, clindamycin, Bacteroides fragilis, clinical isolates, transfer 3048
antibiotic resistance, tetracycline, Staphylococcus aureus, comparison, gram-positive bacilli, transfer 9901
antibiotic tolerance, amikacin derivatives, Escherichia coli 8799
association, antibiotic resistance, Salmonella, animal isolates, clinical isolates, epidemiology, USA 12927
association, Shigella dysenteriae, antibiotic resistance, characteriztion, infection, man, epidemics, Zaire 8744
bacteria, β-lactam antibiotics antibiotic resistance 5941.
bacteria, cloning, hepatitis A virus genomes 9870
bacteria, marine environment isolates, role hydrocarbons biodegradation 8412.
bacteria mutants, pathogenicity, drug resistance, genetic factors 6716
cadB gene, cadA gene, cadmium, manganese transport, vesicles, Staphylococcus aureus 6500
characterization, antibiotic resistance, electrophoresis, Proteus rettgeri 7688.
characterization, antibiotic resistance, penicillins, Neisseria gonorrhoeae, penicillinase biosynthesis, Canada 276
characterization, clinical isolates, Bacteroides fragilis subsp.distasonis 6757.
characterization, DNA, Nocardia asteroides 6748
characterization, Escherichia coli, intestine isolates, ampicillin effects on 12842
characterization, Neisseria gonorrhoeae, gonorrhea epidemiology, man, British Isles 13242
characterization, Neisseria gonorrhoeae penicillinase biosynthesis, disease spread, British Isles 12235
characterization, Staphylococcus aureus resistant mutant gentamicin 6830.
characterization, transfer, Neisseria gonorrhoeae 12847
charactrization, association, inhibition, Neisseria gonorrhoeae clinical isolates, vancomycin+Martin-Lewis medium 7376.
chimeras, Salmonella typhimurium, transduction, phage P22 5848
Cit plasmid, Escherichia coli, incompatibility, classification 1692.
citrate metabolism, Escherichia coli, relationship, chemotaxis, tricarboxylic acids 1668
Citrobacter intermedius, isocitrate dehydrogenase, enzymatic activity, role, glutamate, excretion 2812
cloning, Haemophilus influenzae, Escherichia coli, recombination defective mutant 12769
Clostridium novyi, detection 5015
Col E1, DNA-binding protein, purification, characterization, Escherichia coli 9720
ColE1 plasmid, Escherichia coli mutants, colicins biosynthesis, characterization 5838
col 1b plasmid, colicins, effects on, phage T7, protein biosynthesis, Escherichia coli 9859
Col E1, DNA, Escherichia coli, purification, chromatography 5891
Col V, Escherichia coli, aerobactin biosynthesis 279
Col V plasmid, Escherichia coli clinical isolates, role pathogenicity, mice 9902.
ColE1, DNA, RNA polymerase transcription, DNA gyrase stimulation, role DNA supercoiling 8509
ColE1, Escherichia coli, molecular weight relationship copies 11322
ColE1, mutants, replication, maintenance 278
ColE plasmid, colicins, characterization, antibacterial activity, Escherichia coli sensitivity 1686
ColE1 plasmids, penicillin-binding protein, Escherichia coli, mutants, gene mapping, restriction-modification, screening 2911
ColE1, superhelical, biosynthesis, DNA repair, associaton, RNA, Escherichia coli 11313
ColE1, superhelical, DNA, complementary strands, RNA, base composition, Escherichia coli 11309
ColE1, superhelical DNA, purification, liquid chromatography 8669
ColE1, temperature-sensitive mutant DNA biosynthesis, isolation, characterization 11325
ColV, I-K94 plasmid iss gene, role complement resistance, Escherichia coli 2950
ColVBtrp, Erwinia carotovora, maintenance 282.
construction cloning vectors 4972.
construction, pili, Escherichia coli urinary tract isolates 89.
detection, Escherichia coli, enterotoxins 277
detection, Lactobacillus 2936.
DNA analysis, Escherichia coli 2949
DNA, antibiotic resistance, Treponema pallidum 5872.
DNA assays, methodology 8740
DNA cloning, methodology 4143.
DNA, crown gall, correlation tumorigenesis, Agrobacterium tumefaciens, Nicotiana tabacum 5886
DNA, curing, Bacillus subtilis 1687.
DNA, electrophoresis, Streptococcus lactis, strains differentiation 5590.
DNA, phage ΦX174 capsids, packaging 7694.
DNA, proteins association, Streptomyces 6736
DNA, purification, bacteria 7687.
DNA, Staphylococcus aureus, association, antibiotic resistance 2937.
DNA, structure, topology, role, biological properties 5893.
DNA, transformation Bacillus stearothermophilus 5866
DNA uptake specificity, transformation, Haemophilus 11324.
DNA, use, genetic engineering, Rhizobium meliloti 6770
DNA, Zymomonas mobilis, strains, genetic analysis 11288.
drug resistance, chloramphenicol, gram-negative bacteria, role, membrane permeability 2597.
drug resistance, Escherichia coli, IncP-1 plasmids, transfer, Rhizobium japonicum 5033.
effects on, growth rate, Escherichia coli 9882.
effects on, Rhizobium leguminosarum, nitrogen fixation, nodulation, Pisum sativum 2442.
Ent plasmid, enterotoxins, Escherichia coli, antibiotic resistance transposons labelling 7703.
Enterobacteriaceae Clinical isolates, drug resistance trimethoprim 10061.

Plasmids, (continued)
Enterobacteriaceae, cotrimoxazole drug resistance 8863.
Enterobacteriaceae, gentamicin antibiotic resistance, infection, man, hospitals 4134.
enterotoxins, Escherichia coli, antibiotic resistance, isolation, characterization 12863
Escherichia coli, α-hemolysin genes expression 9888
Escherichia coli, antibiotic resistance, amikacin, role, aminoglycoside phosphotransferase, genetic analysis 3047.
Escherichia coli, characterization, isoelectric focusing 9884
Escherichia coli clinical isolates, characterization 5111.
Escherichia coli, conjugation, drug resistance± enterotoxins production 8862.
Escherichia coli, enterotoxins, antigen K, colicins, relationship, epidemiology, pigs 9863.
Escherichia coli, gene products, membranes proteins, immunity, colicins, gene mapping 3071.
Escherichia coli gleA gene, genetic analysis 1630.
Escherichia coli, glg gene, asd gene, gene mapping, gene expression, cloning 6713.
Escherichia coli, hepatitis B surface antigen gene expression, vaccines, antibody response, rabbits 9867.
Escherichia coli, maintenance, continuous culture, effects on, growth 1667.
Escherichia coli, promoters bacteriocins operons, DNA nucleotide sequence, gene regulation 5876.
Escherichia coli, recombinants, enterotoxins, toxoids, vaccines, gene mapping 2939.
Escherichia coli str operon, cloning 6701.
Escherichia coli, transfer antibiotic resistance, Salmonella 11327.
Escherichia coli, transformation, cold shock methodology 12831.
Escherichia coli, trpS gene, characterization, nucleotide sequence, cloning 2941.
R-factor, classification 11335
R factor, Haemophilus influenzae, insertion, DNA, phage HP1, lysogency 2898
R factor, mediation, trimethoprim resistance, Escherichia coli, tetrahydrofolate dehydrogenase analysis, isoelectric focusing 11208.
R factor NR1, conjugation, R factor RSF2124, DNA homology, relationship, recombination frequency, Escherichia coli 12800.
R factor NR1, recombination, phage P1, prophages, transduction 9872.
R factor rBP1, antibiotic resistance streptomycin, Escherichia coli clinical isolates 9886.
R factor RK8, isolation, characterization, Escherichia coli 12858.
R factor Rms201, Escherichia coli, mutants, maintenance, antibiotic resistance ampicillin 1691.
R factor Rms201, segregation, Escherichia coli, temperature-sensitive mutant 7706.
R factor Rms201, temperature-sensitive mutant replication 9879.
R factor RP4, Escherichia coli, transfer, Salmonella typhimurium, Klebsiella pneumoniae, Proteus mirabilis 12865.
R factor RP4, insertion sequence 1, mutants, Rhizobium lupini 9875.
R factor RP4, replication genes, gene mapping, Escherichia coli 9865.
R factor RSF 0885, DNA, transformation, Haemophilus influenzae 5883.
R factor RSF0885, Haemophilus influenzae, transformation, recombination 2953.
R factor RSF1010, DNA, replication, Escherichia coli, Pseudomonas aeruginosa cell-free system 9905.
factor RSF1030, DNA biosynthesis, role ribonuclease H initiation, cell-free system, Escherichia coli 4141.
R factor R1, copB gene, cloning, characterization, Escherichia coli 12811.
R factor R1, Escherichia coli, copB gene expression, constituitive, growth rate dependent 12781.
R factor R1, Escherichia coli, man feces isolates, transfer, Escherichia coli 1683.
R factor R1, Escherichia coli, replication, regulation, copA gene, copB gene 1689
R factor R1, replicons, replication 9887.
R factor R1, role, streptomycin resistance, Escherichia coli mutants 8807
R factor R1drd-19, chloramphenicol antibiotic resistance, Escherichia coli 9881.
R factor R100, insertion sequence 1, deletion mutant, DNA nucleotide sequence 11255.
R factor R100 traT gene, role complement resistance, Escherichia coli 2950.
R factor R100.1, mutants, characterization 9874.
R factor R1162, Escherichia coli, gene mapping, cloning 6742.
R factor R1767, gene amplification, Salmonella typhimurium 9885.
R factor R388, gene mapping, comparison, restriction endonuclease mapping, evolution 9904
R factor R485, association, pili, Escherichia coli, Shigella sonnei 12844.
R factor R6-5, RNA polymerase binding sites, promoters 9873
R factor R6K, expression, Escherichia coli, genomes mutation effects on 9878.
R factor R68.45, transfer, genomes genes, Escherichia coli 9864
R factor R7K, gene mapping, comparison, restriction endonuclease mapping, evolution 9904
R factors, U.V. radiation, Escherichia coli, association, DNA nucleotidyltransferase like enzymatic activity 2765.
R factors, β-lactam antibiotics antibiotic resistance, penicillinase, Pseudomonas aeruginosa 11425.
R factors, ampicillin antibiotic resistance, penicillinase, Enterobacteriaceae 12924.
R factors, antibiotic resistance, association, bacteria 11438.
R factors, antibiotic resistance, bacitracin, tetracycline, drug resistance, sulfonamides, animal isolates, chickens 4200.
R factors, antibiotic resistance bacteria, animal wastes, public health 7825.
R factors, antibiotic resistance, Bordetella bronchiseptica, animal isolates 10008.
R factors, antibiotic resistance cefoxitin, transfer, Bacteroides thetaiotaomicron 11429.
R factors, antibiotic resistance, Col plasmid, incidence, Shigella sonnei clinical isolates, Hungary 10017.
R factors, antibiotic resistance, Ent plasmid, enterotoxins, transfer, Escherichia coli, pigs animal isolates 5014.
R factors, antibiotic resistance, gentamicin, nosocomial infection, gram-negative bacteria, man 10007.
R factors, antibiotic resistance, isolation, characterization, Pseudomonas aeruginosa 10001.
R-factors, antibiotic resistance, oxytetracycline, streptomycin, transfer, Escherichia coli, Salmonella 2932.
R factors, antibiotic resistance, Salmonellosis, man 10018.
R factors, antibiotic resistance, transfer, bacteria, urinary tract models 7833.
R factors, antibiotic resistance, transformation, Escherichia coli 9880.

Plasmids, (continued)
R factors, association, drug resistance, Escherichia coli isolation, Aves 10054.
R factors, bacteria, antibiotic resistance 6831.
R factors, bacteria, antibiotic resistance, genetic analysis, books, conferences 10828
R factors, Bordetella bronchiseptica, antibiotic resistance, spectinomycin, ampicillin, characterization 5938.
R factors, Bordetella bronchiseptica drug resistance, isolation pigs juveniles 6850
R factors, cephalosporins antibiotic resistance, membrane permeability, Enterobacteriaceae 6750.
R factors, chloramphenicol antibiotic resistance, genes translocations, Pseudomonas aeruginosa 9866.
R factors, conjugation, characterization, classification 12864.
R factors, drug resistance, bacteria, transfer 10058.
R factors, drug resistance genes, deletion mutants, Salmonella typhimurium 9876.
R factors, drug resistance, sulfanilamide, gram-negative bacteria 10059.
R factors, effects on, antibiotic sensitivity testing 7693.
R factors Ent plasmid hybrids, stability, Escherichia coli 9892.
R factors, Escherichia coli, antibiotic resistance, relationship, chemotherapy, Japan 3070
R factors, Escherichia coli, coliforms, antibiotic resistance, transfer, Salmonella, antibiotic sensitivity testing, agar diffusion test 6751.
R factors, Escherichia coli, conjugation, integration 7704.
R factors, Escherichia coli, drug resistance, diarrhea, children 274.
R factors, Escherichia coli, multiple antibiotic resistance, transfer, urinary tract infection, hospitals, man 3045.
R factors, Escherichia coli, role, drug resistance, nalidixic acid 286.
R factors, Escherichia coli, transfer frequency, temperature effects on 9895.
R factors, F lac factor, col factor, nosocomial environments Klebsiella isolates, antibiotic resistance, clinical aspects, man 5887.
F factors, genetic analysis, gene mapping, incompatibility 11305.
R factors, gentamicin resistance 11328.
R factors, Haemophilus influenzae, antibiotic resistance, ampicillin, tetracycline, chloramphenicol, genetic relationship 1677.
R factors, identification, drug resistance, Shigella 12835.
R factors, IncH plasmids, characterization 9891.
R factors, incidence, Salmonella isolates, drug sensitivity testing 4201.
R factors, incidence, Salmonella typhimurium, cattle isolates 3112.
R factors, incompatibility classification, Escherichia coli 9896.
R factors, incompatibility, transfer, Streptococcus group D 12855.
R factors, loss, antibiotic resistance, Staphylococcus aureus 10016.
R factors, loss, mathematical models, Escherichia coli 9893.
R factors, man, salmonellosis 12866.
R factors, penicillinase, gram-negative bacteria, clinical isolates, incidence, hospitals, man, surveys 2952.
R factors, phage λ transduction, role transposon Tn3 replicons 8716.
R factors, Proteus mirabilis, Proteus rettgeri, Proteus vulgaris, incidence 3061
R factors, recombination, association, transduction, phages, Staphylococcus aureus 12833
F factors, replication 284.
R factors, replication, Salmonella typhimurium, antibiotic resistance, cotrimoxazole drug resistance 7874.
R factors, role, antibiotic resistance, carbenicillin, gentamicin, tobramycin, nosocomial environments isolates, Enterobacteriaceae 5956
F factors, role conjugation, genetic analysis, reviews, pili (sex) 8729.
R factors, role, Pseudomonas aeruginosa freeze-thawing resistance 12810.
R factors R1, incompatibility replicons 9877.
R factors, Salmonella, conjugation, Escherichia coli 9903.
R factors, Salmonella typhi, antibiotic resistance, chloramphenicol, isolation, typhoid fever, man 403.
R factors, Salmonella typhimurium mutants, osmotic shock extracts, association disease resistance, mice, infection 12398
R factors, Serratia marcescens, role, penicillinase biosynthesis, membrane permeability, β-lactam antibiotics 5889.
R factors, Staphylococcus aureus, antibiotic resistance, transfer, Escherichia coli, Vibrio cholerae 2880.
R factors, Streptococcus faecalis, transfer, Staphylococcus aureus, antibiotic resistance 11311.
R factors, Streptococcus faecium, antibiotic resistance 7838.
R factors transduction, Pseudomonas aeruginosa, conjugation, phages 11295.
R factors, transfer, Escherichia coli, Salmonella typhimurium, feeds isolates 5113.
R factors, transfer, food, Salmonella, Escherichia coli 8728.
R factors, transformation, Pseudomonas syringae 249.
R-factors, transposons, antibiotic resistance, chloramphenicol, Escherichia coli, Salmonella naestved, characterization, genetic analysis 4131.
R factors, trimethoprim, Escherichia coli DNA host specificity 11061.
R factors, use gene mapping, amiE gene, Pseudomonas aeruginosa 6738.
F_0lac plasmid, phage F_0lac dependence, characterization, Escherichia coli, Salmonella typhimurium 5004.
function, effects on, bacteria, chromosomes 2917.
gene expression, association, novobiocin antibiotic resistance markers, Haemophilus influenzae 12770.
genes, role streptomycin biosynthesis, Streptomyces griseus 12856.
genes transfer, DNA, Pseudomonas 11254.
genetic control, invasiveness, Shigella flexneri 9830.
genetic engineering, enhancement biodegradation 2,4,5-T 5884.
gentamicin, antibiotic resistance, Pseudomonas aeruginosa, expression, Escherichia coli 9995.
gram-negative bacteria, clinical isolates, aminoglycoside antibiotics antibiotic resistance 5946.
H2 plasmid transfer, Escherichia coli, Salmonella typhimurium, intestine, juveniles, cattle 9897.
Haemophilus ducreyi, ampicillin resistance, characterization 7701.
Haemophilus ducreyi, association, ampicillin antibiotic resistance 11331.
Haemophilus ducreyi, characterization 917.
Haemophilus influenzae, role ampicillin antibiotic resistance, clinical isolates 5949.
hemolysins determinants, cloning, function, Escherichia coli 12779.
homology, association, plant diseases, Pseudomonas, strains 12859.
hybridization, lac plasmid, transposons, transposon Tn951, genes 1674.
Inc plasmid, incompatibility, electrophoresis, salmonella 11332.
Inc-Q plasmid, maintenance, effects on, Agrobacterium tumefaciens, tumorigenicity 2926.
IncFI plasmid, incompatibility, antibiotic resistance, Salmonella johannesburg 9856.

Plasmids, (continued)
IncFI plasmid, morphology, incompatibility, bacteria 8734.
IncI plasmid, role, Escherichia coli pili thickness, phage PR4 adherence 11337.
IncJ plasmid, plasmid R391, integration, replication, conjugation, Escherichia coli 5894.
IncN plasmid, transfer, Escherichia coli, Pseudomonas aeruginosa 7698.
IncP-1 plasmid, Pseudomonas aeruginosa, transfer, gram-negative bacteria, frequency, insertion sequences, genetic analysis 2927.
inhibition, phages, replication, reviews 2944.
isolation, characterization, Sulfolobus acidocaldarius 12837.
isolation, Escherichia coli biosynthesis, drug resistance, enterotoxins biosynthesis 7700.
isolation methodology, association, restriction endonuclease mapping 8736.
Klebsiella, characterization, role, drug resistance 6752.
Klebsiella, gentamicin, antibiotic resistance, nosocomial infection, epidemiology, man 10021.
Klebsiella pneumoniae, antigens biosynthesis, transfer 2930.
F'lac factor, R factors, chlorpromazine effects on conjugation, pili, Escherichia coli 5971.
lactic acid bacteria, genetic engineering, proteinase, cheese production, reviews 4112.
lactic acid bacteria, Streptococcus, characterization 1670.
lactose operon DNA purification, N.M.R. 11293.
lysine decarboxylation, Proteus morganii characterization, taxonomic significance 6758.
mediated resistance, arsenate efflux, Staphylococcus aureus, Escherichia coli 12961.
mediation, antibiotic resistance, Escherichia coli, Enterobacter, Klebsiella, Proteus, Salmonella, Serratia, aminoglycoside antibiotics 401.
mediation, antibiotic resistance, transfer, Bacteroides, Escherichia coli 2929.
Mycobacterium avium-intracellulare serotypes 5879.
Neisseria gonorrhoeae, antibiotic resistance, ampicillin, association, transposon Tn2301, characterization 5877.
Neisseria gonorrhoeae, penicillinase, transfer, Haemophilus influenzae, Escherichia coli, transient survival 2912.
Neisseria gonorrhoeae, transformation, penicillin antibiotic resistance 5944.
nif gene, gene expression association Rhizobium leguminosarum transformation 11334.
oirC plasmid incompatibility, Escherichia coli 12857.
pAT 153 plasmid, enzymes systems, effects on, Escherichia coli 8732.
pAV2 plasmid, inhibition, pAV1 plasmid, Acinetobacter calcoaceticus 5878.
pBD64 plasmid, cloning Bacillus licheniformis sporulation genes 264.
pBEU14 plasmid, Escherichia coli, recA gene proteins, overproduction 1612.
pBR322 plasmid, pBR325 plasmid, Escherichia coli, maintenance, continuous culture 5021.
pBR322 plasmid, transfer, Escherichia coli, Podospora anserina, gene expression, replication 12834.
pBR322 plasmid+SV40 recombinants, Escherichia coli gpt gene replication, mammalian cells 8676.
pEH25 plasmid, cloning leu 2 gene, leu B gene, Saccharomyces cerevisiae, Escherichia coli 243.
penicillinase, inhibition, olivanic acid derivatives, Escherichia coli 7554.
penicillinase, restriction endonuclease mapping, Neisseria gonorrhoeae 12836.
pGB301 plasmid, Streptococcus, antibiotic resistance 5020.
pigmentation, thiamine phototrophy, regulation, Erwinia herbicola 12448.
N plasmid, antibiotic resistance, Klebsiella pneumoniae, killing, conjugation, Escherichia coli 2909
plasmid BR322, DNA, penicillinase synthesis, guanosine 5'-diphospate 3'-diphosphate inhibition 6749.
plasmid CloDF13, DNA biosynthesis, role ribonuclease H initiation, cell-free system, Escherichia coli 4141.
plasmid ColA, purification, restriction endonuclease mapping, Enterobacteriaceae 8731.
plasmid ColE1, DNA biosynthesis, role ribonuclease H initiation, cell-free system, Escherichia coli 4141.
plasmid ColE1, double-stranded DNA replication initiation sequence 7690.
plasmid ColE1, Escherichia coli, DNA biosynthesis initiation, role RNA primers 8730.
plasmid ColI, overlaid genes, sog gene gene products 4106.
plasmid ColK, structure, function 2916.
plasmid Co1V, effects on, virulence, antigenicity, Escherichia coli 1858.
plasmid λdapB2, clones fragments, gene products 11323.
R plasmid, effects on Shigella flexneri gas production 2925.
R plasmid, enhancement chromosomes mobilization, Escherichia coli, isolation, restriction-modification, genetic analysis 2918.
plasmid Ent, Escherichia coli, enterotoxins, gene mapping, regulation 9899.
plasmid EP396, Ap gene transposition, phage Φ80, Escherichia coli 12819.
plasmid IncC, phage C-1, sewage isolates, characterization 4998.
plasmid IP 983, cadmium drug resistance, Staphylococcus aureus 5034.
plasmid JH1, determinants, tetracycline, antibiotic resistance, Streptococcus faecalis 6759.
plasmid LT2, role, Salmonella typhimurium, typhimuricin biosynthesis, new records 12869.
plasmid nah 7, naphthalene metabolism genes, gene mapping, restriction endonuclease mapping 11307.
plasmid NR1, Escherichia coli, localization 8742.
plasmid NR1, transposon Tn2671, drug resistance determinants, Escherichia coli 6764.
plasmid NTP113, gene mapping, Escherichia coli 6746.
plasmid N3, gene mapping, restriction-modification 2906.
plasmid pAL2, replication, kinetics, comparison Escherichia coli 6740.
plasmid pAS8Rep-1, transposon Tn7, transfer, killing, Pseudomonas 2913.
plasmid pAV2, inhibition, transfer, plasmid RP4, plasmid R388, Acinetobacter calcoaceticus 5882.
plasmid pBD9, restriction endonuclease mapping, Bacillus subtilis 5026.
plasmid pBL101, restriction endonuclease mapping, formate dehydrogenase, genes, DNA, Escherichia coli 6755.
plasmid pBRH4, cloning promoters tetracycline antibiotic resistance, Escherichia coli 4970.
plasmid pBRN3, restriction endonuclease mapping, Escherichia coli 11310.
plasmid pBR313, tryptophan operons, construction cloning vectors 4971.
plasmid pBR322+phage T7, DNA, recombination, replication 4990.
plasmid pBR322, cloning Salmonella typhimurium chemotaxis genes, overproduction 247.
plasmid pBR322, DNA replication sites, Escherichia coli 2904.

Plasmids, (continued)
plasmid pBR322, DNA, supercoiling, structure relationship transformation activity, Escherichia coli 7646.
plasmid pBR322, Escherichia coli, biosynthesis, hepatitis B virus antigens, use, diagnosis 9857
plasmid pBR322, Escherichia coli, cloning, dnaE gene, gene products 12775.
plasmid pBR322, Escherichia coli, proinsulin, biosynthesis, characterization 6768.
plasmid pBR322 eukaryotes chimeras, transformation Escherichia coli 5022.
plasmid pBR322, gene expression, Escherichia coli, DNA gyrase, nalidixic acid, novobiocin, effects on 2942
plasmid pBR322, inactivation, U.V. radiation 275.
plasmid pBR322, insertion, phage Mu DNA 11338.
plasmid pBR322, nucleotide sequence, effects on SV40 replication 7695
plasmid pBR322× plasmid pC194, hybrids, instability, Escherichia coli, Bacillus subtilis 12828
plasmid pBR322, plasmid pDR42, use tetracycline antibiotic resistance selection, Escherichia coli 11426
plasmid pBR322, plasmid pLM2, plasmid pSL222-4, Escherichia coli, transfer, gastrointestinal tract, man 7705
plasmid pBR322, recombination phage λ, DNA gyrase mediation, Escherichia coli 7497
plasmid pBR322, recombination, phage T7, association, DNA biosynthesis, Escherichia coli 2938
plasmid pBR322, transfection stem cells, deoxyribonuclease sensitivity 5863.
plasmid pBR322, use cloning Proteus mirabilis recA gene 4975
plasmid pBR322, use cloning vectors, construction, characterization 4973.
plasmid pBR325, DNA nucleotide sequence 5024.
plasmid pBR325, Escherichia coli, expression, Rous sarcoma virus, src gene, gene products 9862.
plasmid pBR325, Escherichia coli, loss, continuous culture 9883.
plasmid pBR325, lactose operon, mutation effects on gene regulation 6771.
plasmid pCS194, Bacillus subtilis, maintenance, recombinants, transformation, Escherichia coli, restriction-modification, gene mapping 2924.
plasmid pCW2, Escherichia coli, hemolysins biosynthesis, association nephrotic syndrome 7699
plasmid pC194, Staphylococcus aureus, nucleotide sequence, gene mapping, chloramphenicol antibiotic resistance 6745
plasmid pED806, F factors, replication origin incorporation, restriction endonuclease mapping, instability, cloning 11316.
plasmid pE194, antibiotic resistance, nucleotide sequence, gene mapping, replication, Staphylococcus aureus 6744.
plasmid pE194, plasmid pUB110, antibiotic resistance, Bacillus subtilis, replication, electron microscopy 2908
plasmid pFM205 mutants, genes deletion, antigen K88 biosynthesis 8743
plasmid pGD10, incompatibility, host range, Capnocytophaga ochraceus 11306.
plasmid pGV1106, transformation Rhizobium meliloti, use cloning vectors 6735.
plasmid pIJ1008, Rhizobium leguminosarum, transfer, relationship, nitrogen fixation, nodulation 12845
plasmid pIJ2000, Spiroplasma citri, isolation, gene mapping 4135
plasmid pIP112, role, antibiotic resistance, tetracycline, transposition, transposons 1523, Escherichia coli 6766.
plasmid pIP850, aminoglycoside 3'-phosphotransferase genes, association, butirosin production, Bacillus circulans 8727.
plasmid pIP850, characterization, mapping aminoglycoside 3'-phosphotransferase genes, Bacillus circulans 11329
plasmid pIP983, cadmium, resistance, Staphylococcus aureus, characterization 12850
plasmid pIY2, characterization, Escherichia coli, association, D-lactate dehydrogenase activity 8735.
plasmid pJB1, penicillinase, Haemophilus ducreyi, characterization, comparison, Haemophilus parainfluenzae, Neisseria gonorrhoeae 2946
plasmid pJFM8, cloning, tetrahydrofolate dehydrogenase, purification, characterization, Escherichia coli 3978
plasmid pKB280, tetracycline antibiotic resistance genes, DNA mutagenesis methodology 5025
plasmid pKH80, relationship Escherichia coli antibiotic resistance 12841
plasmid pKO101, recombinants, antibiotic resistance, sulfanilamide, Bacillus subtilis 5873.
plasmid pKY2257, translocations, Tn3 gene, deletion mutant, Escherichia coli 2945.
plasmid pK013, Escherichia coli, use genetic engineering α-neo-endorphin 4137.
plasmid pMB9, cloning, globin genes, cDNA, chickens 4144.
plasmid pMB9, gene expression, phage T4, Escherichia coli 4120.
plasmid pMB9, penP gene, penI gene, Bacillus licheniformis, cloning, Escherichia coli, Bacillus subtilis 1604
plasmid pMG35, Pseudomonas aeruginosa, cloning, gentamicin, antibiotic resistance, genes, Escherichia coli 9825
plasmid pMJ101, Vibrio anguillarum biotypes, detection 1680.
plasmid pMP78-1, penicillinase, Saccharomyces cerevisiae, characterization, production 5819.
plasmid pNE131, antibiotic resistance, erythromycin, Staphylococcus epidermidis, characterization, nucleotide sequence 2947.
plasmid pNO10, Salmonella infantis, iactose fermentation, drug resistance, characterization 1666.
plasmid pPJ3b, transposon Tn2301, inversion, Escherichia coli, replication, insertion, phage λ 2943.
plasmid pRle1001a, localization transcription regions, restriction endonuclease mapping, bacteroids, Rhizobium leguminosarum 9908.
plasmid pRle1001a, restriction endonuclease mapping, Rhizobium leguminosarum 9906.
plasmid pR386, Escherichia coli, inhibition, phage T4 mutants, growth 5013.
plasmid pSA1, regulation, spiramycin biosynthesis replicons, Streptomyces ambofaciens 11330.
plasmid pSA1, Streptomyces ambofaciens, role, genetic control, spiramycin production 7755.
plasmid pSA5700, staphylococcus, erythromycin, antibiotic resistance, replication, Streptococcus pneumoniae, Escherichia coli 8739.
plasmid pSC101, phage λ, hybrids, deletion, DNA nucleotide sequence 4142.
plasmid pSLA1, plasmid PSLA2, 5'-terminus, association, proteins, Streptomyces 12849
plasmid pSM1, cleavage, kinetics, substrate specificity, endodoxyribonuclease PstI 4145.
plasmid pSM7322, Escherichia coli, antibiotic resistance, erythromycin, lincomycin 1685.

Plasmids, (continued)
plasmid pSN2, nucleotide sequence, role enterotoxins biosynthesis, Staphylococcus aureus 6737.
plasmid pSV1, Streptomyces violaceus-ruber, role, methylenomycin A biosynthesis 12846.
plasmid pTi, Agrobacterium tumefaciens, Helianthus annuus crown gall isolates, DNA transcription, RNA characterization 4136.
plasmid pTiAch5, Agrobacterium tumefaciens, restriction endonuclease mapping 12827.
plasmid pTiB653, deletion mutant, gene mapping, Agrobacterium tumefaciens 12829.
plasmid pTiC58, Agrobacterium tumefaciens, DNA protein biosynthesis, Escherichia coli 5870.
plasmid pTT1, Thermus thermophilus, characterization, gene mapping 2915.
plasmid pT181, DNA, replication, cell-free system, Staphylococcus aureus 5869.
plasmid pT181, DNA replication origin, nucleotide sequence 11308.
plasmid pT181, repC gene DNA nucleotide sequence, Staphylococcus aureus 11046.
plasmid pUB110, Bacillus thuringiensis, transformation 2920.
plasmid pUB110, restriction endonuclease mapping, Bacillus subtilis 5026.
plasmid pUB110, transfer, cell fusion protoplasts, Bacillus subtilis 12852.
plasmid pUB110, transfer, protoplasts cell fusion, Bacillus subtilis 12853.
plasmid pUB110, use Bacillus subtilis transformation 12861.
plasmid pUC1, plasmid pUC13, identification, phage ΦSF1, Streptomyces fradiae, characterization 6747.
plasmid pUI81, Rhodopseudomonas sphaeroides, use, induction, genes transformation 12854.
plasmid pUO1, Moraxella, association, mercury drug resistance, isolation, characterization 4138
plasmid pUR 250, use DNA nucleotide sequence analysis 12848.
plasmid pUV7, uvrC gene cloning, restriction endonuclease mapping, Escherichia coli 11045.
plasmid pUW3626, Staphylococcus aureus nosocomial infection, man, comparison, Staphylococcus epidermidis 6753.
plasmid pWB1 alterations relationship lysine auxotrophy, restriction endonuclease mapping, Pseudomonas cepacia 5867.
plasmid pWS6, stability association compatibility, Escherichia coli, Salmonella typhimurium 11277.
plasmid pWW0, Pseudomonas, structure, role aromatic compounds biodegradation 9900
F plasmid, replication, Escherichia coli, cell cycle, effects on 2931.
F plasmid, replication, regulation, initiation, relationship, ColE1 plasmid 1682.
P plasmid, Rhizobium, transfer frequency, Escherichia coli, maintenance 4132.
P-1 plasmid, role, Pseudomonas solanacearum mutagenesis, transposons 5023.
plasmid RPI, transformation, Paracoccus dentrificans 1684.
plasmid RPL11, penicillinase, Pseudomonas transfer Enterobacteriaceae 6756.
plasmid RP4, Escherichia coli, transfer, Acinetobacter calcoaceticus, phage Mu, role, characterization 5852.
plasmid RP4, Escherichia coli, transfer chromosomes 5885.
plasmid RP4, transposons, association, antibiotic resistance, Acinetobacter calcoaceticus subsp.anitratum 9988.
plasmid RSF0885, Haemophilus influenzae, recombination, structure 8726.
plasmid Rts 1, cloning, restriction endonuclease mapping, bacteria 12830.
plasmid R1, copA gene, RNA, factors affecting expression, Escherichia coli 12785.
plasmid R1, replication genes, genetic analysis 11321.
plasmid R100 replication genes, phage λ 8711.
plasmid R483, F factors, Escherichia coli, genes assocation RNA degradation, restriction endonuclease mapping 12774.
plasmid R485, association, pili development, characterization 5875.
plasmid R68.45, use, genomes linkage gene mapping, Rhizobium trifolii 5881.
plasmid R773, arsenate resistance, Escherichia coli, adenosinetriphosphatase deficient mutant 12960.
plasmid R91-S, deletion mutant, genetic analysis, physical characteristics, Pseudomonas aeruginosa 6763
plasmid R91-5, Pseudomonas aeruginosa, transposon Tn7, transposon Tn501, insertion, gene mapping 6765.
plasmid S-a, plasmid Rts1, Escherichia coli, phenotypes, suppression, galE gene 2919
plasmid Sa, gene mapping, comparison, restriction endonuclease mapping, evolution 9904
plasmid SCPI, integration, Streptomyces coelicolor, inactivation, dag gene, agarase biosynthesis, gene mapping 2851.
plasmid SCP2, variants, genetic analysis, Streptomyces coelicolor, Streptomyces parvullus, Streptomyces lividans 6760.
plasmid Ti, Agrobacterium tumefaciens, transformation, crown gall, Nicotiana tabacum 12090
plasmid Ti, Agrobacterium tumefaciens, transformation, plants protoplasts 12825.
plasmid Ti deletion mutant, characterization, gene mapping 5037.
plasmid TOL, role, metabolism, allylglycine, cis-crotylglycine, Pseudomonas putida 288.
plasmid T1, Agrobacterium tumefaciens, crown gall, protoplasts, Nicotiana tabacum 13423
R plasmid, Vibrio cholerae, antibiotic resistance, genetic analysis, biochemical analysis 9844
plasmid Y, incompatibility, segregation, Escherichia coli 12826.
T plasmids, incidence, bacteria, relationship, phage t infection 4986.
pLC16-4 plasmid, Escherichia coli, ATP biosynthesis 5018.
pON5300 plasmid, antibiotic resistance, kanamycin, characterization 5019.
presentation, phage P4, propagation, Escherichia coli, characterization 9861.
protein biosynthesis, SV40 DNA, Escherichia coli 2951
Pseudomonas acruginosa, Agrobacterium tumefaciens, , DNA analysis, Escherichia coli 2949
Pseudomonas aeruginosa, carbenicillin antibiotic resistance 10002.
Pseudomonas aeruginosa, plasmid pYMB1, antibiotic resistance, drug resistance, isolation 281.
Pseudomonas, biodegradation, 3-chlorobenzoate, 4-chlorophenol, transfer Alcaligenes 7459.
Pseudomonas, isolation, methodology 2928.
Pseudomonas, petroleum biodegradation, marine pollution 12832.
Pseudomonas phaseolicola, association, phaseolotoxin biosynthesis 1678.
Pseudomonas putida, role, naphthalene, salicylate, metabolism 283.
Pseudomonas, role 2,4-D biodegradation 8411.
recombinants, U.V. radiation sensitivity, DNA repair, Escherichia coli 2933.
recombinants, association, promoters, phage T7, RNA polymerase, transcription, DNA, genetic engineering 5036.
recombinants, Escherichia coli, DNA transformation, isolation 1669
recombinants, Escherichia coli, rrnB operon, gene mapping, nucleotide sequence 2850.

Plasmids, (continued)
recombination, replicons, maintenance, dimers, effects on 1681.
recombination, role transposon Tn3 repressors, DNA nucleotide sequence, restriction endonuclease mapping 7685.
relationship, inhibition, Staphylococcus aureus, myristic acid, linoleic acid, pH effects 1757.
relationship naphthalene metabolism, Pseudomonas 5862.
relationship, PCB biodegradation, Acinetobacter, Arthrobacter 12368.
restriction endonuclease mapping, association, epidemiology, Escherichia coli clinical isolates, diarrhea, man 11765.
Rhizobium, Agrobacterium tumefaciens, DNA homology, hybridization, restriction endonuclease mapping 5868.
Rhizobium leguminosarum nodulation, recombination 12803.
Rhizobium leguminosarum, nodulation, transfer, host specificity, Pisum sativum 2922.
Rhizobium leguminosarum, transfer, nodulation, bacteriocins, characterization 2921.
Rhizobium leguminosarum, transfer, Rhizobium phaseoli, nodulation, host range, Phaseolus vulgaris, Pisum sativum 2923.
Rhizobium leguminosarum, transmission, characterization 12862.
Rhizobium meliloti, genetic control, nodulation, genes 5510.
Ri plasmid, Agrobacterium rhizogenes, hybridization tumors DNA, Nicotiana glauca 7686.
RK2 plasmids, kil gene, lethality, Escherichia coli 12839.
role, antibiotic resistance, actinomycin, Streptomyces antibioticus 5896.
role, antibiotic resistance, bacteria, evolution, reviews 4196.
role antibiotic resistance, genetic analysis, Salmonella wien, Salmonella alachua 5029.
role, drug resistance, cadmium, transport, Staphylococcus aureus 3106.
role, Shigella virulence 11336.
RP1 plasmid, Caulobacter vibrioides, pili, effects on, phage PRR1 infection, conjugation 1675.
RP4 plasmid, pri gene, gene mapping, DNA primase 2948.
RP4 plasmid, RNA polymerase binding, DNA, Escherichia coli 1676
RP4::Mucts62 plasmid, Salmonella typhimurium, mutants, transfer 1673.
RSF0885, Haemophilus influenzae, transformation, frequency 2954.
Salmonella arizonae, sucrose fermentation, characterization 1690.
Salmonella, clinical isolates, lactose metabolism, conjugation 9868.
Salmonella heidelberg, penicillinase, nosocomial infection outbreaks, epidemiology, man 10594.
Salmonella typhimurium, antibiotic resistance, drug resistance 402.
Salmonella typhimurium clinical isolates, characterization, India 9907.
Shigella sonnei, role, virulence 517.
Staphylococcus aureus, Bacillus subtilis, Bacillus, transfer, replication, expression 1671.
Staphylococcus aureus, role, antibiotic resistance, erythromycin, lincomycin 1672.
Staphylococcus aureus, role, drug resistance, cadmium, efflux 3113.
Staphylococcus aureus, toxins, bacteriocins, production, drug resistance cadmium, genetic analysis 1679.
Staphylococcus epidermidis, characterization, clinical isolates 5861.
Streptococcus, characterization 5888.
Streptococcus cremoris, role, restriction-modification 2940.
Streptococcus lactis subsp.diacetylacris, correlation, citrate metabolism 240.
Streptococcus pneumoniae, DNA, cloning 5017.
Streptococcus, reviews 5890.
Streptomyces aureofaciens DNA, column chromatography isolation, characterization 5892
Streptomyces, cloning, genetic engineering 11315.
Streptomyces, cloning, use genetic engineering 11314.
Streptomyces erythreus, characterization, association, erythromycin production 7696.
Streptomyces fradiae, neomycin biosynthesis, analysis, ethidium bromide, acridine orange 11317.
Streptomyces fradiae, tylosin biosynthesis, genes, regulation 11340.
Streptomyces, isolation, restriction endonuclease mapping 7702.
suppression, λ gene gene expression, phage λ 5030.
suppressors, temperature-sensitive mutant, Escherichia coli, dnaA gene, gene products, isolation 12799.
SV40, genes transfer, mammalian cells, genetic engineering 8675.
T1 plasmid, transposons, Agrobacterium tumefaciens, deletion, recombination, cloning, methodology 2914.
Thermus flavus, characterization, gene mapping, cloning 1688.
Thiobacillus ferrooxidans, DNA, characterization 285.
Ti plasmid, Agrobacterium rhizogenes, homology, Agrobacterium tumefaciens 12860.
Ti plasmid, Agrobacterium tumefaciens, crown gall tumors, DNA transcription 2905.
Ti plasmid, Agrobacterium tumefaciens, detection, plant cells nuclease, electrophoresis 4140.
Ti plasmid, Agrobacterium tumefaciens, iaaP gene, relationship, crown gall, restriction endonuclease mapping 11326.
Ti plasmid, Agrobacterium tumefaciens, mRNA, mapping, DNA hybridization, crown gall, Nicotiana tabacum 7691.
Ti plasmid, association, production, zeatin, Agrobacterium tumefaciens 11312.
Ti plasmid, DNA, mutation, transcription, characterization, Agrobacterium tumefaciens 5880.
Ti plasmid, gene mapping, Agrobacterium tumefaciens, deletion mutant 12807.
Ti plasmid, genetic analysis crown gall, characterization insertion sequences, Agrobacterium tumefaciens 6769.
Ti plasmid, octopine synthase genes, location Agrobacterium tumefaciens Ti plasmid, gene expression, crown gall, Helianthus annuus 7689.
TOL plasmid, deletion mutant, Pseudomonas putida, electrophoresis 12838.
TOL plasmid, Pseudomonas putida, DNA characterization 5016.
transfer, antibiotic resistance, ampicillin, penicillinase, role 7839.
transfer, antibiotic resistance, fosfomycin, Escherichia coli 7836.
transfer, Bordetella pertussis, conjugation, transformation 12843.
transfer, tetracycline resistance Campylobacter fetus subsp.jejuni, Campylobacter fetus subsp.fetus 287.
transformation, prephenate dehydrogenase mutants, purification, characterization, Escherichia coli 11138.
transformation, Streptococcus pneumoniae, role DNA nucleotide sequence homology 6739.
transposon TnA, deletion mutant, tryptophan operon, Escherichia coli 12804.
transposon Tn733, R factors, gentamicin, antibiotic resistance, detection 1748.
use, dnaG gene regulation, cDNA, Escherichia coli 12753.
Vibrio anguillarum, virulence, outer membranes, iron-binding protein 6879.
virulence, association, membrane proteins, Yersinia pseudotuberculosis, Yersinia enterocolitica 8938.
Plasmids, (continued)
virulence, Yersinia enterocolitica, comparison, indicators, tests 6880.
virulence, Yersinia enterocolitica, Yersinia pestis, DNA homology, characterization 2934.
Yersinia enterocolitica, correlation, adherence, HEp-2 cells 1693.
Plasmodium berghei,
immunity (humoral), mice, killed Corynebacterium parvum, Mycobacterium bovis experimental infection, effects on 4282.
Plasmodium vinckei petteri,
Escherichia coli, lipopolysaccharides, effects on, cytostasis, mice 10209.
Plasmolysis,
association, cell division, Escherichia coli 12316.
xylem parenchyma, Erwinia amylovora infection, effects on apples leaves ultrastructure 6403.
Plate counts,
agar, bacteria, toxicity testing, methodology 5959.
bacteria, enumeration, food quality 3751.
diagnosis, bacteremia, Haemophilus influenzae, children 3449.
estimation, dental plaque, monkeys 5284.
Platelets,
arachidonic acid release, thromboxane B_2 production, Escherichia coli endotoxins effects on, man 3147.
5-hydroxytryptamine uptake, leprosy, man 692.
membranes phospholipids organization, probes, use, bacteria exotoxins, phospholipase C 11480.
pneumolysin effects on, man 482.
Rickettsiae lipopolysaccharides, effects on, man, rabbits 4297.
secretions, immunoglobulins aggregates effects on, role, bacteria endotoxins 491.
Serratia marcescens endotoxins effects on, blood, dogs 10081.
serum levels, relationship, endotoxins release, association, Borrelia duttoni experimental infection, mice 8978.
Shigella sonnei endotoxins stimulation, coagulation, man 12986.
Platenolide,
biosynthesis, Streptomyces hygroscopicus, radioactive labelling 4961.
Platinum(II),
compounds, association, RecA gene protein induction, Escherichia coli 9694.
Plecoglossus altivelis,
aquaculture, infection, Vibrio, Streptococcus 10653.
aquaculture, Streptococcus infection, Vibrio infection 6334.
Bacteroides, intestinal microflora, identification 6476.
Streptococcus, comparison, Vibrio anguillarum, pathogenicity 6335.
Streptococcus infection, fish culture, organs distribution, histopathology 6332.
Streptococcus infection, pathology, organotropism 6357.
Vibrio anguillarum, Streptococcus, pathogenicity 5457.
Plesiomonas,
clinical aspects, identification, methodology 10910.
Plesiomonas shigelloides,
intestinal microflora, Cathartes aura 9316.
man isolates, biosynthesis, cytotoxins, enterotoxins 1801.
pathogenicity, gastrointestinal tract, man 5319.
Pleural cavity,
infection, Streptococcus pyogenes, man, case reports 992.
Pleural effusion,
association, Legionella pneumophila infection, man, case reports 11717.
isolates, hemolytic anemia, Salmonella oranienburg, characterization, man 9214.
Treponema pallidum isolation, man, antigenic characteristics, ultrastructure 10157.
Pleural fluid,
isolation, Brucella melitensis, man 11742.
lysozyme, differential diagnosis, pleurisy, tuberculosis, man 6986.
Pleurisy,
differential diagnosis, tuberculosis, lysozyme pleural fluid, man 6986.
Pleuritis,
Streptococcus zooepidemicus, treatment, horses, case reports 4552.
Pleuropneumonia,
Haemophilus parahaemolyricus vaccination, pigs 665.
Haemophilus parahaemolyticus, pathogenesis, clinical aspects, pigs 10645.
Haemophilus pleuropneumoniae, epidemiology, pigs 9362.
Klebsiella, Escherichia coli, experimental infection, antibiotics treatment, animal models, man 10343.
Plum pox virus,
incidence, Prunus avium, Czechoslovakia 1138.
Plums,
scald, etiology, bacteria presentation Rickettsia 6402.
Pluracidomycins,
Streptomyces pluracidomyceticus sp.nov. biosynthesis, structure 11370.
Streptomyces pluracidomyceticus sp.nov., structure 7735.
Pneumocystis carinii,
association, pneumonitis, infants 5287.
mixed infection, Nocardia asteroides, pneumonia, pathology, carcinoids, man, case reports 1969.
pneumonia, incidence, severe combined immunodeficiency, man 5292.
Pneumocystis carnii,
pneumonia, man, kidney transplantation, cotrimoxazole treatment, dose-response effects 7973.
Pneumocystis cavinii,
pneumonia, nosocomial infection, diagnosis, man 4390.
Pneumocytis carinii,
opportunist infection, man, prisons, incidence 13332.
Pneumolysin,
deficient mutant, Streptococcus pneumoniae, isolation, hemolysis, characterization 8706.
effects on, leukocytes (polymorphonuclear), platelets, man 482.
Pneumonia,
Aeromonas hydrophila, diagnosis, man, case reports 4394.
association Achromobacter xylosidians, characterization 6179.
association, Acinetobacter calcoaceticus var. lwoffi infection, clinical aspects, treatment, case reports, Pongo pygmaeus 12061.
bacteria, amoxicillin treatment, man 11739.
bacteria, antibiotic resistance, treatment, man 6969.
bacteria, complications, pneumothorax, dogs, case reports 2382.
bacteria, Mycoplasma, man 9100.
bacteria, pathology, pneumothorax assocaition, case reports, dogs 8092.
bacteria, treatment, cephalosporins, dogs 2375.
bacteria, treatment, cephalosporins, dogs 8093.

Pneumonia, (continued)
  bacteria, treatment, man 13137
  Bordetella bronchiseptica, epizootiology, lesions, pathology, guinea-pigs 10677.
  Bordetella bronchiseptica, Pseudomonas aeruginosa, Phascolarctos cinereus, Australia 1110
  Branhamella catarrhalis, man, case reports 5298
  cattle, immunodiagnosis, infection, Mycoplasma, Ureaplasma 10707
  cavitation, Legionella pneumophila, diagnosis, treatment, man 803
  cefoperazone treatment, man 10347
  cefoperazone treatment, man 10601
  children, Bacteroides corrodens, case reports 746.
  children, treatment, medicine, China, People's Rep 10346.
  Chlamydia, clinical aspects, infants, man 4383
  Chlamydia psittaci, etiology, symptoms, horses 3625.
  Chlamydia psittaci, pathogenesis, mice 13145
  Chlamydia trachomatis, diagnosis, clinical aspects, treatment, man, infants 11716
  Chlamydia trachomatis, radiography, infants, man 11711
  Chlamydia trachomatis, treatment, cortisone, cyclophosphamide, animal models 4392.
  comparison, hyaline membrane disease, diagnosis, pathology, infants, man 5296.
  complications, bacteria, mortality, geriatrics 13146.
  Corynebacterium equi, outbreaks, horses, juveniles 3646
  dogs, plasma levels, effects on respiration 9095
  Enterobacteriaceae, man case reports 4388
  Escherichia coli, antibiotic resistance, amitracin, man, case reports 3320
  etiology, association, antibiotics treatment, man 10335.
  etiology, bacteria, man 789
  experimental infection, mezlocillin treatment, mice 13261
  factors affecting morbidity, children, Canada 10326
  gram-negative bacilli, man 11740.
  gram-negative bacilli, nosocomial infection, epidemiology, etiology, man, reviews 11699
  gram-negative bacilli, treatment, ceftriaxone, man 8051
  gram-negative bacteria, diagnosis, man 13147.
  gram-negative bacteria, geriatrics 13275.
  gram-negative bacteria, oropharynx colonization, man, hospitals 9116.
  Haemophilus influenzae, association, myeloma, man, case reports 788
  Haemophilus influenzae, Streptococcus pneumoniae, treatment, cefonicid, cefamandole, man 7001
  Haemophilus pleuropneumoniae, Haemophilus parasuis, Pasteurella haemolytica like microorganisms, differential diagnosis, gnotobiotics (specific pathogen free), pigs 3589
  Haemophilus pleuropneumoniae, susceptibility, antibacterial agents, pigs, animal isolates 5904
  hypersensitivity, Micropolyspora faeni, role, complement, rabbits 593
  immunoglobulins, lymphocytes, levels, man 567
  infection, man, association alcoholism 9089
  infection, Streptococcus pneumoniae, Staphylococcus, Haemophilus, immune response, man 599
  Klebsiella, treatment, cefotiam, mice 6798
  Legionella, diagnosis, clinical aspects, man, books, conferences 10843
  Legionella micadei, diagnosis, clinical aspects, epidemiology, man 10338.
  Legionella micdadei, treatment, ampicillin, amoxicillin, man, British Isles, case reports 3334.
  Legionella micdadei, treatment, erythromycin, man 4396
  legionella pneumophila, association, swimming, case reports, man 6192.
  Legionella pneumophila, immunocompromised hosts, case reports, Belgium 6174.
  Legionella pneumophila, incidence, children, man, hospitals 4406
  Legionella pneumophila, Legionella micdadei, pathology, diagnosis, man, reviews 3323
  Legionella pneumophila, man, Far East, case reports 4386
  Legionella pneumophila, pathology, treatment, man, case reports 3326.
  Legionella pneumophila, transmission, diagnosis, man 3332
  Legionella pneumophila, water isolates, water supplies, institutions, Australia 3322.
  lung, edema, association, tuberculosis, diagnosis, man, case reports 2002.
  man, Acinetobacter calcoaceticus var. anitratus, infection, characterization, case reports 7976.
  man, dicloxacillin treatment 10486.
  man, infection, Streptococcus pneumoniae, epidemiology 11706
  man, Legionella micdadei isolation, nosocomial environments, association, water 10321
  man, Legionella pneumophila, Legionella bozemanii, taxonomy, aquatic environment 6161.
  man, mixed infection, Legionella pneumophila, Legionella micdadei 9092.
  man, Streptococcus pneumoniae infection, immunization, antibody response, association paraproteinemia 8949
  man, treatment, cefotaxime, antibacterial activity, Enterobacteriaceae, cephalothin resistance 8772.
  measles, complications, man 3330.
  Mycobacterium pneumoniae, legionnaire's disease, Legionella pneumophila, diagnosis, counter immunoelectrophoresis, antibodies, serum levels, man 6985
  Mycoplasma hyopneumoniae, treatment, lincomycin, tylosin, pigs, juveniles 7276.
  Mycoplasma pneumoniae, antibody response, blood groups, children 7935.
  Mycoplasma pneumoniae, association, chemotherapy, man, case reports 4405
  Mycoplasma pneumoniae, association, sickle cell disease, case reports, man 6185.
  Mycoplasma pneumoniae, clinical aspects, man 9110.
  Mycoplasma pneumoniae, diagnosis, man 1985.
  Mycoplasma pneumoniae, diagnosis, radiography, man 795.
  Mycoplasma pneumoniae, incidence, man, Thailand 6981.
  Mycoplasma pneumoniae, treatment, tetracycline+erythromycin, hamsters 10340.
  Neisseria meningitidis, nosocomial infection, epidemiology, man, case reports 793.
  Nocardia asteroides+Pneumocystis carinii mixed infection, pathology, carcinoids, man, case reports 1969.
  Nocardia asteroides, Mycobacterium tuberculosis, diagnosis, bronchoscopy, immunocompromised hosts, man 6998.
  nosocomial infection, association, respirators, gram-negative bacteria, incidence, etiology, man 11701.
  nosocomial infection, prophylaxis, Bacillus, gram-negative bacteria, man 7979.
  nosocomial infection, role, gram-negative bacteria, colonization, oropharynx, antibiotic therapy, man 3341.
  Pasteurella haemolytica, interaction, parainfluenza virus 3, mixed infection, pathology, cattle 10692.
  Pasteurella multocida, incidence, seasonal variations, pigs 2356.

Pneumonia, (continued)
  pathogenesis, etiology, Pseudomonas aeruginosa, Proteus, Acinetobacter, Enterobacter, Serratia, man 4381.
  persistent infection, etiology, man 2017.
  pigs, etiology, Pasteurella multocida 8102.
  Pittsburgh pneumonia agent, pathogenesis, antibiotic sensitivity testing, man, immunocompromised hosts 10339.
  Pneumocystis carinii, incidence, severe combined immunodeficiency, man 5292.
  Pneumocystis carnii, man, kidney transplantation, cotrimoxazole treatment, dose-response effects 7973.
  Pneumocystis cavinii, nosocomial infection, diagnosis, man 4390.
  postoperative infection, prophylaxis, role, bacteria filtration, anesthesia unit, man 1975.
  postoperative infection, risk factors, diagnosis, etiology, man 11702.
  Proteus, corticosteroids treatment, man, case reports 11736.
  Pseudomonas aeruginosa, gram-negative bacteria, nosocomial infection, treatment, tobramycin, man 5294.
  Pseudomonas aeruginosa, immune response leukocytes (polymorphonuclear), immunocompromised hosts, guinea-pigs 8961.
  Pseudomonas aeruginosa, Mycoplasma, treatment, antibiotic 6059-S, man 2020.
  Pseudomonas aeruginosa, treatment, N-formimidoyl thienamycin, ticarcillin, tobramycin, animal models 10315.
  recurrent infection, chemotaxis deficiency, monocytes, leukocytes (neutrophilic), man 8956.
  role, Chlamydia, sheep 5459
  Serratia marcescens, pathology, clinical aspects, man 13154.
  shipping fever, bovine rhinotracheitis, Pasteurella, interaction, herpesvirus (bovine) 1, pathology, etiology, cattle, reviews 10693.
  sputum, isolation, Streptococcus pneumoniae, Haemophilus influenzae, leukocytes levels, man 763.
  Staphylococcus, association, empyema, immunocompromised hosts, man 5306.
  Staphylococcus aureus, complications, lung ventilation, man 786.
  Staphylococcus aureus, incidence, ventilation, intensive care units, man 3331.
  Staphylococcus pneumoniae, gram-negative bacteria, Staphylococcus, gram-positive bacteria, etiology, clinical aspects, radiology, man 7975.
  Streptococcus pneumoniae, acetaminophen treatment, man 10588.
  Streptococcus pneumoniae, epidemiology, children, infants, man 7198.
  Streptococcus pneumoniae, Gram stain diagnosis, treatment, man 9125.
  Streptococcus pneumoniae, gram-negative bacilli, aspiration, geriatrics 758.
  Streptococcus pneumoniae, Haemophilus influenzae, treatment, ceforanide, man 3311.
  Streptococcus pneumoniae, Haemophilus influenzae, treatment, cefotaxime, man 7002.
  Streptococcus pneumoniae infection, man, epidemiology, vaccines treatment 7980.
  Streptococcus pneumoniae, lung levels, opsonins, complement, rats 6927.
  Streptococcus pneumoniae, man, case reports 5285.
  Streptococcus pneumoniae, man, reviews 11981.
  Streptococcus pneumoniae, nosocomial infection, diagnosis, clinical aspects, epidemiology, geriatrics, man 2012.
  Streptococcus pneumoniae, treatment, pathology, vaccination, man, reviews 9093.
  treatment, acetylspiramycin, Mycoplasma, children 760.
  treatment, acetylspiramycin, Mycoplasma, children 762.
  treatment, antibiotics, pepsin immunoglobulin G, man 1016.
  treatment, cefamandole, man 801.
  treatment, ceforanide, procaine penicillin, man 782.
  treatment, cefotiam, children 1025.
  treatment, cefotiam, man 794.
  treatment, cefotiam, tonsillitis 3344.
  treatment, lincomycin, tylosin, pigs, Mycoplasma 2335.
  treatment, penicillin G, clindamycin, carbenicillin, children, institutions 5304.
  treatment, piperacillin, man 765.
  vaccination, Pseudomonas aeruginosa, cross-protection Escherichia coli, guinea-pigs 3250
  Yersinia enterocolitica, clinical aspects, man, case reports 9108.
Pneumonitis,
  association, Chlamydia trachomatis, cytomegalovirus, Pneumocystis carinii, Ureaplasma urealyticum, infants 5287.
  Chlamydia psittaci, vaccines, immunity, cats 13063.
  Chlamydia trachomatis, immunoglobulin G, immunoglobulin A, role, immune response, nude mouse 6108
  Haemophilus paraphrophilus, ampicillin, antibiotic resistance, new records, case reports, man 6993
Pneumoperitoneum,
  association, spleen necrosis, Clostridium peritonitis, dogs, case reports 2354.
Pneumothorax,
  assocaition, pneumonia, bacteria, pathology, case reports, dogs 8092.
  complications, bacteria, pneumonia, dogs, case reports 2382.
  Legionella pneumophila, Legionnaires' disease, complications, man, case reports 3347.
Podophthalmus vigil,
  microflora, gut, bacteria 6385.
Podospora anserina,
  Escherichia coli pBR322 plasmid transfer, gene expression, replication 12834.
Point mutation,
  lacI gene, 7α,8 β-dihydroxy-9β,10β-epoxy-7,8,9,10-tetrahydrobenzo(a)pyrene, 3,4-epoxycyclopentapyrene, DNA, Escherichia coli 11052.
Poly(A),
  cell-free system translation, comparison eukaryotes, Escherichia coli 8495.
Poly(C),
  interaction, termination factor rho, Escherichia coli 7521.
Poly(U),
  cell-free system translation, comparison eukaryotes, Escherichia coli 8495.
  ribosomes complex, tRNA binding effects on structure, E.S.R., Escherichia coli 4810.
Poly(3-hydroxybutyrate) depolymerase,
  purification, characterization, Alcaligenes faecalis 9768.
Poly(β-hydroxybutyric acid),
  isolation, glycogen, metabolism, developmental stages, Nocardia asteroides 6523.
Poland,
  disinfection efficiency 10025.
Polar environments,
  ice particles, bacteria, airborne microorganisms 10818.
Polarity,
  transposons, transposon 9, insertion sequence 1, rrnX operon, transcription 2722.

Polarization,
  effects on aquatic bacteria adherence, metals 10933.
  membranes, electric fields effects on, role membrane proteins, Rhodospirillum rubrum, Rhodospirillum sphaeroides, Halobacterium halobium 12297.
Polarography,
  cytochrome c553, redox properties, Desulfovibrio vulgaris 11112.
Poly(ethylene glycol),
  induction flagellin polymerization, flagella, Bacillus brevis 12563.
Pollutants,
  aerosols, effects on susceptibility lung,
  bioassays, effects on bacteria 7380.
  biodegradation, bacteria, rivers, sediments 100.
  biodegradation, gram-negative bacteria, screening 11000.
  biodegradation, heterotrophic bacteria, marine environment, measurement 8395.
  effects on, predatory behavior, Bdellovibrio 1760.
  immunosuppression, immunity, bacteria, assays, animal models 13026.
  lubricants, biodegradation, bacteria 133.
Polluted environments,
  rivers sediments, bacteria isolates, metals, resistance 8860.
  streams, filamentous microorganisms, iron oxidation, growth 2489.
  Streptococcus bovis, detection, enumeration, media (selective) 1264.
Pollution,
  association, bacteria, distribution, identification, marine environment, sediments, USA, Virginia 12158.
  association, ecological distribution, plasmids, aerobic bacteria, rivers 13508.
  irrigation systems, Brazil, association feces indicator organisms, coliforms, streptococcus 7342.
  lagoons Italy, bacterioplankton, Protozoa, effects on eutrophication, enumeration 7340.
  plants, soil, nitrogen cycle, sulfur cycles, soil microorganisms 12150.
  salmonellosis source, British Isles, man, animals 816.
Pollution effects,
  acid rain, nitrogen cycle, nitrogen-fixing bacteria, leaf litter decomposition, forests 10790.
  acid rain, soil properties, soil microorganisms, nitrification, forests 7316.
  bacteria, antibiotic resistance, drug resistance, antibiotics, sediments, lakes, USA, Vermont 2462.
  bacteria, species composition, lakes 8221.
  cadmium, soil microorganisms, bacteria, growth 1175.
  chlorine, community composition, streams 9487.
  chromium, soil microorganisms, bacteria 1174.
  fungicides, herbicides, hydrocarbons, water pollution, Escherichia coli, Pseudomonas fluorescens, Pseudomonas aeruginosa 1208.
  industrial effluents, paper mills, metabolism, Finland rivers 12184.
  industrial wastes, bacteria 2483.
  leaf litter, decomposition, nitrogen cycle, acid rain, pollution effects, forests 10790.
  mercury bioaccumulation, Vibrio, Pseudomonas, Protozoa, food chains, estuarine organisms 8233.
  pesticides, soil microorganisms, bacteria, fungi 1209.
  pulp wastes, bacterioplankton, rivers, Canada 2494.
  soil, cadmium, bacteria resistance 9434.
  waste water, bacterioplankton, estuaries, Germany, Fed. Rep. 1240.
  zinc, bacteria, metabolism, abundance 1229.
Pollution indicators,
  bacteria, association, distribution, eutrophic environments, coastal environment, Germany, Fed. Rep. 8228.
Pollution monitoring,
  Escherichia coli, rivers, South Africa 2493.
  microbial pollution, coliforms, drinking water, physicochemical properties 6442.
Pollution sources,
  mines, waste water, industrial effluents, acid production, Thiobacillus ferrooxidans 9642.
Poly(lysine),
  biosynthesis, ribosomes, Escherichia coli 6580.
Poly(vinylpyrrolidone),
  comparison, skim-milk, lyophilization, Bacteroides fragilis, thermal stability 7354.
Poly-β-hydroxybutyrate,
  Bacillus megaterium, fluorescence staining, blue stain 8275.
Poly-(L-lysine),
  inactivation, phages, Streptomyces 11297.
Polyacrylamide,
  methodology, inoculum, Leguminosae, Rhizobium japonicum 10786.
  Pseudomonas, biodegradation, ammonia metabolism 8415.
Polyadenylation,
  mRNA, characterization, Bacillus subtilis 7506.
Polyamines,
  association, hydrolysis activity, cyclic AMP, Escherichia coli 9697.
  biosynthesis, Escherichia coli, deficient mutant 12762.
  deficient mutant, Escherichia coli cell-free system, protein biosynthesis 6577.
  effects on Escherichia coli, cyclic AMP metabolism, enzymatic activity, phosphodiesterase I, adenylate cyclase 1366.
  modulation streptomycin effects on protein biosynthesis, auxotrophs, Escherichia coli 3910.
  nutrient requirements, Escherichia coli, defective mutant, biosynthesis, putrescine, spermidine, association, antibiotic resistance, streptomycin 2641.
Polyarthritis,
  association, Salmonella gastroenteritis, antigen-antibody complexes, man, case reports 569.
  Chlamydia psittaci, etiology, cattle, juveniles 3643.
  etiology, viruses, bacteria, animal models 5363.
  Yersinia pseudotuberculosis, man 13281.
Polyclonal activators,
  lymphocytes B, Streptococcus mutans cell walls carbohydrates antigens, immune response, mice 6114.
Polycystic kidney,
  association, emphysema pyelonephritis, Escherichia coli, man, case reports 2089.
Polyene antibiotics,
  antibacterial activity, Bacillus megaterium, Micrococcus luteus, protoplasts, membranes lysis 10940.
  stability, gel diffusion 11358.
Polymerization,
  elongation factor Tu, characterization, Escherichia coli 5727.
  fatty acids, Bacillus cereus 12724.
  flagellin, poly(ethylene glycol) induction, flagella, Bacillus brevis 12563.
Polymers,
  lysine, effects on Corynebacterium diphtherias toxins cytotoxicity 10076.
  teichoic acids, Streptococcus pneumoniae, cell walls, activation, complement C3b, alternative pathway 3186.
Polymorphism,
  mathematical models, statistical genetics, microorganisms 12761.
  Promicromonospora citrea 12351.
Polymyxa palustris,
  respiration, role, bacteria, symbiosis, evolution, mitochondria 3677.
Polymyxin,
  ± aminoglycoside antibiotics, biosynthesis, treatment, Pseudomonas polymyxin, man 11997.
  antibiotic resistance, Pseudomonas aeruginosa, association, outer membranes membrane permeability 12928
  antibiotic resistance, Pseudomonas aeruginosa, effects on, lipid composition, cations 2837.
  antibiotic resistance, Salmonella, pmrA gene mutants, ionic strength effects on 399.
  antibiotic resistance, Vibrio cholerae, plasmids, acridine orange, acriflavine, treatment 8741.
  antibiotic sensitivity testing, Salmonella, isolates 8759.
  +neomycin, topical application, treatment, Pseudomonas aeruginosa, infection, ear, man 3336.
  susceptibility, Pseudomonas aeruginosa, media (culture) carbon sources effects on 2833.
  +trimethoprim, comparison, neomycin, +polymyxin+gramicidin, treatment, bacteria conjunctivitis, man 7185.
Polymyxin B,
  antibacterial activity, relationship membrane fluidity, Escherichia coli 10046.
  antibiotic sensitivity testing, Bordetella pertussis, clinical isolates 7769.
  effects on Bordetella pertussis vaccination toxicity 3256.
  +gramicidin, antibiotic synergism, treatment, Enterobacter aerogenes, Salmonella typhi, infection, animals 4571.
  immunosuppression, antigen O erythrocytes attachment, Salmonella antibodies hemagglutination 7921.
Polymyxins,
  antibiotic resistance, Escherichia coli, pigs animal isolates 5119.
  biosynthesis, growth, electron microscopy, Bacillus polymyxa 12873.
Polynephritis,
  leptospirosis, man 8001.
Polynucleotide kinase,
  mechanisms, phage T4 infection Escherichia coli 1664.
Polynucleotides,
  secondary structure, computer programs 4835.
Polyoma virus,
  antigen t genes fusion Moloney sarcoma virus mos gene, gene expression, Escherichia coli 9824.
  SV40, transfection, Escherichia coli, gpt gene, promoters, transcription 12767
Polypeptides,
  Escherichia coli, immunogenetics, association insulin 8905.
  reaction centers, Rhodopseudomonas sphaeroides, topography 1414.
Polyphosphate,
  effects on, Clostridium botulinum, toxins production, pork slurries 474.
Polyposis coli,
  presentation, Streptococcus bovis endocarditis, man, case reports 3528.
Polypropylene,
  pyrolysis products, effects on Klebsiella pneumoniae respiratory tract infection, rats, mice 3312.
Polyps,
  nose, association, paranasal sinus infection, children 10316.
Polyribosomes,
  Escherichia coli, structure, streptomycin effects on 317.
Polysaccharides,
  accumulation, Escherichia coli cell division defective mutant 84.
  acidic, structure, Rhizobium meliloti 2830.
  Aeromonas hydrophila, extracellular polymers, biosynthesis 2829.
  Agrobacterium, effects on, growth, Gaeumannomyces graminis var.tritici, Triticum roots 8212.
  antigenic determinants, Vibrio parahaemolyticus 5196.
  antigens, Pseudomonas aeruginosa, characterization 3176.
  Bacillus polymyxa, production, carbohydrate composition 9794.
  Bacillus subtilis, Streptococcus pneumoniae, foliar applications, inhibition, sugarcane mosaic virus, Sorghum bicolor 4077.
  biodegradation, role, bacteria, soil, USSR 10991.
  biosynthesis, carbohydrate composition, Streptococcus mutans, serotypes 4072.
  biosynthesis, relationship, growth conditions, Zoogloea ramigera 12700.
  biosynthesis, storage, Escherichia coli, temperature-sensitive mutant, ultrastructure 1560.
  Brucella melitensis, purification use immunodiffusion 8907.
  capsules, Bacteroides fragilis, immune response (cell-mediated), mice 11574.
  capsules, Neisseria meningitidis vaccines, immune response, man 6129.
  capsules, structure, Streptococcus pneumoniae 5798.
  cell surface, Rhizobium, Leguminosae, symbiosis, nodulation, reviews 13490.
  cell surface, Salmonella anatum, adsorption phage ε15 6725.
  cells surfaces, Staphylococcus aureus, vaccination, mice 13055.
  chemical composition, biosynthesis, Rhizobium meliloti, Rhizobium trifolii 5804.
  chemical composition, Rhizobium 9797.
  degradation enzymes biosynthesis, association, carbohydrates media, bacteria, rumen microorganisms 9780.
  dental plaque, metabolism, dextranase, release, batch culture, Streptococcus mutans 12604.
  distribution, soil microorganisms, soil properties 8216.
  effects on, antibody response, Klebsiella pneumoniae, infection, , sheep erythrocytes 11626.
  Erwinia amylovora, pathogenesis, xylem, Malus pumila, electron microscopy 3662.
  Erwinia amylovora, role, infection, xylem, Malus pumila 4604.
  Eubacterium saburreum, carbohydrate composition, antigenic characteristics 4262.
  extracellular levels, Rhizobium, association, nodulation ability 4631.
  extracellular polymers, characterization, relationship, host specificity, Rhizobium 215.
  extracellular, Streptococcus salivarius, R form, S form, characterzation 4948.
  Haemophilus influenzae, antigenic characteristics, structure, immunostimulation, lymphocytes B, mice 6883.
  Haemophilus influenzae, capsules, structure 5797.
  Haemophilus influenzae, carbohydrate composition, antigenic characteristics 4261.
  Haemophilus paragallinarum, detection, latex agglutination assays, chickens 6032.

Polysaccharides, (continued)
isolation, characterization, Pseudomonas aeruginosa slimes glycolipoproteins 220
Klebsiella, antigenic characteristics, antigen O relationship, Escherichia coli 6060.
Klebsiella capsules, depolymerization, use, phages enzymes 4945
Klebsiella capsules, structure 1562
Klebsiella, capsules, structure 7626
Klebsiella pneumoniae, mutants biosynthesis, adjuvanticity, characterization 6052.
Klebsiella pneumoniae, ribosomes, antigenic relationship, vaccines 3244.
Klebsiella, Streptococcus pneumoniae, cross-reactivity, immune response, immunodiffusion, mice, vaccines 3184
Mycobacterium mucosum, biosynthesis 12709
Mycobacterium tuberculosis, structure 4946.
Mycoplasma pneumoniae antigens, vaccines, immunity, animal models 10272.
Neisseria meningitidis, coupling, Clostridium tetani toxoids, use, vaccines, vaccination, mice 5252
Neisseria meningitidis, detection, enzyme-linked immunosorbent assay, immunoglobulin M, immunoglobulin G 12993
Neisseria meningitidis, enzyme-linked immunosorbent assay, detection, antibodies, serum, man 6033
Neisseria meningitidis group A, vaccines, man, meningitis, effects on disease transmission, nasopharynx 9032
Neisseria meningitidis, vaccines, clinical trials, immunological aspects, man 6121.
+proteins complex, Haemophilus influenzae type b, association, antibody response, lymphocytes stimulation, rabbits, neonates 3195.
+proteins complex, Haemophilus influenzae type b, vaccination, antibody response, man 3243
Pseudomonas aeruginosa, antigen O, carbohydrate composition 10163
release, Micrococcus radiodurans, γ radiation effects on lipids membranes 8633.
Rhizobium leguminosarum, Rhizobium trifolii, secretion, characterization 6667
Salmonella zuerich, antigenic characteristics 10158
Staphylococcus epidermidis, virulence, biochemical analysis 8921.
Streptococcus agalactiae, cell walls, antigens, immunoelectron microscopy 4256.
Streptococcus, antibodies, detection, role, diagnosis, Streptococcus infection, man 2201
Streptococcus group A, antigens, purification, chromatography 224
Streptococcus group A, role, adherence, pharynx epithelium cells 4735.
Streptococcus group B, association, glucitol 8640
Streptococcus mutans, Actinomyces viscosus, biosynthesis, fluoride, lithium, strontium, effects on 223.
Streptococcus pneumoniae, antigens, immune response, animal models 6912.
Streptococcus pneumoniae, antigens, immunoglobulin G immunization (passive), mice 6931
Streptococcus pneumoniae, C-reactive protein, complement, induction, precipitation 11576.
Streptococcus pneumoniae capsules, characterization 4073.
Streptococcus pneumoniae capsules, structure 217.
Streptococcus pneumoniae, capsules, structure 8630.
Streptococcus pneumoniae, characterization, antigenicity, vaccines 642.
Streptococcus pneumoniae, galactose, structure-activity relationships 6670.
Streptococcus pneumoniae, vaccination, antibody response 6933
Streptococcus pneumoniae, vaccination, antibody response, association, diabetes mellitus, children 9055.
Streptococcus pneumoniae, vaccination, immunity, maternal transfer, man, mice 6932.
Streptococcus pneumoniae, vaccines, conferences 1250
Streptococcus pneumoniae, vaccines, immunogenicity, man 11639.
Streptococcus pyogenes, bioaccumulation 9704
Thiobacillus neapolitans, glucose, intracellular levels, fermentation, anaerobic conditions 8450.
vaccination, macrophages, phagocytosis, Streptococcus pneumoniae, opsonization 3196.
Xanthomonas oryzae, role, hypersensitivity, Gossypium hirsutum 3667
Xanthomonas, structure 1561

Polytetrafluoroethylene,
grafts, Enterobacteriaceae, adherence, role, pathogenesis, characterization 9606

Polyureas,
biodegradation, wastes, agricultural land 106

Polyurethane,
foams, biodegradation, wastes, agricultural land 106

Polyvinylpyrrolidone,
+iodine, bactericidal activity, Mycobacterium bovis 10029.

Ponds,
sediments, anaerobic microorganisms, diuron biodegradation 8425.
sewage treatment models, slurries, pigs, biodegradation 7345.
water quality, Chromatium okenii, population dynamics 10807

Pongamia pinnata,
roots, nodules, association, Rhizobium, indole-3-acetic acid production 8174.

Pongo pygmaeus,
Acinetobacter calcoaceticus var. lwoffi infection, association, pneumonia, clinical aspects, treatment, case reports 12061.

Pontiac fever,
Legionella pneumophila, outbreaks, epidemiology, transmission air conditioning, man 2285.

Pools,
treatment, +U.V. radiation, microflora, hospitals 13527

Population changes,
bacteria, rhizosphere, rhizoplane, Hordeum vulgare, salts, osmotic stress, effects on 4634.

Population composition,
dental plaque, Macaca fascicularis 2345.

Population density,
Azotobacter, Azospirillum, rhizosphere, Oryza sativa, hexachlorocyclohexane effects on 1216.
Bacillus subtilis spores, freeze drying effects on 1764.
bacteria, relationship, propagules size, soil 2461.
bacteria, sediments, marine environment 8205
glucose effects on, Azotobacter, aerobic bacteria, spores 12120.
Myxococcus xanthus, association, adenosine release, relationship, fruit bodies formation 1361.
soil microorganisms, bacteria, relationship, 2,4-D biodegradation, Canada 1194.
soil microorganisms, seasonal variations, effects on nitrogen mineralization 10797.

Population dynamics,
bacteria, Avena sativa 1148.
bacteria, Cyclidium, continuous culture flocculants effects on 2661.
bacteria, decomposition, sewage sludge, soil amendment 9433.
bacteria, incidence, soil, nutrient availability 12148.
bacteria, nutrient dynamics, roots exudates, rhizosphere, crop plants 13462.
bacterioplankton, lakes, Hungary 7341.
bacterioplankton, succession, phytoplankton decomposition 2496
Bdellovibrio bacteriovorous, predator-prey interactions, mathematical models 6408.
Chromatium okenii, ponds, water quality 10807.
consumers, Flagellata, bacteria, fjords 12164.
dieback, conferences, Abies alba, Europe 10848.
ecological distribution, arid zones, soil, Zaotobacter 9475.
environmental effects, streams, alpine environments, bacteria 7338.
Escherichia coli, gut, man, reviews 3264.
phylloplane microflora, yeasts, bacteria, seasonal variations, Malus pumila 4627.
predator-prey interactions, chemostats, microorganisms, mathematical models 10760.
Rhizobium leguminosarum, Arthrobacter globiformis, soil, succession 12136.
rivers, bacteria, water pollution, microbial pollution, pollution effects, water quality 7337.
soil microorganisms, Actinomycetes, bacteria, fungi, media (selective) 8194.
soil microorganisms, biomass, grasslands, New Zealand 8183.
soil microorganisms, fungicides effects on 5512.
soil microorganisms, nitrogen cycle, crop fields, Canada 13474.
soil microorganisms, salinity effects, population dynamics 2430.
Streptococcus mutans, dental plaque, Macaca fascicularis, animal models 10302.
Streptomyces fradiae, antagonism, Streptomyces lanatus, incidence, soil 12147.
succession, Serratia marscescens, Staphylococcus aureus, biodegradation, Cocos nucifera, Copra 6542.
Triticum aestivum rhizosphere bacteria, Gaeumannomyces graminis var.tritici effects on 8190.

Population growth,
colonization, rhizosphere, Pseudomonas, Mycoplana, Curtobacterium, gnotobiotics, Hordeum vulgare 4629.

Population levels,
coliforms, acidic hay effects on, feces, juveniles, cattle 9325.
effects on, sulfur, aluminum sulfate, ferrous sulfate, soil microorganisms, soil amendment 7329.
environmental changes, volcanoes, heterotrophic bacteria, lakes, USA, Washington, mountains 12155.
iron-oxidizing bacteria, sulfur bacteria, mines wastes 128.

Population structure,
effects on, predator-prey interactions, Bdellovibrio 1157.

Population studies,
antibiotic resistance, Escherichia coli, Enterobacter cloacae 12926.
Rhizobium trifolii, seasonal variations, USA, North Carolina 3731.

Populations,
bacteria microflora, phylloplane, U.V. radiation sterilization 10875.
bacteria, roots, Triticum, nitrogen sources, potassium, nutrition, aeration, effects on 3706.
bacteria, roots, Triticum, nutrient deficiencies, effects on 3705.
man, Escherichia coli, genetic variance 4100.
Rhizobium japonicum, association, surface area, roots, Leguminosae 3698.
Rhizobium japonicum, interaction soil microorganisms, fungi, mycotoxins, effects on 8156.

Populus,
lignin, cellulose, cell walls, ultrastructure, chemical analysis, biodegradation, Pseudomonas 1385.

Populus deltoides,
wetwood, anaerobic microorganisms, biochemical characteristics, identification 3665.
wetwood, pectin-degrading bacteria, Clostridium butyricum 4614.

Populus nigra,
wetwood, pectin-degrading bacteria, Clostridium butyricum 4614.

Pores,
porins, Escherichia coli membranes, aminoglycoside antibiotics diffusion 10965.

Porifera,
symbiosis, bacteria, Mediterranean Sea, Great Barrier Reef 1127.

Porins,
Escherichia coli, antigenic determinants, characterization, immunoperoxidase test 3183.
levels, antibiotic resistance mutants, Escherichia coli, carbenicillin 246.
Neisseria gonorrhoeae, outer membranes, membrane vesicles 2728.
pores, Escherichia coli membranes, aminoglycoside antibiotics diffusion 10965.
Salmonella typhimurium outer membranes, characterization, counter immunoelectrophoresis 68.
Salmonella typhimurium, proteins precursors function 2745.
Salmonella typhimurium, role, lipopolysaccharides, vaccination, mice 3255.

Pork,
slurries, Clostridium botulinum, toxins production, sodium chloride, sodium nitrite, sodium nitrate, sodium isoascorbate, polyphosphate, temperature effects, effects on 474.

Porphobilinogen synthase,
biosynthesis, Clostridium tetanomorphum, inhibition, role succinylacetone pyrrole 12577.

Porphyra,
Erythrobacter longus gen.nov. sp.nov., isolation, characterization, association, bacteriochlorophyll a 9541.

Porphyrins,
effects on Actinomyces bioluminescence 12740.
metabolism, man, leprosy 10298.

Portugal,
man, botulism, epidemiology 9133.
Salmonella paratyphi, diarrhea, outbreaks, food-borne diseases, water-borne diseases 3354.

Portunus pelagicus,
microflora, gut, bacteria 6385.

Portunus sanguinolentus,
microflora, gut, bacteria 6385.

Post-harvest decay,
Erwinia carotovora subsp.carotovaora, soft rot, latent infection, host-pathogen interactions, Lycopersicon esculentum 3658.

Post-irradiation,
treatment, mice, Propionibacterium granulosum effects on hematopoiesis 9024.

Post-irradiation, (continued)
  Yersinia enterocolitica infection, pathogenicity, animal models 2186.
Post-menopause,
  Mycobacterium tuberculosis, tuberculosis, diagnosis, man 3340.
Post-replication,
  DNA repair, U.V. radiation, temperature-sensitive mutant, chloramphenicol, Escherichia coli 1426.
Postoperative infection,
  abdomen surgery, treatment, man 12003.
  Achromobacter xylosoxidans, man, association, aorta, prosthetics 5444.
  anaerobic bacteria, association, abdomen surgery, treatment, man 10628.
  anaerobic bacteria, metronidazole prophylaxis, appendectomy, man 10377.
  anaerobic bacteria, pretreatment, tinidazole, colon, surgery, man 2230.
  anaerobic bacteria, tinidazole prophylaxis, effects on intestinal microflora, man 10286
  antibiotics prophylaxis, associaton, surgery, obstetrics, gynecology, man 9267.
  antibiotics prophylaxis, birth, man 13329.
  antibiotics prophylaxis, man, clinical trials 10502.
  antibiotics, prophylaxis, man, reviews 2200.
  antibiotics treatment, man 13322.
  appendectomy, cefamandol antibiotic prophylaxis, man 6309.
  appendectomy, complications, man, case surveys 10621.
  appendectomy, prophylaxis, metronidazole, man 5365.
  appendicitis, prophylaxis, hydrogen peroxide, topical application, clinical trials, man 3457.
  appendix surgery, prophylaxis, antibiotics, man 974.
  artery, grafting, antibiotic prophylaxis, diagnosis, man 3454.
  association, appendectomy, metronidazole prophylaxis, clinical trials, man 6291.
  association, neurosurgery, prophylaxis, neomycin, man 3510.
  association, orthopedics surgery, prophylaxis, antibiotics, man 10457.
  association, prostate, transurethral resection, antibiotics prophylaxis, man 7029
  association, surgery, colon, rectum, prophylaxis, metronidazole+fosfomycin, metronidazole+cephalothin, man 3488.
  bacteremia, bacteriuria, prophylaxis, povidone-iodine, ± gentamicin, prostate surgery, man 868.
  bacteria, association, molars ablation, treatment, phenoxymethylpenicillin, azidocillin, man 10499.
  bacteria, man, surgery, antibiotics treatment 10580.
  bacteria, prophylaxis, cephazdin± metronidazole, man 2287
  bacteria, prophylaxis, povidone iodine, topical application, man 3543.
  bacteria, source, route, man 2289.
  bacteria, surgery, man 2319.
  bacteria, treatment, heart, man 3475.
  Bacteroides fragilis, Escherichia coli, colon surgery, prophylaxis, antibiotics, man 973.
  Bacteroides fragilis, prophylaxis, clindamycin, lincomycin, man 10606.
  bowel, Escherichia coli, Bacteroides, man, case surveys 5435.
  brain surgery, Bacillus cereus meningitis, man, case reports 884.
  carcinoma, surgery, prophylaxis, adriamycin, urinary bladder, man 3399.
  cerebrospinal fluid shunts, bacteria, hydrocephalus, children 2261.
  cesarean section, cefoxitin antibiotic prophylaxis, man 6314.
  Clostridium, diagnosis, treatment, clinical aspects, man, reviews 13277.
  colon, prophylaxis, antibiotic therapy, man 4413.
  colon+rectum surgery, prophylaxis, metronidazole, man 5406.
  duodenum, microflora, man, cimetidine, effects on 2037.
  duodenum surgery, association antibiotic prophylaxis, man 6210.
  endocarditis, gram-negative bacteria, heart surgery, man 5420.
  endometritis, tinidazole prophylaxis, abortion, man 11801.
  endophthalmitis, Staphylococcus epidermidis, Staphylococcus aureus, Proteus mirabilis, treatment, man 6285.
  Escherichia coli, immunostimulation effects on, animal models 2188.
  Escherichia coli, Proteus mirabilis, bacteroides, bacteremia, anus, rectum, colon, surgery, man 839.
  head and neck surgery, prophylaxis, carbenicillin, man 937.
  head and neck surgery. prophylaxis, use, povidone-iodine, man 2260.
  heart, surgery, prophylaxis, ampicillin, cefazoline, timing, man 3513.
  hip surgery, staphylococcus aureus, staphylococcus epidermidis, man, case reports 6278.
  hysterectomy, prophylaxis, tinidazole, metronidazole, man 5374.
  immunopathology, sutures materials effects on, animal models 1028.
  incidence, etiology, treatment, man 5396.
  incidence, hospitals, man, Sweden 3519.
  incidence, risk factors, prophylaxis, man, hospitals 10555.
  kidney allografts recipients, man 969.
  lung, prophylaxis, role, sterilization, anesthesia unit, man 1986.
  lung surgery, prophylaxis, use, antibiotics, man 2256.
  man, abdomen, treatment, catheters+antibiotics 12024.
  man, characterization 10632.
  man, heart, bacteria, iodopyron treatment 11865
  man, isolation, Vibrio alginolyticus, case reports 10596.
  man, mathematical models 9215.
  man, treatment, Staphylococcus aureus drug resistance 8857.
  metronidazole prophylaxis, gynecology surgery, man 11804.
  mezlocillin treatment, clinical trials, man 13263.
  obstetrics surgery, treatment, metronidazole, man 10449
  oral microflora, tinidazole prophylaxis, dental manipulation, man 11893.
  pediatrics surgery, antibiotics prophylaxis, characterization 6292.
  penicillin prophylaxis, association, lung surgery, man 10451.
  peritonitis, man, case reports 12014.
  peritonitis, treatment, man 5423.
  peritonitis, treatment, man 5428.
  pneumonia, prophylaxis, role, bacteria filtration, anesthesia unit, man 1975.
  pneumonia, risk factors, diagnosis, etiology, man 11702.
  prophylaxis, ampicillin, metronidazole, appendicitis, man 10383.
  prophylaxis, antibiotics, nervous system surgery, man 6306.
  prophylaxis, antibiotics, relationship, surgery sites, bacteria concentration, man 3492.
  prophylaxis, antimicrobial agents, man, reviews 4518.
  prophylaxis, cefazoline, biliary tract surgery, man 4503.
  prophylaxis, man 13262.
  prophylaxis, role, environmental hygiene, operating theaters, man 2202.
  prophylaxis, tinidazole, doxycycline, digestive tract, man 10381.
  prophylaxis, use, cefuroxime, man 10444.
  Propionibacterium acnes, hip surgery, man, case reports, reviews 7135.
  prostate biopsy, Clostridium prostatitis, man, case reports 2095.
Postoperative infection, (continued)
  prostate surgery, prophylaxis, antibiotics, man 5371.
  pustule disease, man, Diabetes mellitus, inflammation response 7925.
  Pyoderma gangrenosum, gangrene, etiology, treatment, man 4514.
  relationship, bacteria concentration, surgery sites, treatment, inflammatory bowel disease, surgery, man 3462.
  relationship, skin microflora, bacteria, man 676.
  respiratory tract, association, gastrointestinal tract gram-negative bacilli, man 13149.
  risk factors, association, immune system, environmental effects, man 13258.
  risk factors, statistical analysis, man, hospitals 10523.
  risks, Staphylococcus aureus, man, case surveys 10568.
  sepsis, association, surgery, colon, rectum, prophylaxis, antibiotics, man 3365.
  sepsis, incidence, complications, man 3489.
  septicemia, colon surgery, prophylaxis, doxycycline, man 1015.
  Staphylococcus aureus, experimental, sutures materials effects on, animal models 1039.
  Staphylococcus aureus, gram-negative bacteria, Bacteroides melaninogenicus, cefazolin prophylaxis, man 13259.
  Staphylococcus aureus, Propionibacterium acnes, arthroplasty, animal models 983.
  Staphylococcus aureus, rabbits, laparotomy, pathogenesis, surgery comparison surgical diathermy 13404.
  Staphylococcus, prophylaxis, antibiotics, man 4500.
  thorax surgery, penicillin+streptomycin, flucloxacillin+ampicillin, prophylaxis, man 986.
  thorax surgery, prophylaxis, ampicillin+flucloxacillin, man 772.
  tinidazole prophylaxis, abortion, man 11794.
  tinidazole prophylaxis, irrigation, digestive tract, man 10382.
  treatment, cefotaxime, man 938.
  treatment, gentamicin, serum levels, complications, man 3471.
Postoperativeinfection,
  stomach microflora, bacteria, gastrointestinal tract surgery, man 668.
Postoperature infection,
  cataract surgery, Staphylococcus epidermidis ophthalmitis, man, case reports 954.
Postparturition,
  association, toxic shock syndrome, Staphylococcus aureus, case reports, man 9150.
  cattle, infection, Fusobacterium necrophorum, Corynebacterium pyogenes, synergism, uterus 2371.
Poststreptococcal glomerulonephritis,
  association rheumatic fever, man 13283.
  complications, diabetes, man, case reports 877.
  lymphocytes T surface markers, binding, streptococcus cell membranes, man 1881.
  presentation, Goodpasture's syndrome, man, case reports 6221.
  prognosis, man, Venezuela 857.
Potamogeton crispus,
  leaves, epiphytes, bacteria, algae, pathology, lakes, South Africa Rep. 13425.
Potassium,
  effects on acid production, Streptococcus mutans, Streptococcus sanguis 5812.
  effects on membrane potential, pH, Vibrio alginolyticus 5618.
  effects on, nitrogen fixation, Medicago sativa 8192.
  effects on Streptococcus faecalis, Escherichia coli, protonmotive force 69.
  efflux, tyrosine, phenylalanine effects on, association, peptides, Pseudomonas aeruginosa 12320.
  electrolyte balance, sepsis, Salmonella typhimurium, Macaca mulatta 2240.
  Escherichia coli, transport, pumps, lactic acid secretion 6502.
  fertilizers, effects on nodulation, nitrogen fixation, nodules enzymatic activity, Medicago sativa 1167.
  flux, Pseudomonas aeruginosa, phenol, bronopol, effects on 5613.
  gradients, Halobacterium halobium membranes, role, ATP biosynthesis 10946.
  leaching, mineralization, soils (volcanic), Achromobacter delicatulus 13489.
  metabolism, Escherichia coli, glutathione deficient mutant 12438.
  nutrition, effects on, respiration, bacteria, populations, roots, Triticum 3706.
  Streptococcus faecalis, transport, stoichiometry 6505.
  transport, characterization, Streptococcus faecalis 6493.
  transport, Escherichia coli, effects on pH gradients 57.
  transport, regulation, efflux, Escherichia coli 3882.
  Vibrio parahemolyticus, role α-aminoisobutyric acid transport 6504.
Potassium cyanide,
  effects on Pseudomonas cytochrome oxidase conformation, use subtilisin proteolysis probes, Pseudomonas aeruginosa 8567.
  inhibition electron transport, role cytochromes, mechanisms, Methylophilus methylotrophus 7480.
Potassium dihydrogen ortho phosphate,
  effects on, nodulation, nitrogenase, enzymatic activity, Vigna mungo 2476.
Potassium sorbate,
  +acids, effects on bacteria, food isolates, in vitro 3082.
  preservatives, antibacterial activity, Salmonella typhimurium 5129.
Potassium thiocyanate,
  extracts, Pasteurella multocida, antigenicity 6049.
Potein biosynthesis,
  Bacillus megaterium, growth stage effects on 8549.
Potentiation,
  cephalosporins, urinary tract bacteria, association, alafosfalin 8774.
  meclocycline, association, propyl gallate, antibacterial activity 8790.
  sulfachloropyridazine, trimethoprim effects on, in vitro, in vivo 1103.
Poultry,
  animal isolates, Brevibacterium, characterization 4537.
  antibodies effects on intestinal microflora 12038.
  Campylobacter fetus subsp.jejuni, survival, heat resistance 8832.
  isolates, Actinobacillus, Pasteurella, taxonomy, morphology, cultural characteristics, biochemical characteristics 7395.
  wastes, dimethyl disulfide metabolism, Saccharomonospora viridis 123.
Pour-plate method,
  microorganisms distribution, animals houses 6462.
Povidone iodine,
  topical application, prophylaxis, postoperative infection, bacteria, man 3543.
Povidone-iodine,
  contamination, Pseudomonas cepacia, association, bacteremia, man, hospitals 3553.
  contamination, Pseudomonas cepacia, bacteremia 6288.
  disinfectants, Micrococcus roseus contamination, man, comparison Hibistat 5962.
  effects on leukocytes antimicrobial activity, bacteria, Candida albicans 11580.
  ± gentamicin, prophylaxis, postoperative infection, bacteriuria, bacteremia, prostate surgery, man 868.
  ointments, treatment, urinary tract infection, recurrent infection, man 876.
  prophylaxis, postoperative infection, head and neck surgery, man 2260.
  treatment, decubitous ulcers, man 5430.

Powder,
cefadroxil, treatment, infection, children 1007
rhizosphere microorganisms, bacteria, effects on Solanum tuberosum growth 8269.
Power plants,
industrial effluents, effects on heterotrophic microorganisms, bacteria, aquatic environment 2486
PpGpp,
metabolism, Bacillus subtilis, role, RNA polymerase 164.
Precipitatim,
immune serum, antibodies, antigens, Treponema pallidum, purification 10171
Precipitation,
complement, induction, Streptococcus pneumoniae polysaccharides, C-reactive protein 11576
Staphylococcus capitis, association lipoprotein (high density) serum factors 12564.
Preciptinogen,
Mycobacterium tuberculosis, purification, characterization 9716
Precursors,
biotin, biosynthesis, Achromobacter 8482
hematopoietic cells, bacteria cell walls components effects on, mice 12736
Predation,
gliding bacteria, Saprospira 2424
role, competition, bacteria, fungi, protozoa 6405
Predator-prey interactions,
Acanthamoeba polyphaga, Pseudomonas paucimobilis, batch culture, continuous culture 3680
Acanthamoeba polyphage, Pseudomonas paucimobilis, soil moisture effects on 6407.
Bdellovibrio bacteriovorous, population dynamics, mathematical models 6408.
Bdellovibrio bacteriovorus, Escherichia coli, computer applications, mathematical models 12116
Bdellovibrio, population structure, effects on 1157
population dynamics, chemostats, microorganisms, mathematical models 10760.
Protozoa, growth curves, oil Protozoa 2423
Tetrahymena pyriformis, Escherichia coli, growth rate 4616.
Predators,
microorganisms association, Metaseiulus occidentalis 12086.
Predatory behavior,
Bdellovibrio, pollutants, effects on 1760.
Predisposing factors,
Haemophilus influenzae meningitis, man, case surveys 9174.
Staphylococcus aureus, pyomyositis, pharyngitis. diagnosis, treatment, man, case reports 2231.
Streptococcus group A, meningitis, children 2130
Prednisolone,
± Escherichia coli effects on leukocytes (neutrophilic) survival, glucose utilization, Escherichia coli clearance, dogs, in vitro 13040
treatment, rheumatic fever, man 980
treatment, Streptococcus group A infection, mice 5487
treatment, tuberculosis, association, pericardium effusion, man, case reports 2292
Prednisone,
treatment, otitis media, man 10330.
Pregnancy,
association, bacteria vaccination, man 11633
association, genital tract infection, treatment, cefotaxime, man 2102
association, immune response, Listeria monocytogenes, mice 7931
association, leprosy, dapsone drug resistance development, immunosuppression, man, Mycobacterium leprae 3280.
association, leprosy, pathology, man, Ethiopia 3279
association, pertussis, man 802.
association, streptococcus, Escherichia coli, bacteriuria, diagnosis, man 4521.
association, tuberculosis, diagnosis, treatment, man, reviews 4387.
association, urinary tract infection, man, Nigeria 10385.
association, vagina infection, Streptococcus group B, detection, fluorescent antibody test, man 4427.
bacteriuria, clinical isolates, antibiotic sensitivity testing, man 12881
bacteriuria, immune response, man 1893.
bacteriuria, tests, screening, man 2066.
Campylobacter infection effects on, man 2245.
Chlamydia trachomatis, cervix, infection, association, conjunctivitis, nasal infection, neonates, man, incidence 2190.
cholestasis association, relationship, urinary tract infection, man 13208.
endocarditis, Streptococcus mitior, vancomycin, treatment, man 7169.
gonorrhea, screening, relationship, prophylaxis, man, Malaysia 927.
hamsters, experimental infection, Leptospira canicola, kidney pathology 2076.
infants, association, Streptococcus group B incidence, man 10633.
infertility, role, genital microflora, man 4430.
man, association, Escherichia coli cystitis 7053
man, association, Streptococcus group B peritonitis, case reports 5384
man, cervix microflora association 13071.
man, detection, pyuria, bacteriuria, nitrite test, urinalysis 2059.
man, Gardnerella vaginalis bacteriuria 2069.
man, genitourinary tract infection, bacteria, pathology, immunity, reviews 2061
man, incidence, Streptococcus group B, maternal transfer, neonates 2085.
man, infection, bacteria, antibiotics treatment 9256.
man, ovary cyst, Salmonella typhi, case reports 2086.
man, relationship, treatment, infection, antibiotic 6059-S 2103.
man, serum, Rickettsia tsutsugamushi antibodies 577.
man, Streptococcus group B carriers antibody response 576.
man, Streptococcus infection, clinical aspects, treatment, effects on fetuses, neonates 2232.
man, syphilis diagnosis 7076.
mice, Streptococcus group B, experimental infection, pathogenicity 3571
pigs, vaccination, live Escherichia coli, immunoglobulin A, serum levels 4339.
rabbits, rats, Streptococcus pyogenes, endotoxins, exotoxin A effects on 10106.
sheep, Chlamydia psittaci experimental infection 1081.
Streptococcus group B carriage, vagina, man 970.
tuberculosis, association, man 5412.
uterus infection, prophylaxis, treatment, cefmetazole, effects on fetuses, man 869.
vaccination, Escherichia coli, antibody response, maternal transfer, immunity (passive), juveniles, pigs 5257.
Prephenate dehydratase,
purification, defective, pheA gene, mutants 4038.
self-association, Escherichia coli 4051.
Prephenate dehydrogenase,
chorismate mutase, purification, characterization, Escherichia coli 8583.
purification, characterization, mutants, plasmids transformation, Escherichia coli 11138.
Preproinsulin,
Escherichia coli, biosynthesis 9719.
Preservation,
bone allografts, silver, antibacterial activity 8846.
Enterobacteriaceae, Neisseria gonorrhoeae, Streptococcus, Branhamella, Haemophilus, Gemella, Pseudomonas, Flavobacterium, Bacteroides, gelatin disc drying method, media (transport) 6454.
specimens, sampling, clinical microbiology, hospitals 12225.
Preservatives,
antibacterial activity, Clostridium botulinum, growth, toxins biosynthesis 5964.
antibacterial activity, Clostridium botulinum, spore germination, spore outgrowth 12949
bacteria, wood decay 12356
canned food, emulsifiers antibacterial activity, anaerobic bacteria 12940.
cosmetics, neutralization, bacteria media (culture), role 8259.
food, butylated hydroxyanisole, antibacterial activity, Bacillus 7849.
potassium sorbate+sodium chloride, antibacterial activity, Salmonella typhimurium 5129.
sodium nitrite, inhibition, Clostridium botulinum, metabolism, cured products 8820.
Pressure,
helium, effects on mutagenesis, growth, Salmonella typhimurium 2635.
oxygen, liver, rats, Escherichia coli, Bacteroides fragilis, experimental infection, effects on 3630.
ureter, +urinary tract infection, children, effects on kidney parenchyma 11795.
ureter, +urinary tract infection, children, effects on kidney parenchyma 11815.
Pressure effects,
bacteria, microflora, Hirondella gigas, temperature effects, isolation, benthic zone, marine environments 3651.
intestinal microflora, Amphipoda, Holothuroidea, growth 1128.
Pressure tolerance,
bacteria, Isolation, deep sea, Hirondellea gigas carcasses 10805
extraterrestrial life, microorganisms, Jupiter 13532.
Pretreatment,
postoperative infection, anaerobic bacteria, tinidazole, colon, surgery, man 2230.
Prevention,
dental caries, children, fluoride tablets long-term effects 10308.
rheumatic fever, man, epidemiology 10589.
wood decay, bacteria, preservatives 12356.
Primary production,
metabolites, phytoplankton exudates, utilization, bacteria 10813.
nitrifying bacteria, marine environment, Antarctica 1234.
nitrogen cycle, research programs 9438.
organic matter, marine environment 2480.
phytoplankton, bacteria, biogeochemistry cycles, seasonal variations, lakes 8235.
phytoplankton, size distribution, exudates, nutrient sources, bacteria, coastal environment, eutrophic environments 12163.
Primary structure,
Fusobacterium nucleatum peptidoglycans 1567.
Primates,
Bacillus anthracis toxins, pathophysiology, reviews 6861.
dental plaque isolates, Lactobacillus animalis sp.nov., biological properties 12267.
Ureaplasma, isolation, antigenic characteristics 5202.
Primosomes,
Escherichia coli, initiation proteins, purification, characterization 9717.
Prisons,
man, incidence opportunist infection, bacteria 13332.
Pristinamycin,
treatment, joint diseases, bone diseases, Staphylococcus aureus, infants, man 999
Probenecid,
treatment, gonorrhea, man 2171.
Probes,
membrane potential, Bacillus subtilis, assays, cations, fluorescence 5617.
Procaine,
inhibition, maltose, lactose, transport 1341.
Procaine hydrochloride,
effects on tyramine oxidase, arylsulfatase, Klebsiella aerogenes 4931.
Procaine penicillin,
treatment, pneumonia, man 782.
Procarbazine,
induction, phage, prophages, Escherichia coli 2897.
Processing,
nitrate reductase, Escherichia coli, assembly, cell membranes 2798.
RNA, Escherichia coli 8502.
tRNA precursors, ribonuclease E, Escherichia coli 6579.
Prochloron,
rRNA 5S, nucleotide sequence 5725.
Proctitis,
Chlamydia trachomatis, clinical aspects, homosexuals, man 2158.
role, microorganisms, males, homosexuality 5324.
Procyon lotor,
Dermatophilus congolensis infection, occurrence, USA, New York 3636.
isolation, incidence, Rickettsia rickettsii, USA, Connecticut 1004.
Prodigiosin,
Serratia marcescens, biosynthesis 12870.
Serratia marcescens, biosynthesis, sodium dodecyl sulfate effects on 5693.
Productivity,
bacteria, intertidal environment, deposit feeding effects on, Amphibola crenata, New Zealand coastal environment 8189.
heterotrophic bacteria, measuring techniques, radioassays 9522.
Neisseria gonorrhoeae penicillinase, association urethritis man, ampicillin treatment 6245.
Products,
bacteria, association, lymphocytes transformation immunomodulation, man 10201.
skin cleaning, bacteria contamination, chlorhexidine antibacterial activity 446.
Progesterone,
effects on Bacteroides 8408.
levels, sheep, Chlamydia psittaci experimental infection, pregnancy 1081.
role, Chlamydia trachomatis genitourinary tract infection, animal models 2054.

Prognosis,
bacteremia, septicemia, role, enumeration, microorganisms, blood culture 2246.
Enterococcus bacteremia, man 10446.
exanthematous typhus, man 9312.
indicators, C-reactive protein, antibody-coated bacteria, urinary tract infection, cefaclor treatment, man 10402.
meningitis, Haemophilus influenzae, children 9173.
nosocomial infection, disease control, man, reviews 10504.
Pelger-Huet anomaly, tuberculosis, clinical aspects, case reports, man 11970.
pertussis, man 1977.
poststreptococcal glomerulonephritis, man, Venezuela 857.
respiratory tract infection, antibacterial agents treatment, man 11718.
rheumatic fever, rheumatic heart diseases, Streptococcus group A, man, Czechoslovakia 8048.
rheumatic heart disease, children, Nigeria 2263
tuberculosis, lung, man 11722.
tuberculosis, lung, man 11723.
Proinsulin,
biosynthesis, characterization, Escherichia coli, plasmid pBR322 6768.
Prokaryotes,
DNA base composition ratio, relationship, mutation 12508.
models ribosomes structure, evolution, rRNA 5S ribosomal protein L3 interaction, comparison yeasts 8505.
respiration energy, tricarboxylic acid cycle 2682.
rRNA, nucleotide sequence, secondary structure, comparison eukaryotes 3895.
Proliferation,
bacteria, intestine, neonates, man, colostrum feeding regimens effects on 11655.
leukocytes (mononuclear), association, fungi, Mycobacterium, antigens, Mycobacterium antigens immunosuppression, man 7949.
lymphocytes T, activation, lymphocytes B, staphylococcus aureus 11623.
lymphocytes T, receptors Clostridium tetani toxoids antigenic determinants 7950.
lymphocytes T subpopulations, tuberculosis, man 10187.
lymphocytes T, tuberculin stimulation, tuberculosis, man 10189.
macrophages, precursors, Pseudomonas aeruginosa, exotoxins, inhibition 10242.
Malus pumila, Mycoplasma-like organisms persistent infection 12098.
Pasteurella multocida, vaccination, effects on, lymphocytes, rabbits 10266.
Proliferation disease,
Malus, Mycoplasma-like organisms, infection 10747.
Proline,
Escherichia coli, biosynthesis, x-glutamyl phosphate reductase 171.
levels, proteins, genetic engineering, Escherichia coli 9723.
transport, role eup gene coupling protons transport, Escherichia coli, mutants 2882
uptake, association, nitric oxide reduction, Paracoccus denitrificans 12425.
L-Proline,
transport, role, putA gene, Escherichia coli, gene products , putP gene 6508.
Proline dehydrogenase,
Clostridium sporogenes, purification, characterization, enzyme kinetics 2797.
Proline permease,
Salmonella typhimurium, function, association, osmotic stress 12662.
Prolyl hydroxylase,
inhibition, antibiotic P-1894B, Streptomyces, biosynthesis 2988
Prometryne,
bacteria, biodegradation, sulfur nutrient sources 5647.
effects on, Cicer arietinum, nodulation, nitrogen fixation 7331.
Promicromonospora citrea,
polymorphism 12351.
Promoters,
activity, Escherichia coli, association, termination factor rho 8692.
arabinose promoter, multiple forms, cloning, DNA nucleotide sequence, Escherichia coli 11264.
DNA nucleotide sequence, histidine, arginine, transport operons, Salmonella typhimurium 11040.
dnaA gene, rpmH gene, nucleotide sequence, Escherichia coli 12515.
Escherichia coli galactose operon, cyclic AMP, effects on 4807.
Escherichia coli, phoA gene, nucleotide sequence, signals proteins, amino acid sequence 4093.
Escherichia coli, plasmids, gene regulation, DNA nucleotide sequence, bacteriocins operons 5876.
Escherichia coli, uvrB gene, nucleotide sequence, regulation 2858
R factor R6-5, RNA polymerase binding sites 9873.
genes, Bacillus subtilis, transcription, regulation, nucleotide sequence 1584.
ilv gene, λ phage transduction Salmonella typhimurium, DNA nucleotide sequence, comparison Escherichia coli 1439.
lac promoter, regulation transcription, Escherichia coli 7647.
lac UV5 promoter, interaction, bacteria RNA polymerase subunits 2790.
lactose promoter, mutants, Escherichia coli 4105.
lactose promoter, structure-activity relationships, Escherichia coli 11276.
nucleotide sequence, α-amylase genes, Bacillus amyloliquefaciens 4799.
nucleotide sequence, mal T gene, clones, gene products, identification, purification, Escherichia coli 11062.
nucleotide sequence, phage SP01, binding RNA polymerase+proteins, gene 28 4130.
nucleotide sequence, RNA polymerase association, Bacillus subtilis 159.
ompA gene, cyclic AMP-binding protein binding sites, nucleotide sequence, Escherichia coli 1634.
phage λ, gene regulation penicillinase, tryptophan synthetase, Escherichia coli, construction cloning vectors 5028.
phage SP01, binding RNA polymerase σ subunit Bacillus subtilis, transcription 2890.
phage SP82, RNA polymerase binding, role δ subunit, Bacillus subtilis 6575.
phage T7, association, genetic engineering, recombinants plasmids, RNA polymerase, transcription, DNA 5036.
psi promoter× lac Z gene, phosphate effects on gene expression, Escherichia coli 11274.
regions, cDNA nucleotide sequence, rrnG locus, Escherichia coli 7644.
regions, location, DNA nucleotide sequence, colicin E1 genes, Escherichia coli 5814.
regions, penP gene, nucleotide sequence, RNA polymerase interaction, Bacillus licheniformis 7666.
regulation tryptophan operon transcription, Escherichia coli 7649.
RNA polymerase substrate specificity, phage ΦX174 DNA, Micrococcus luteus, Escherichia coli 11042.
tRNA Tyr genes, RNA polymerase binding, guanosine 3'-diphosphate 5'-diphosphate regulation 9680
role, gene expression, URA1 gene, Escherichia coli, Saccharomyces cerevisiae 6710.
Promoters, (continued)
selection, RNA polymerase subunits role, Lactobacillus curvatus 11132.
sites, DNA, stability, role RNA polymerase regonition, Escherichia coli 6571.
str operon, Escherichia coli 6701.
transcription, Escherichia coli, gpt gene, SV40, polyoma virus, transfection 12767.
transcription, RNA polymerase, strands exchange, Escherichia coli 4820.
transcription, transposon Tn10, Salmonella typhimurium 12752.
Propagation,
phage P4, presentation, plasmids, Escherichia coli, characterization 9861.
Propagules,
size, bacteria, relationship, population density, soil 2461.
1,2-Propanediol,
metabolism, nutrient sources, propylene oxide, Nocardia 8647.
Propanediol dehydratase,
pyridoxal 5'-phosphate chemical modification, inactivation, Klebsiella pneumoniae 4055.
Propanil,
Pseudomonas biodegradation 9634.
Prophages,
lysogeny, aflatoxin B1, metabolites, induction, Bacillus megaterium, comparison, Salmonella typhimurium 8714.
phage λ, DNA, recombinants, gene expression, genetic control, Escherichia coli 2892.
phage λ, induction, Escherichia coli, galactose operon expression 4993.
phage λ, induction, heat treatments, Escherichia coli rRNA degradation 5860.
phage, Escherichia coli, induction, procarbazine 2897.
phage Mu, lysogeny, bacteria, genetic analysis, biochemical analysis 8721.
phage P1, transduction, Escherichia coli, argF gene, gene products, characterization 7679.
phage P1, transduction R factor NR1, recombination 9872.
Salmonella typhimurium, Bacillus megaterium, aflatoxin B_1 induction 1635.
Prophylaxis,
abortion, bacteria, sheep, goats, Cyprus 1087.
aminoglycoside antibiotics, gram-negative bacteria infection, man 12002.
anaerobic bacteria infection, nitroimidazoles, man, conferences 10849.
anaerobic bacteria infection, 5-nitroimidazoles, man 11979.
antibiotic therapy, postoperative infection, colon, man 4413.
antibiotics, infection, man 6284.
antibiotics, pediatrics surgery, postoperative infection, characterization 6292.
antibiotics, postoperative infection, appendix surgery, man 974.
antibiotics, postoperative infection, association, prostate, transurethral resection, man 7029.
antibiotics, postoperative infection, man, reviews 2200.
antibiotics, septicemia, association, cholecystectomy, man 9311.
antibiotics, septicemia, association, urinary tract surgery, man 7103.
antibiotics, surgery, wound infection, bacteria, characterization, man 7206.
antibiotics, urinary tract infection, man 5326.
bacteria dental caries, fluoride treatment, man 13102.
bacteria dental disorders, adolescents 13094.
bacteria dental disorders, children 13109.
bacteria infection, man 11933.
bacteria infection, man, reviews 11980.
bacteria, infection, tooth, adolescence, children, man 4368.
bacteria, kidney diseases, erythromycin, eggs, Oncorhynchus kisutch, factors affecting 3588.
bacteria, postoperative infection, cephalosporins, heart surgery, man 2252.
bacteria, postoperative infection, cephazdin± metronidazole, man 2287.
bacteria, urinary tract infection, man, females 4426.
bacteriuria, cephradine treatment, association, surgery, man 10579.
Bacteroides fragilis, Escherichia coli, postoperative infection, colon surgery, antibiotics, man 973.
Bordetella bronchiseptica, tracheobronchitis, parainfluenza virus, vaccination, dogs 3645.
Brucella ovis, infection, Brucella melitensis, vaccination, sheep, males 4327.
burn infection, hospitals, man, USA 11902.
campylobacteriosis, vaccination, efficacy, males, cattle 3259.
cefaclor, rifampacin, Haemophilus influenzae infection, association, saliva, serum levels, man 11990.
cefmetazole, uterus infection, pregnancy, effects on fetuses, man 869.
children, Haemophilus influenzae type b, rifampicin drug resistance, disease transmission, meningitis 8856.
Clostridium tetani, tetanus, man 4535.
Clostridium tetani, tetanus, man, hospitals 5356.
Clostridium tetani, tetanus, vaccination, man 4347.
Clostridium tetani, tetanus, vaccination, man 4348.
Clostridium tetani, tetanus, vaccination, man 4349.
Clostridium tetani, tetanus, vaccination, man 5247.
Clostridium tetani, tetanus, vaccination, man, Italy 5360.
cotrimoxazole, pivmecillinam, prostatectomy, man 7034.
cotrimoxazole, treatment, bacteria infection, man, in vitro antibacterial activity 11459.
cotrimoxazole, urinary tract infection, nosocomial infection, bacteria, man 847.
dental caries, association, teeth mineralization, man 3307.
dental caries, calcium lactate, food additives, rats 10300.
dental caries, children, man 3308.
dental caries, evaluation, man 1965.
dental caries, fluoridation, man, reviews 3303.
dental caries, fluoride, adolescents, man 10307.
dental caries, fluoride, children 10306.
dental caries, fluoride, children, Finland 713.
dental caries, fluoride, man, reviews 3286.
dental caries, fluoride, man, reviews 3299
dental caries, fluoride, man, Switzerland 3300.
dental caries, man 3309.
dental caries, man 9079.
dental caries, man, reviews 9080.
dental caries, periodontal diseases, man 3304.
dental caries, radiation treatment, carcinoma, man 13107.
dental caries, Streptococcus mutans, association, immunostimulation, muramyl dipeptide, man 3231.
dental caries, Streptococcus mutans, maternal effects, man 13101.
dental caries, Streptococcus mutans vaccination, man 9042.
dental caries, use, lasers, man 3302
dental caries, vaccination, development, man 3247.
dental caries, vaccination, Streptococcus mutans, antigens, monkeys 3254.

Prophylaxis, (continued)
dental disorders, fluoride dentifrices, bacteria 13115
dental plaque, dogs, gingiva keratinization 12047
diarrhea, bacteria, etiology, treatment, epidemiology, children, Costa Rica 11780.
diarrhea, bacteria, treatment, man 11791
diarrhea Escherichia coli, colonization factor, Sepharose, rabbits 10356
diseases, vaccination, man 9045
doxycycline, septicemia postoperative infection, colon surgery, man 1015.
endocarditis, Streptococcus pneumoniae vaccination, animal models, in vivo, in vitro 618
endocarditis, streptococcus viridans, antbiotics, children 6304
endocarditis Streptococcus viridans, dental manipulation, antibiotics, man 11888.
endocarditis, Streptococcus viridans, incidence, man 7218
enteritis, Escherichia coli, cattle, neonates, reviews 4568
Enterobacteriaceae enteritis, infection, vaccination, animal models, man 11647
gas gangrene, association, cellulitis, morbidity, mortality, man 10600.
gas gangrene, Clostridium perfringens, association, amputation, penicillin, metronidazole, man 10576
genital tract infection, penicillin, pivampicillin, abortion, man 11814
gonorrhea, bacteremia, vaccines, man 3257.
gonorrhea, relationship, screening, pregnancy, man, Malaysia 927
graft-versus-host reaction, antibiotics sterilization, heart valves replacement, man 1006
hog cholera, swine erysipelas, combined vaccines, hog cholera virus+Erysipelothrix rhusiopathiae, pigs, field trials 632.
hydrogen peroxide, topical application, postoperative infection, appendicitis, clinical trials, man 3457
immunocompromised hosts, cotrimoxazole, Enterobacteriaceae septicemia, drug resistance 8863
infection, antibiotics, association, cesarean section, man, reviews 4484
infection, antibiotics, children 9241
infection, association, cesarean section, use, lincomycin, man 10447
infection, association, urinary tract endoscopy, cephazolin, comparison, gentamicin, man 10386
infection, association, vagina hysterectomy, ceforanide, comparison, cephalothin, man 11987
infection, bacteria, fungi, immunocompromised hosts, man, reviews 5372.
infection, complications, diabetes mellitus, man 10461.
infection, methicillin, association, cerebrospinal fluid shunts, children 9315.
infection, neutropenia, association, digestive tract decontamination, yeasts, bacteria, man 10279
infection, neutropenia, cotrimoxazole, aminoglycoside antibiotics± carbenicillin, ± ticarcillin, man 7119
infectious diseases, China, People's Rep. 13288
infective endocarditis, man, reviews 9239
leprosy, BCG vaccination, children, Uganda 3241
leprosy, incidence, man, Tanzania 13085
leptospirosis, kidney, Leptospira interrogans ser.pomona vaccination, pigs 1950.
lung postoperative infection, role, sterilization, anesthesia unit, man 1986.
man, carcinoma, treatment, effects on microflora 9067
man, tuberculosis lung, reviews 6194.
mastitis, antibiotics, relationship, weaning, sheep 2391.
mastitis, cattle, antibiotics 5483
mastitis, Staphylococcus aureus vaccines, sheep 619.
mastitis, vaccination, cattle 7244
mastitis-metritis-agalactia syndrome, antibiotics, feeds, pigs 5454
meningitis, man 2118
meningitis, man, case reports, Neisseria meningitidis 896
meningitis, rifampicin± minocycline, man, Arctic 3410.
meningitis, septicemia, antibiotics, neonates, man 10533
meningitis, Streptococcus pneumoniae, man 2117.
metronidazole, appendectomy, association, postoperative infection, clinical trials, man 6291
Mycobacterium tuberculosis infection, association, granuloma formation inhibition, immunosuppressive agents, protoplasm, mice 9009
nosocomial infection, burn infection, association, antibiotic resistance bacteria, man, hospitals 10550.
nosocomial infection, control programs, man, hospitals 10558.
nosocomial infection, man, hospitals, conferences 10840.
nosocomial infection, man, hospitals, reviews 10512.
nosocomial infection, surveillance methodology, man 10525.
oral diseases, man 3750.
otitis media, antibiotics, children 13131.
Pasteurella, infection, vaccination, cattle, juveniles 4344.
penicillin+streptomycin, flucloxacillin+ampicillin, postoperative infection, thorax , surgery, man 986.
periodontal diseases, hydrogen peroxide, inactivation, endotoxins, bacteria, man 4238
peritonitis, diagnosis, treatment, man 7193.
pertussis, man 1977.
pneumonia, nosocomial infection, Bacillus, gram-negative bacteria, man 7979.
postoperative infection, ampicillin, metronidazole, appendicitis, man 10383.
postoperative infection, anaerobic bacteria, metronidazole, appendectomy, man 10377.
postoperative infection, anaerobic bacteria, tinidazole, effects on intestinal microflora, man 10286.
postoperative infection, antibiotics, associaton, surgery, obstetrics, gynecology, man 9267.
postoperative infection, antibiotics, birth, man 13329.
postoperative infection, antibiotics, clinical trials, man 10502.
postoperative infection, antibiotics, nervous system surgery, man 6306.
postoperative infection, antibiotics, relationship, surgery sites, bacteria concentration, man 3492.
postoperative infection, antimicrobial agents, man, reviews 4518.
postoperative infection, appendectomy, metronidazole, man 5365.
postoperative infection, association, lung surgery, penicillin, man 10451.
postoperative infection, association, orthopedics surgery, antibiotics, man 10457.
postoperative infection, bacteremia, bacteriuria, povidone-iodine, ± gentamicin, prostate surgery, man 868.
postoperative infection, bacteria, povidone iodine, topical application, man 3543.
postoperative infection, Bacteroides fragilis, Bacteroides fragilis, clindamycin, lincomycin 10606.
postoperative infection, carbenicillin, head and neck surgery, man 937.
postoperative infection, carcinoma, surgery, adriamycin, urinary bladder, man 3399.
postoperative infection, colon+rectum surgery, metronidazole, man 5406.
postoperative infection, endometritis, tinidazole, abortion, man 11801.
postoperative infection, head and neck surgery, use, povidone-iodine, man 2260.
postoperative infection, heart, surgery, ampicillin, cefazoline, timing, man 3513.
postoperative infection, hysterectomy, tinidazole, metronidazole, man 5374.
postoperative infection, lung surgery, use, antibiotics, man 2256.
postoperative infection, man 13262.
postoperative infection, man, hospitals 10555.
postoperative infection, metronidazole, gynecology surgery, man 11804.
postoperative infection, neomycin, association, neurosurgery, man 3510.
postoperative infection, oral microflora, tinidazole, dental manipulation, man 11893.
postoperative infection, pneumonia, role, bacteria filtration, anesthesia unit, man 1975.
postoperative infection, prostate surgery, antibiotics, man 5371.
postoperative infection, role, environmental hygiene, operating theaters, man 2202.
postoperative infection, sepsis, antibiotics, association, surgery, colon, rectum, man 3365.
postoperative infection, Staphylococcus aureus, gram-negative bacteria, Bacteroides melaninogenicus, cefazolin, man 13259.
postoperative infection, thorax surgery, ampicillin+flucloxacillin, man 772.
postoperative infection, tinidazole, abortion, man 11794.
postoperative infection, tinidazole, doxycycline, digestive tract, man 10381.
postoperative infection, tinidazole irrigation digestive tract, man 10382.
postoperative infection, use, cefuroxime, man 10444.
Pseudomonas aeruginosa, Escherichia coli, Klebsiella pneumoniae, infection, cancer patients, children, man 4464.
psittacosis, Chlamydia psittaci, Brotogeris versicolorus chiriri 2362.
pyelonephritis, Escherichia coli vaccination, antibody response, rats 5260.
recurrent infection, toxic shock syndrome, use, antibiotics, man, USA 11490.
respiratory syncytial virus infection, vaccination, cattle, juveniles 4350.
salmonellosis, horses, reviews 2353.
scours, Escherichia coli vaccines, cattle 10276.
sexually-transmitted diseases, bacteria 6249.
sexually-transmitted diseases, man, reviews 2165.
sexually-transmitted diseases, role, contraceptives, man 2154.
shigellosis, association, bacteriocins production Escherichia coli, animal models 13184.
Staphylococcus aureus, dermatitis, mastitis, teat dips, hygiene, cattle 7279.
Staphylococcus aureus mastitis, teat dips, chlorhexidine digluconate+glycerin, cattle 5453.
Staphylococcus, infection, space flight, man 2214.
Staphylococcus, postoperative infection, antibiotics, man 4500.
Streptococcus, endocarditis, man 4491.
Streptococcus pneumoniae otitis media, role, vaccination, antibody response, chinchillas 6999.
swine erysipelas, Erysipelothrix rhusiopathiae vaccination+medicine feed additives, immune response, pigs 5255.
tetracycline, association, Yersinia enterocolitica antibodies levels, man 8973.
tetracycline, cholera, Vibrio cholerae, epidomics association, man 10367.
tinea capitis, leprosy, Mycobacterium leprae, People's Republic of China, man 13245.
tonsillitis, respiratory tract infection, immunostimulation aerosols, man 4319.
transplants, infection, man 2299.
travellers, bacteria infection 13053.
travellers diarrhea, Escherichia coli, doxycylcine, bismuth subsalicylate 9143.
urethritis, antibiotics, man 13207.
urinary tract infection, bacteria, geriatrics, man 7035.
urinary tract infection, cotrimoxazole, children 5331.
Vibrio infection 11929.

β-Propiolactone,
inactivation, Salmonella abortus-equi, vaccines, vaccination, rabbits, guinea-pigs 4340.

Propionamide,
levels, bacteria cell walls, mass spectroscopy 9589.

Propionate,
metabolism, microorganisms, anaerobic environments, salt marshes 12713.

Propionibacterium,
antibacterial activity, sulbenicillin 4174.
cervical microflora, children 9070.
characterization, taxonomy 37.
clinical isolates, antibacterial activity, ceftazidime 5078.
dental plaque microflora, man, New Zealand 725.
etiology, acne, man, reviews 4360.
intestinal microflora, bowel, children, cefotiam, effects on 1918
isolation, abscesses, pigs 8094.
Micrococcaceae, diphtheroids, antagonism, skin isolates, man 1156.
relationship, incidence, Staphylococcus aureus, nose microflora, man 667.
relationship, odors, axilla, man 3262.
skin isolates, antagonism, man 3681.
strains, catalase, peroxidase, superoxide dismutase, activity, respiration 12666.

Propionibacterium acnes,
acne, association, antigen-antibody complexes serum levels, man 6943.
acne, incidence, man, Ethiopia 6940.
acne, Keratinization, man 4365.
acne, pathogenesis, treatment, adolescence 11678.
acne, tetracycline, minocycline, effects on, skin lipids, man 13082.
acne, treatment, adolescence 11677.
acne, treatment, benzoyl peroxide, man 677.
acne, treatment benzoyl peroxide, man 6149.
acne, treatment, erythromycin, antibacterial activity, man 1927.
acne, treatment, retinol+α-tocopherol, man 1938.
activation, complement alternative pathway, man 533.
antibiotic resistance, tetracyclines, clindamycin, erythromycin 11439.
cell surface, chemical modification, effects on splenomegaly, mice 9331.
cell walls biosynthesis, relationship, reticuloendothelial system stimulation 3818.
central nervous system shunts infection, septicemia, diagnosis, man, case reports 883.
clinical isolates, neuraminidase biosynthesis 8621.
etiology, acne, man, reviews 5269.

Propionibacterium acnes, (continued)
experimental infection, pathogenicity, mice 10149.
extracellular enzymes detection 12616.
growth, media (culture), lecithin effects on 12389.
infection, man, association, osteomyelitis, spine 9252.
infection, quantitation methodology, association, Septicemia, man 13347.
isolation, Kaposi's sarcoma, role, pathogenesis, case reports, man 7174.
lipase biosynthesis, antibiotics effects on 1735.
lipase, purification, characterization 2768.
phagocytosis, macrophages, vaccines, induction, splenomegaly, mice 102o5.
postoperative infection, arthroplasty, animal models 983.
postoperative infection, hip surgery, man, case reports, reviews 7135.
prostaglandins, purification, gas chromatography, spectrometry 12717.
protaglandins like compounds, activity 4069.
Propionibacterium granulosum,
genital microflora, cattle 9326.
post-irradiation treatment, mice, effects on hematopoiesis 9024.
role, etiology, mastitis, cattle 3635.
Propionibacterium shermanii,
acyl-CoA carboxylase, characterization, isolation 2792.
ATP, levels, growth, factors affecting 12423.
cells, localization, ribonucleotide reductase, association, cobalamin 12674.
fatty-acid synthetase characterization 12625.
glycolysis, gluconeogenesis, association pyruvate kinase activity 12653.
immobilized cells, nucleotides biosynthesis 12524.
methylmalonyl-CoA epimerase, purification, characterization 2767.
mixed culture, Lactobacillus acidophilus, commensalism, growth rate, glucose, lactate 10762.
Propionic acid,
gas-liquid chromatography, Thermoactinomyces vulgaris, Thermomonospora fusca, Thermoactinomyces candidus 5795.
3″-O-Propionylleucomycin A_5,
antibacterial activity, synthesis, structure 3032.
Propolis,
bactericidal activity, pH effects 3043.
Propranolol,
effects on, intestine, secretion, Escherichia coli, enterotoxins, pigs 11525.
treatment, Escherichia coli enterotoxemia diarrhea, animal models mice 6201.
treatment, tetanus, neruological complications, man 10421
Propyl gallate,
association, meclocycline potentiation, antibacterial activity 8790.
Propylene oxide,
nutrient sources, Nocardia, 1,2-propanediol, metabolism 8647.
sterilization, Bacillus subtilis var.niger spores 445.
Propylparaben,
antibacterial activity, Salmonella typhimurium, characterization 8819.
Prorennin,
genes, cattle, cloning, Escherichia coli 4095.
Prorocentrum,
algal blooms, decomposition, bacteria, marine environment, Japan 6437.
Prorocentrum micans,
exudates, primary production metabolites, utilization, bacteria 10813.
Prosopis,
drought stress, nitrogen fixation, nodulation 10795.
Prostacyclin,
biosynthesis, macrophages, stimulation, Salmonella enteritidis endotoxins, role, endotoxin shock, rats 5162.
Prostaglandin E_2,
levels, epinephrine effects on, man 716.
Prostaglandin F1α,
levels, Escherichia coli endotoxins hypotension, rabbits 493.
Prostaglandins,
Propionibacterium acnes, purification, gas chromatography, spectrometry 12717.
regulation lymphocytes proliferation antigens, Mycobacterium leprae, Mycobacterium tuberculosis 6073.
treatment, Escherichia coli, endotoxins, lung endotoxemia, sheep 10114.
Prostate,
bacteria contamination, infertility, man 10388.
biopsy, association, bacteria urinary tract infection, man 11827.
biopsy, association, prostatitis, Clostridium, treatment, man, case reports 2095.
surgery, postoperative infection, prophylaxis, antibiotics, man 5371.
surgery, prophylaxis, postoperative infection, bacteriuria, bacteremia, povidone-iodine, ± gentamicin, man 868.
transurethral resection, association, postoperative infection, antibiotics prophylaxis, man 7029.
Prostatectomy,
bacteriuria, prophylaxis, cotrimoxazole, pivmecillinam, man 7034.
Prostatitis,
bacteria, diagnosis, radioimmunoassay, solid phase methods, man 8911.
bacteria, treatment, carbenicillin derivatives, man 2084
Chlamydia trachomatis, metronidazole treatment, case reports, man 13191.
Clostridium, association, prostate biopsy, treatment, man, case reports 2095.
experimental infection, Klebsiella pneumoniae, pathology, females, Mastomys natalensis 2074.
immunoglobulin G, immunoglobulin A, immune response, Escherichia coli 590.
Ureaplasma urealyticum, treatment, tetracycline+erythromycin, hamsters 10340.
Prostecochloris aestuarii,
Chlorophyll a, electrons Acceptors, role, reaction centers, E.S.R., spectroscopy 7489.
Prosthecochloris aestuarii,
reaction centers, electrons acceptors 143.
reaction centers, pigments, bacteriochlorophylls, spectrophotometry 7483.
Prosthetic groups,
alcohol dehydrogenase (acceptor), characterization, Hyphomicrobium 3959.
interaction apoflavodoxin, N.M.R., Megasphaera elsdenii, Azotobacter vinelandii 3874.
Prosthetics,
endocarditis, Moraxella nonliquefaciens, treatment, penicillin, man 7190.
man, association, Mycobacterium fortuitum infection 10464.
man, postoperative infection, Achromobacter xylosoxidans 5444.
mitral valve, Streptococcus bovis, endocarditis, association, neoplasia, colon, man 3521.
Protaglandins,
Propionibacterium acnes, like compounds, activity 4069
Protamine,
+ferritin complex labelling, detection, Bacillus subtilis cytoplasmic membranes
Protamine, (continued)
surface charge 10957.
Protaminobacter ruber,
biosynthesis, cyanocobalanin, bacteriochlorophylls, regulation, factors affecting 3888.
glyoxylate biosynthesis, coenzyme A 4791.
methylcobalamin, adenosylcobalamin, conversion, methionine synthase, cyanacobalamin 150.
Protected environments,
hospitals, effects on, neutropenia, bacteria, infection, man 2313.
Protection,
juveniles, sheep, infection, Eperythrozoon ovis, suckling behavior 9371.
microflora, Salmonella typhimurium, Escherichia coli, infection, chickens 13357.
Proteeae,
susceptibility, cephalosporins, aminoglycoside antibiotics, antibacterial activity, species diversity 9987.
P protein,
interaction, histidine, arginine transport proteins, higJ gene, argJ gene, Salmonella typhimurium 2861.
Protein A,
Bacillus sphaericus spores, U.V. radiation radioresistance 6849.
detection, Staphylococcus aureus, skin isolates 35.
immunoglobulin G binding, Staphylococcus aureus, encapsulation effects on 609.
levels, Staphylococcus aureus strains, role, agglutination 9503.
like activity, Streptococcus group A 1871.
phage fd, N-terminus fragments purification, role adsoption Escherichia coli 6727.
purification, association virulence, Aeromonas salmonicida 1853.
Staphylococcus, I.R. radiation spectroscopy 12296.
Staphylococcus aureus, absorption, Pseudomonas aeruginosa, serum antibodies, cystic fibrosis, immunological aspects 4308.
Staphylococcus aureus, activation, opsonization, complement alternative pathway, activation 4269.
Staphylococcus aureus, binding, fibronectin 168.
Staphylococcus aureus, detection, use, enzyme-linked immunosorbent assay 1848.
Staphylococcus aureus, histidine, role, immunoglobulin G, binding 11555.
Staphylococcus aureus, leukocytes (polymorphonuclear), immunosuppression, phagocytosis, chemotaxis 6089.
Staphylococcus aureus, mice, spleen, effects on immune response 8974.
Staphylococcus aureus, secondary structure, C.D. 11125.
Staphylococcus aureus, skin response, man 1924.
Staphylococcus, interaction, immunoglobulin G, complement C1 activity, immunoglobulins preparation 11127.
Staphylococcus mutants, production, purification 6607.
Staphylococcus, role, inflammation, mice 6102.
Streptococcus group A, isolation, use, nitrous acid 3926.
Protein B,
Bacillus sphaericus spores, U.V. radiation radioresistance 6849.
colicin E3, amino acid sequence, Escherichia coli 4147.
Protein biosynthesis,
assembly, spore coats, Bacillus subtilis, sporulation, genetic factors 1476.
association factor I, inhibition, N-formylmethionyl-tRNA binding ribosomes, Bacillus stearothermophilus 9690.
Bacillus subtilis spores, characterization, association, sporulation 8551.
bacteria, dietary intake effects on, cattle 10638.
bacteria, drug resistance mutants, tuberactinomycin derivatives effects on 9976.
bacteria, regulation, guanosine 3'-diphosphate 5'-diphosphate metabolism 9648.
bacteria, translation, role antibiotic resistance 5942.
basic proteins, relationship DNA nucleotide sequence, Escherichia coli 9675.
col 1b plasmid, colicins, effects on, phage T7, Escherichia coli 9859.
Coxiella burnetii, nutrient requirements 1474.
effects on 4-hydroperoxicyclophosphamide, Escherichia coli 5709.
elongation factor Tu, Escherichia coli, inhibition, analogs, aurodox, kirromycin 3907.
elongation factor Tu, kirromycin effects on, Escherichia coli 3897.
Escherichia coil mutants, association, selenalysine metabolism 8463.
Escherichia coli, growth rate, tufA gene 4808.
Escherichia coli, inhibition, rifampicin 1465.
Escherichia coli, plasmid pTiC58 DNA, Agrobacterium tumefaciens 5870.
Escherichia coli, relationship phosphate operon, reviews 12806.
Escherichia coli, tetracycline, minocycline, effects on 1734.
eukaryotes, Escherichia coli, elongation factor Tu, inhibition 8530.
Halobacterium halobium, temperature effects, salinity tolerance, Mexico 2655.
inhibition, Bacillus subtilis, competence, DNA, degradation, binding, temperature effects 1437.
inhibition, cobalt chloride, effects on RNA biosynthesis, Escherichia coli 2721.
inhibition, thermorubin role, mechanisms, ribosomes, Escherichia coli 6592.
inhibitors, U.V. radiation lesions, phage Sd, DNA repair pathway, Escherichia coli 6724.
kirromycin effects on, ribosomes, bacteria 11079.
kirromycin inhibition, elongation factor Tu mutants, Escherichia coli 3898.
lipid biosynthesis effects on, outer membranes, Escherichia coli 3938.
membrane turnover, outer membranes, Escherichia coli 11092.
micrococcin inhibition, mechanisms, Streptomyces azureus 4157.
microorganisms, rumen, sheep, feeding trials, nitrogen sources, effects on 3559.
microorganisms, sheep, rumen, linseed oil effects on 10637.
Mycobacterium smegmatis, phage I3 4984.
phage λ infection effects on, Escherichia coli 5849.
phage PM2, infection, Alleromonas espejiana, kinetics, characterization 7680.
phage SPO1, Escherichia coli, transcription regulation, genes 5857.
phage T7, inhibition Escherichia coli 11291.
polyamines deficient mutant cell-free system, Escherichia coli 6577.
purines, pyrimidines, Streptomyces adephospholyticus nucleoside 5'-diphosphate-3'-diphosphates, nucleoside 5'-triphosphate-3'-diphosphates, regulation 5718.
regulation, Escherichia coli adenosinetriphosphatase 12638.
relationship, developmental stages, Caulobacter crescentus 64.
Rhizobium, fungicides effects on 3089.
role ribosomal proteins, ribosomal subunit 50S, Bacillus stearothermophilus 4809.
role tRNA binding rRNA 5S, ribosomal subunit 50S, Escherichia coli 7512.
rumen, isobutylidine diurea, nitrogen sources, nutrients digestion, cattle 8080.
rumen microorganisms, association, ammonia, sheep 6326.
rumen microorganisms, in vitro, in vivo, nicotinic acid effects on 6321.
Saccharomyces cerevisiae spheroplasts, inhibition, Corynebacterium diphtheriae toxins 6004
Staphylococcus aureus, association, α-toxin formation 6602.

Protein biosynthesis, (continued)
Streptococcus mutans, peptidoglycans biosynthesis, morphology, penicillin, effects on 4179
Streptomyces, antibiotic resistance, antibacterial activity, nosiheptide 5945.
Streptomyces aureofaciens, tetracycline effects on 7421
Streptomyces erythreus, ribosomes role antibiotic resistance, erythromycin 7840.
Streptomyces fradiae, neomycin biosynthesis effects on 1466
streptomycin effects on, polyamines modulation, auxotrophs, Escherichia coli 3910
SV40 DNA, plasmids, Escherichia coli 2951
translocation mechanisms, mRNA+tRNA+ribosomes 8498
Protein composition,
Actinobacillus actinomycetemcomitans, Actinobacillus, Haemophilus aphrophilus, clinical isolates 6678.
association, proteinase, electrophoresis, Legionella 11118
characterization, lipid membranes extraction, Acholeplasma laidlawii 7631.
chromatophores, Rhodopseudomonas sphaeriodes 8481
Escherichia coli membranes, mutation, cpxA gene, cpxB gene, effects on 12788.
leaves, grain, Sorghum vulgare, nitrogen soil applications effects on 1221.
Methanogenic bacteria ribosomes 12554.
Mycoplasma gallisepticum membranes 12343.
plasma membranes 9701
Protein compostion,
Shigella flexneri cell membranes 8363
Protein I,
Neisseria gonorrhoeae, antigens, serotyping, comparison, agglutination, enzyme-linked immunosorbent assay 8900
Neisseria gonorrhoeae, content, relationship, serum effects on 3230.
Neisseria gonorrhoeae, peptide mapping, antigenic determinants 9698.
Protein III,
Neisseria gonorrhoeae, peptide mapping, antigenic determinants 9698.
Neisseria gonorrhoeae, peptide mapping, structure 8550.
Protein kinase,
activity, Escherichia coli, phage T7 induction, characterization 9851.
multiple forms, phosphorylation, Salmonella typhimurium, characterization 7612.
Protein M,
conformational analysis, Streptococcus, cell surface 4844.
lipoteichoic acid binding, cell walls, Streptococcus pyogenes 6672.
secondary structure, comparison tropomyosin, cell surface, Streptococcus 1470.
Streptococcus equi, lymphocytes stimulation, horses 11608
Streptococcus group A, lymphocytes cytotoxicity, pathogenesis, rheumatic fever 7110.
Streptococcus group A, reactivity, hybridoma, monoclonal antibodies, immunization (passive), mice 11560
Protein P,
phosphate effects on biosynthesis, role anions transport, reconstitution models, Pseudomonas aeruginosa 6605.
Protein S,
purification, characterization, Myxococcus xanthus 3940
Protein turnover,
Escherichia coli, chemostats 3837.
Streptomyces roseus, role, leupeptin biosynthesis 5044.
Proteinase,
activity, lon gene mutants, Escherichia coli 5755.
Aeromonas hydrophila, accumulation, media 1804.
association, protein composition, electrophoresis, Legionella 11118.
Bacillus cereus,
Bacillus licheniformis, sporulation, growth, carbon sources, effects on 1409.
Bacillus mesentericus, inhibitors biosynthesis 8625.
Bacillus mesentericus, purification, characterization 12575
Bacillus stearothermophilus, isolation, purification, methodology 11165.
Bacillus subtilis, biosynthesis, nutrient requirements 12639
Bacillus subtilis casein hydrolysis 12569
Bacillus subtilis, extracellular enzymes biosynthesis, sporulation 8573.
Bacillus subtilis, extracellular enzymes role antibiotic tolerance, nafcillin 7822.
Bacillus subtilis mutants, biosynthesis 7600.
Bacillus thermoproteolyticus, calcium binding, N.M.R. 9762.
Bacteroides melaninogenicus, isolation, characterization 189.
Bacteroides ruminicola, enzyme kinetics, rumen 2811
biosynthesis, Bacillus megaterium, growth stage effects on 8549.
biosynthesis, Bacillus subtilis var.amyloliquefaciens, extracellular enzymes, association nitrogen nutrient requirements 12598.
biosynthesis, Clostridium perfringens, growth, inhibition, casein 4769.
biosynthesis, Streptomyces rimosus, Streptomyces violaceus, mixed culture, media composition 11216.
cell walls, characterization, Streptococcus cremoris 5787.
colicins, fragmentation, Escherichia coli 5901.
DNA binding proteinase effects on, Escherichia coli 9788.
effects on, biological activity, structure, Pseudomonas aeruginosa, exotoxin A 3129.
enzymatic activity, biosynthesis, Legionella pneumophila, in vitro 198.
Erysipelothrix rhusiopathiae 11215.
Escherichia coli, localization 6636.
immunoglobulin A, bacteria, characterization, role infection man 9728.
inhibitors effects on proteolysis, rumen microorganisms 12659.
isolation, characterization, lon (capR) gene products, Escherichia coli 1525.
lactic acid bacteria, plasmids, genetic engineering, cheese production, reviews 4112.
Legionella, peptides substrate specificity 11211.
leukocytes (neutrophilic), effects on Neisseria gonorrhoeae outer membranes membrane proteins 541.
metabolism, Thermoactinomyces vulgaris, surfactants effects on 11453.
mice skeletal muscle, toxins effects on 6860.
multiple forms, purification, characterization, plasma membranes, Escherichia coli 9745.
Neisseria gonorrhoeae, susceptibility, peptidoglycans biosynthesis, β-lactam antibiotics, effects on 1565.
production, association, Proteus mirabilis instability 9778.
production, Vibrio parahaemolyticus, extracellular enzymes, carbon sources effects on, growth rate correlation 12618.
proteolysis, mechanisms, Escherichia coli 12578.
Proteus mirabilis, production, gelatin culture 9779.
Proteus mirabilis, secretion, survival, pathogenicity, mice 8946.
Pseudomonas aeruginosa infection, antibody response, cancer patients 3190.
Pseudomonas aeruginosa, radioimmunoassay, virulence, cystic fibrosis, man 11142.
Proteinase, (continued)
Pseudomonas aeruginosa, role pathogenicity, reviews 11540.
Pseudomonas aeruginosa, virulence, endotoxins 11244.
Pseudomonas fluorescens, biosynthesis, milk, characterization 5788.
Pseudomonas fluorescens, purification, characterization 4020.
Pseudomonas fluorescens, stability, temperature 4879.
purification, characterization, membranes, Micrococcus lysodeikticus 9752.
purification, characterization, Pseudomonas fluorescens 11184.
purification, characterization, Thermus aquaticus 11147.
purification, Pseudomonas, marine environments isolation 8592.
role, pathogenicity, bacteria, detection, egg yolk agar, media (culture) 2513.
Serratia marcescens, role, keratitis pathology, rabbits 1091
spore-forming bacteria, physicochemical properties, structure, evolution 12581.
Staphylococcus aureus, effects on coagulase test 4692.
Staphylococcus aureus, nucleosomes, histones cleavage 4043.
Staphylococcus staphylolyticus, production coordination 12683.
Streptococcus bovis, growth, in vitro, rumen 3556.
Streptococcus group B, clinical isolates, neuraminidase, antigens, association, virulence, mice 3182.
Streptomyces griseus, tryptophan methyl ester hydrolysis, kinetics, stereoselectivity 4882.
Vibrio cholerae, extracellular polymers, characterization 11096.
virulence, Pseudomonas aeruginosa, Galleria mellonella 8133.
Proteinase I,
purification, physicochemical properties, kinetics, Achromobacter lyticus 3980.
substrate specificity, Achromobacter lyticus 3970.
α1-Proteinase inhibitor,
plasma, man, Serratia marcescens microbial metalloproteinase inactivation 7543.
Proteinases,
Streptomyces fradiae, immobilized cells, batch culture 2779.
Proteins,
Acholeplasma laidlawii cytoplasm, isolation, characterization 1467.
antibacterial activity, gram-negative bacteria, immunity (humoral), Galleria mellonella, Hyalophora cecropia, Lepidoptera 3227.
antigens, detection, association Escherichia coli DNA clones, immunoassays 7902.
araC gene, genetic engineering, Escherichia coli 11095.
association, 5'-terminus, plasmid pSLA1, plasmid PSLA2, Streptomyces 12849.
association, diphtheria toxins, injection effects on toxicity, animals, Corynebacterium diphtheriae, cytotoxicity, cell lines 10088.
association, Escherichia coli autolysis, induction, regulation 12342.
Azotobacter vinelandii, effects on, Rhizobium nodulation, Glycine max, Vigna unguiculata, Trifolium repens 5528.
Bacillus brevis, secretion, cell walls, morphology, factors affecting 1370.
Bacillus cereus, spores, exudates, enhancement, bacteriostasis, S-nitrosomercaptoethanol 2741.
Bacillus subtilis spore coats, precursors biosynthesis 1479
bacteriochlorophyll a, complex, chromatium vinosum, C.D. 3867.
Bacteroides fragilis outer membranes, isolation, characterization 4716.
Bacteroides oralis, isoelectric focusing 8490.
binding, DNA, interactive, assays 3752.
binding, isolation, Streptococcus pyogenes, association, heart, kidney 11111.
binding penicillin, plasma membranes, selenomonas ruminantium 3823.
biodegradation, continuous culture, retention time 10994.
biogeochemistry, biodegradation, detritus, macrophytes, estuaries 12165.
cell membranes, insertion models, association, translation 8536.
cell membranes, Streptococcus faecium, role, β-lactam antibiotics resistance 9990.
cell surface, Haemophilus influenzae, identification, antibodies, radioactive labelling+immunoprecipitation 525.
cell surface, Streptococcus sanguis, purification, characterization, role, adherence, saliva, coatings, surfaces 2617.
cell wall, structure, growth, Bacillus sphaericus 8383.
cell walls, permeability, Bacillus subtilis, Streptococcus pneumoniae, deficient mutant, autolysis, effects on 1377.
characterization, Bacillus brevis, cell walls, envelopes 12567.
characterization, Lactobacillus lactis 3922.
chemotaxis, methylation, characterization, cheB gene, cheR gene, Escherichia coli 2860.
Chlamydia trachomatis, serotypes, antigens, radioactive labelling, electrophoresis, characterization 1478.
cloacins receptors, Enterobacter cloacae, Escherichia coli, role iron uptake 8368.
cobalt-porphyrin, purification, physicochemical properties, Desulfovibrio desulfuricans 6612.
colostrum, cattle, Streptococcus lactis fermentation effects on 12416.
conformation role, bacteria cytochrome P-450 reduction, association, carbon monoxide 12495.
Cucumis sativus, characterization, defense mechanisms, disease resistance, Pseudomonas lachrymans, Erwinia tracheiphila 8141.
cya gene, lactose operon, gene fusion, Escherichia coli adenylate cyclase biosynthesis regulation 12671.
cyclic AMP receptors, cyclic AMP binding effects on structure, N.M.R., Escherichia coli 4839.
3':5'-cyclic-nucleotide phosphodiesterase inhibitors, isolation, characterization, Escherichia coli 2738.
degradation, Salmonella typhimurium peptidase deficient mutant 260.
dental plaque, characterization, man 730.
dietary intake, effects on, immunity (cell-mediated), Listeria monocytogenes, mice 9020.
digestion, Ruminantia, rumen microorganisms role 13074.
digestion, Ruminantia, rumen microorganisms role 13074.
+DNA, complex, Escherichia coli, characterization 12549.
DNA, complex, phage Pf1, purification, characterization, Pseudomonas aeruginosa 2903.
DNA, complex, phage Pf1, structure, Pseudomonas aeruginosa, electron microscopy 2902.
DNA plasmids, association, Streptomyces 6736.
effects on growth, clay minerals, soil microorganisms 8186.
elongation factor Tu, Bacillus stearothermophilus, binding, magnesium ions, manganese ions 4829.
emergence domains, ribosomes, Escherichia coli 7507.
envelopes formation, mechanisms, Escherichia coli 2599.
envelopes, Micrococcus radiodurans, structure, chemical analysis 11108.
enzymes, electrophoresis, Rhizoctonia solani isolates, sheath blight, Oryza sativa 12557.
Escherichia coli cell membranes, comparison 8534.

Proteins, (continued)
Escherichia coli cell membranes, structure 8553.
Escherichia coli dnaB gene, activity stabilization, role, ADP, ATP 4845.
Escherichia coli, gene lamB, secretion mechanisms association, translation 9693.
Escherichia coli, initiation, replication, purification, characterization 9717.
Escherichia coli, lamB gene, association, transport, maltodextrin, maltose 8637.
Escherichia coli, localization 8552.
Escherichia coli outer membranes, characterization, man isolates 1468.
Escherichia coli, outer membranes, endotoxins, mitogens, identification, characterization 3168.
Escherichia coli outer membranes, mitogenicity, association, mice, immune response 9001.
Escherichia coli outer membranes, structure 3933.
Escherichia coli, ribosomes release, dimethylmaleic anhydride induction, role, antibiotics, elongation factor G 11090.
Escherichia coli, secretion mechanisms, mutation effects on 8533.
Escherichia coli uvrC gene, isolation, characterization 1622.
flagella, genes, gene expression, peptide mapping, Caulobacter crescentus 12751.
function, cell membranes, Escherichia coli, conjugation deficient mutant 12556.
galactose, binding, Escherichia coli, amino acid sequence 7535.
gene lamB, phage λ receptors, Escherichia coli cell membranes 8535.
gene malK, gene malF, Escherichia coli, role, transport, maltose, maltodextrin 8635.
gene products, mer gene, Escherichia coli, characterization 6613.
gene 28, +RNA polymerase, binding, promoters, nucleotide sequence, phage SP01 4130.
gene 44 phage T4 amber mutant, DNA biosynthesis association, Escherichia coli 9849.
glutamine binding, amino acid sequence, Escherichia coli 1473.
Haemophilus influenzae, role, DNA uptake 1365.
Halobacterium salinarium, mutants, gas vacuoles, characterization, morphology 2626.
heat shock biosynthesis, gene regulation, gene hin, Escherichia coli 9838.
helix, structure, pili, spikes, bacteria, viruses 1375
infection, man, eye diseases, antibiotics treatment 10492.
initiation, DNA biosynthesis, Escherichia coli, dnaZ gene interaction 7503.
interaction DNA, DNA-binding protein, DNA topoisomerase, recA gene protein, reviews 7495
iron, nitrogenase, inactivation, characterization, Rhodospirillum rubrum 4927.
isolation, ferrichrome iron complex receptors, antigenic characteristics, Escherichia coli outer membranes 11558.
Klebsiella oxytoca, Klebsiella pneumoniae, beer isolates 80.
lamB gene, Escherichia coli, localization, genetic analysis 8531.
leaves, disease resistance role, secondary infection, Pseudomonas syringae ± tobacco mosaic virus 8144.
levels, intestine, microflora, effects on, gnotobiotics (germfree), mice 10636.
lipids interaction, reconstitution membranes, Micrococcus luteus 5809.
localization, association, pili formation, Escherichia coli 10936.
membranes, characterization, Escherichia coli 2737.
membranes, Escherichia coli, immunity, colicins, plasmids, gene products, gene mapping 3071.
membranes, Escherichia coli, Proteus mirabilis, Enterobacter cloacae, β-lactam antibiotics penetration 10964.
membranes, Mycoplasma gallisepticum, role, attachment, erythrocytes 2620.
metabolism, mice, intestinal microflora effects on 13414.
methylation, amino acids effects on, chemotaxis, Bacillus subtilis 8385.
Methylophilus methylotrophus, occupational exposure, hypersensitivity, man 13035.
methylotrophic bacteria, amino acid composition, growth conditions effects on 12571.
methylotrophic bacteria, electrophoresis, phylogeny 12263.
mineralization, soil microorganisms, thidiazuron effects on, crops 2456.
misreading, association, amino acid starvation, Escherichia coli 5720.
molecular weights, phages, Escherichia coli 4119.
molybdenum, iron, nitrogenase, X-ray diffraction, Clostridium pasteurianum 7544.
myocardium, contractility, endotoxin shock, Escherichia coli, effects on, animal models 484.
Neisseria gonorrhoeae, antigens, outer membranes, immunoprecipitation 6889
ompF gene, btuB gene, proteins colicin A uptake, Escherichia coli 4722.
organization, reaction centers, chromatophores membranes, cross-linking, Rhodospirillum rubrum 3921.
outer membranes, association, Haemophilus influenzae recurrent infection, man 11999.
outer membranes, Escherichia coli, ompA gene, gene expression 12805.
outer membranes, Pseudomonas aeruginosa, role, antibiotic resistance, cystic fibrosis clinical isolates 397.
outer membranes, Salmonella typhimurium, levels, growth rate, effects on 2743
penicillin-binding protein, Streptomyces rimosus, transpeptidase, plasma membranes 2583.
periplasmic space, Escherichia coli, gene localization, association, chromosomes replication termination 12793.
phage λ, injection, Escherichia coli 269.
phage λ receptors, characterization, Escherichia coli cell surface 1636.
phage λ S gene, effects on Escherichia coli inner membranes 12303.
phage Mu DNA, transfection, Escherichia coli spheroplasts 6729.
phage 2 receptors, maltose-binding protein, interaction, Escherichia coli 5008.
phages, purification, characterization, role killing, Bacillus subtilis 7671.
phosphoenolpyruvate-sugar phosphotransferase, isolation, characterization, Salmonella typhimurium, methodology 1491.
pili, Escherichia coli, secondary structure, antigenic determinants 10168.
polysaccharides complex, Haemophilus influenzae type b, vaccination, antibody response, man 3243.
+polysaccharides complex, Haemophilus influenzae type b, association, antibody response, lymphocytes stimulation, rabbits, neonates 3195
precursors, Salmonella typhimurium, function, Porins, phages receptors 2745.
proline levels, genetic engineering, Escherichia coli 9723
Pseudomonas aeruginosa, outer membranes, lipopolysaccharides, characterization 2742.
reaction centers, N-terminus amino acid sequence, purple membranes, Rhodopseudomonas sphaeroides 11123.
recA gene, Escherichia coli, pBEU14 plasmid, overproduction 1612.
receptors, phage T5, fhuA gene, antigen O effects on, Escherichia coli 2901
regulation, bglBSRC operon, β-glucoside metabolism, Escherichia coli 4101.
relationship dnaK gene, Escherichia coli 5825.
retention, gnotobiotics, chickens, Lactobacillus acidophilus, Lactobacillus salivarius, Lactobacillus fermentum, effects on 2398.
Rhizobium lupini bacteroids, periplasmic space 12315

Proteins, (continued)
ribosomal subunit 30S, interface, ribosomal subunit 50S, identification, Escherichia coli 8507.
rifamycin binding, Escherichia coli, isolation, affinity chromatography 2744.
rumen microorganisms, biodegradation, cattle, juveniles 3563.
Salmonella typhi antigens, antibody response, intestine levels, radioimmunoassay, typhoid fever, man 1855.
Salmonella typhi antigens, antibody response, serum levels, radioimmunoassay, typhoid fever, man 1854.
Salmonella typhimurium cell membranes, role, conjugation 1342.
Salmonella typhimurium, phage P221 induction, characterization 8719.
serum, proteolytic enzymes activity, Serratia marcescens, clinical isolates 11221.
signals, Escherichia coli, amino acid sequence, phoA gene, promoters, nucleotide sequence 4093.
spore coats, Bacillus thuringiensis, Bacillus cereus, characterization, biological control, Manduca sexta, Aedes aegypti 5729.
stabilization, intestine, mice, role, intestinal microflora 6329.
Staphylococcus aureus antigens, characterization 1862.
Staphylococcus aureus, capsules, amino acid composition, hydroxyproline 2740.
Staphylococcus aureus, Staphylococcus epidermidis, cell walls, binding, fibronectin 1331.
Streptococcus group B, immune response, characterization 10193.
Streptococcus mutans antigens, purification, characterization 1860.
Streptococcus mutans, competition, antigens, purification, immunosorbents, column chromatography 510.
Streptococcus mutans genes, cloning, Escherichia coli, association, antigenic characteristics 11272.
Streptococcus salivarius, cell walls, antigens, purification, function, adherence, characterization 10167.
subunits, arrangement, cell walls, Lactobacillus buchneri, characterization 1364.
subunits, pili, Escherichia coli, assembly, characterization 1371.
survival, soil 10768.
thylakoids, characterization, photosynthesis, Rhodopseudomonas sphaeroides 3947.
thylakoids, purification, role, photosynthesis, Rhodopseudomonas sphaeroides 3946.
transport, cell membranes 8541.
transport, Escherichia coli, biosynthesis, localization, regulation, structure, genetic analysis 5730.
transport, histidine, arginine, higJ gene, argJ gene, P protein interaction, Salmonella typhimurium 2861.
transport, reviews 7407.
Ureaplasma, strains, cell membranes, cytoplasm, electrophoresis 12568.
Vibrio cholerae, toxins, catalysts, ADP-ribosylation 10072.

Proteolipids,
complex, electron transport, Rhodopseudomonas sphaeroides 11242.
purification, characterization, Bacillus subtilis 9804.
Streptococcus mutans, characterization 4082.
structure, function, membranes, reviews 7405.

Proteolysis,
bacteria, marine environments, Japan, association, animals cadavers decomposition 8458
bacteria ± phages infection, genetic control 7657.
chymotrypsin, pyruvate dehydrogenase (lipoamide) multienzyme complexes, N.M.R., Bacillus stearothermophilus 11168.
cobalt effects on recA gene protein activity, Escherichia coli 11098.
3':5'-cyclic-nucleotide phosphodiesterase, kinetics, Escherichia coli 1508.
β-D-galactosidase, Escherichia coli 6622.
mechanisms, proteinase, Escherichia coli 12578.
oligo-1,6-glucosidase structure, comparison Bacillus thermoglucosidius, Bacillus cereus 11187
phage λ repressors, recA gene proteins stimulation DNA-binding protein, Escherichia coli 5005
proteinase inhibitors effects on, rumen microorganisms 12659.
susceptibility, oligo-1,6-glucosidase, comparison Bacillus thermoglucosidius, Bacillus cereus 9765.
Thermoactinomyces vulgaris, media (culture) effects on 4764.

Proteolytic enzymes,
activity, serum proteins, Serratia marcescens, clinical isolates 11221.
Bacillus, clinical isolates 12644.
Bacillus mesentericus, purification, characterization 12597.
Bacillus subtilis, activity, specificity 12649.
characterization, starter cultures, bacteria 5785.
dairy industry, production, technology, conferences 6450.
liver macrophages release, association liver diseases, Corynebacterium parvum endotoxins, rats 8038.
proteolytic, Bacateroides ruminicola, factors affecting 1540.
Pseudomonas fluorescens, factors affecting 7597.

Proteus,
antibacterial activity, aminoglycoside antibiotics 6783.
antibacterial activity, cefotaxime, cephalosporins 5914.
antibacterial activity, cefotiam 1721.
antibacterial activity, cephaloridine, cephalexin, cefuroxime, in vitro, in vivo 7777.
antibacterial activity, meclocycline, potentiation, association, propyl gallate 8790.
antibiotic resistance, cephalosporins inhibition penicillinase 8814.
antibiotic sensitivity testing, methodology 6780.
antibiotic T-1551, antibacterial activity 9964.
antibiotics activity, 7-hydroxytropolon 6773.
bacteriocin typing 4710.
bekanamycin antibacterial activity 6786.
bioassays, ceftazidime, antibacterial activity 5093.
biosynthesis, penicillinase, inhibition, sulbactam, antibiotic synergism, mice 361.
cattle semen isolates, antibiotic sensitivity testing 5047.
cefmetazole, antibacterial activity, serum levels, man, high-performance liquid chromatography 9947.
cefotiam antibacterial activity 1719.
ceftazidime, antibacterial activity, in vitro 357.
cervix microflora, man, association pregnancy 13071.
clinical isolates, antibiotic sensitivity testing, penicillins, drug sensitivity testing, quinolones, co-trimoxazole 4175.
clinical isolates, capetimycin, antibacterial activity 8768.
clinical isolates, cefoperazone, antibiotic sensitivity testing 11375.
clinical isolates, ceftazidime, antibacterial activity 5077

Proteus, (continued)
Clinical isolates, trimethoprim drug resistance 10061
detection, disinfection, milking machines, mastitis, cattle 2347
etiology, pathogenesis, pneumonia, man 4381.
hospitals role, nosocomial infection, incidence 8031
incidence, hospitals role, nosocomial infection, man 8033.
incidence, hospitals role, nosocomial infection, man 8033
incidence, lakes, USSR 12172
infection, aminoglycoside antibiotics, treatment, prophylaxis, man 12002.
infection, Boophilus decoloratus, isolation 7293
infection, cefoperazone treatment, man 10608.
infection, cefotaxime treatment, children 6267
infection, cefotaxime treatment, intensive care units, man 6281
infection, cefotaxime treatment, man 6265
infection, cefotaxime treatment, man 6272.
infection, children, enterocolitis, treatment, antibiotics± adaptogens 10362.
infection, epidemiology, man, isolates, antibiotic sensitivity testing 10559
infection, man 938
infection, man, meningitis, moxalactam treatment 9168
infection, treatment, ceftazidime, man 5441
meningitis, clinical aspects, children 10417.
mezlocillin+metronidazole antibacterial activity, aerobic conditions 8780.
otolaryngeal infection, man, antibiotics treatment 10323.
pathology, epithelium, urinary bladder, experimental infection, rats 2104
penicillinase biosynthesis, detection methodology 1515.
plasmids mediation, antibiotic resistance, aminoglycoside antibiotics 401.
pneumonia, corticosteroids treatment, man, case reports 11736.
postoperative infection, man, surgery, antibiotics treatment 10580.
resistance, mutagenesis, U.V. radiation 4099.
role, mastoiditis, children 1987
trimethylamine oxide, anaerobic respiration, phosphorylation, serine, transport 5660
urinary tract infection, association, spinal cord injuries, man 2081
urinary tract infection, cefazolin, +dicloxacillin treatment, man 10393.
urinary tract infection, man, antibacterial activity, cinoxacin, DNA biosynthesis inhibition 8829
urinary tract infection, netilmicin, antibacterial activity, man 7043.
urinary tract infection, treatment, piperacillin, man 4421.
urinary tract infection, treatment, trimethoprim+sulfamethoxypyrazine, man 2077.
Proteus hauseri,
nephrotic syndrome, diagnosis, man, case reports 859
Proteus inconstans,
antibacterial activity, cefotiam 6800.
Proteus indole,
antibacterial activity, antibiotic HR 756 1729.
Proteus mirabilis,
N-acetylglucosaminyl-N-acetylmuramyl-dipeptide, isolation peptidoglycans digestion 2826.
anaerobic respiration, linkage, formate dehydrogenase 8626.
antibacterial activity, cefotaxime, cephalosporins 5914
antibacterial activity, synergism, oxytetracycline+EDTA-tromethamine, oxytetracycline+dimethyl sulfoxide 4190.
antibiotic resistance, β-lactam antibiotics 5958
antibiotic resistance, tetracycline, in vitro 381.
antibiotic sensitivity testing, β-lactam antibiotics, mecillinam, drug sensitivity testing, nalidixic acid, co-trimoxazole 4169.
antibiotic sensitivity testing, association, trimethoprim, hospitals 11458.
antibodies, serum levels, relationship, surgery, man 550.
association, plasmids, plasmid RP4, Escherichia coli, transfer chromosomes 5885.
bacteremia, postoperative infection, anus, rectum, colon, surgery, man 839.
bacteriuria, ureter, persistent infection, antibody-coated bacteria, immune response, man, case reports 3378.
burn infection, animal models, Pseudomonas aeruginosa, burn infection, animal models 945
burn infection, experimental infection, pathology, rats 10528.
challenge, lung, defense mechanisms, mice, proteins deficiency diets, effects on 3220.
clinical isolates, antibacterial activity, ceftazidime 5079.
clinical isolates, antibacterial activity, gentamicin, sisomicin, aminosidine, rifamycin 1706.
clinical isolates, identification, bacteriocin typing 8347.
contamination, skin cleaning products, chlorhexidine antibacterial activity 446.
cystitis, experimental infection, treatment, trimethoprim+sulfadiazine, juveniles, horses 2379.
decubitus ulcers infection, geriatrics 9076
dibekacin antibacterial activity 6785
drug resistance, antibiotic resistance, R factors, incidence 3061.
drug resistance, trimethoprim, urinary tract isolates 452.
electron transport chain, quinones specificity 9666.
endophthalmitis, postoperative infection, treatment, man 6285.
Escherichia coli, R factor RP4, transfer 12865.
experimental infection, mezlocillin treatment, mice 13261.
foot infection, incidence, treatment, man 4470.
N-formimidoyl thienamycin, antibacterial activity, comparison, antibiotics 9938.
infection, Boophilus decoloratus, isolation 7293.
infection, Galleria mellonella immunity, Naja naja atra cobra venom factor effects on 3192.
infection, man, antibacterial activity, ceftriaxone 9216.
infection, man, treatment, mezlocillin, comparison, carbenicillin 10595.
infection, netilmicin treatment, man 10617.
infection, treatment, cefotiam, children 2306.
infection, treatment, cephalosporins, man 4502.
instability, association, proteinase production 9778.
intestinal microflora, role, inflammation, diabetes mellitis, hamsters 4539.
lipopolysaccharides, antigen O, immunochemistry, association, N-acetyl-D-glucosamine 8655.
lipopolysaccharides, characterization 9799.
lipopolysaccharides, interaction, phages receptors 7678.
mastitis, pathology, cattle, case reports 7246.
media (selective), urine culture 4664.
membranes proteins, β-lactam antibiotics penetration 10964.
meningitis, brain abscesses, neonates, man, case reports 10423.
molybdenum cofactors, purification, oxidation products 12727.
nosocomial infection, catheters contamination, geriatrics 10529.
outer membranes, swarming effects on 8391.
penicillinase, inhibition, clavulanic acid 11166.
Proteus mirabilis, (continued)
peptidoglycans biosynthesis, association, cell division 4078.
phage 5006M, binding, Escherichia coli RNA polymerase 5858.
proteinase production, gelatin culture 9779.
proteinase secretion, survival, pathogenicity, mice 8946.
recA gene, cloning, use plasmid pBR322 4975.
recovery surfaces, antibacterial activity, aerosols disinfectants 7847.
swarming, effects on, metabolism 2606.
thymidine incorporation, β-lactam antibiotics effects on 5101.
urease inhibition, N-[diaminophosphinyl]-4-fluorobenzamide, association, vesical calculus treatment, man 12592.
urinary tract infection, azlocillin treatment, man 11812.
urinary tract infection, cefotaxime treatment, man 6213.
urinary tract infection, diagnosis, prophylaxis, geriatrics, man 7035.
urinary tract infection, man, antibiotics treatment 10394.
urinary tract infection, risks, ileovesical diversion, dogs 5463.
urinary tract infection, treatment, flumequine, nitrofurantoin, man 2056.
urinary tract infection, treatment, fosfomycin, man 7032.
urinary tract infection, treatment, nalidixic acid+cotrifamol, children 2075.
xanthogranulomatous pyelonephritis, pathology, diagnosis, man, case reports 2090.
Proteus morganii,
antibacterial activity, cefodizime 6809.
clinical isolates, antibacterial activity, ceftazidime 5066.
fatty acids biodegradation 226.
infection, man, treatment, mezlocillin, comparison, carbenicillin 10595.
infection, Thunnus, histamine release, epidemiology, food poisoning, man 13367.
infection, treatment, antibiotic 6059-S, children 2320.
infection, treatment, cefotiam, children 2306.
lysine decarboxylation, plasmids, characterization, taxonomic significance 6758.
penicillinase inactivation ceftazidime, kinetics 5120.
penicillinase production, experimental infection, association, treatment, β-lactam antibiotics, animal models 7150.
penicillinase, purification, characterization 2773.
phosphocholine antibodies, mice, characterization heterogeneity, classes, idiotypes 10225.
Proteus rettgeri,
amidase repression, association, tricarboxylic acid, intermediates, Escherichia coli comparison 12658.
clinical isolates, antibacterial activity, ceftazidime 5066.
drug resistance, antibiotic resistance, R factors, incidence 3061.
plasmids characterization, antibiotic resistance, electrophoresis 7688.
Proteus vulgaris,
aminoglycoside adenylyltransferase, purification, substrate specificity 1485.
antibacterial activity, cefodizime 6809.
antibacterial activity, extracts, Chlorophyceae, Rhodophyceae 5141.
biosynthesis, unsaturated-phospholipid methyltransferase, relationship, fatty acids, growth conditions 12656.
ceftazidime, antibacterial activity 5076.
clinical isolates, antibacterial activity, ceftazidime 5066.
clinical isolates, penicillinase, effects on β-lactam antibiotics derivatives, stability 5920.
dibekacin antibacterial activity 6785.
drug resistance, antibiotic resistance, R factors, incidence 3061.
effects on γ radiation mortality, gnotobiotics, mice 10726.
iron acquisition, temperature effects 1386.
otitis media isolates, characterization, antibiotic sensitivity testing 2006.
penicillinase, hydrolysis, cefuroxime, cefotaxime, immunological aspects 1514.
purification, characterization, penicillinase 9763.
tryptophanase induction, swarm cells, short cells 3997.
Prothionamide,
antibacterial activity, Mycobacterium tuberculosis, Mycobacterium leprae, experimental infection, mice 3097.
Prothionamide-S-oxide,
antibacterial activity, Mycobacterium tuberculosis, Mycobacterium leprae, experimental infection, mice 3097.
Protocatechualdehyde,
inhibition DNA polymerase, Escherichia coli 11174.
Protocatechuate 3,4-dioxygenase,
Pseudomonas putida, Pseudomonas aeruginosa, purification, characterization 3966.
Pseudomonas putida, reaction oxygen+substrates, kinetics, characterization intermediates 3954
subunits, amino acid sequence, Pseudomonas aeruginosa 4033.
Protoheme,
Rhodopseudomonas sphaeroides, heme c, levels, absorption spectroscopy 2845.
Proton transport,
bacteriorhodopsin liposomes, nigericin, valinomycin, light effects on, thermodynamics 4715.
Protonmotive force,
adenosinetriphosphatase activation, chromatophores, Rhodospirillum rubrum 6553.
electron transfer, ATP synthesis, coupling mechanisms, reviews, chromatophores, bacteria 9670.
pH gradients, membrane potential, Thiobacillus acidophilus 6511.
regulation respiration, chromatophores, Rhodopseudomonas capsulata 12471.
Rhodopseudomonas capsulata cytoplasmic membranes, relationship membrane conductance 12312.
role nitric acid uptake, Rhodopseudomonas capsulata 12355.
Streptococcus faecalis, Escherichia coli, potassium effects on 69.
Streptococcus mutans, role, glucose transport 5632.
Protons,
binding purple membranes, light induction, pH, temperature, ionic strength effects on, Halobacterium halobium 3881.
conduction, bacteriorhodopsin, mechanisms, models 6544.
detection, Halobacterium halobium, role, phototaxis 1343.
Escherichia coli, transport, lactose, stoichiometry 2591.
gradients, adenosinetriphosphatase deficient mutant effects on, vesicles, Escherichia coli 6506
gradients, electrochemistry, Methanobacterium thermoautotrophicum 6489.
gradients, Mycoplasma membranes 3812.
L-lactate antiport, membrane vesicles, Streptococcus cremoris 6503.
Paracoccus denitrificans, translocation, oxidative phosphorylation, cytochrome c oxidase 12474
pumps, adenosinetriphosphatase, characterization, genetics, reviews, bacteria 5751.
pumps, bacteriorhodopsin, purple membranes, C.D., Halobacterium halobium 2676.
pumps, effects on maturation membrane proteins, Escherichia coli 65.
pumps, Halobacterium halobium, bacteriorhodopsin, role, arginine 4785.

Protons, (continued)
pumps, Halobacterium halobium, bacteriorhodopsin, role C-terminus regions, purple membranes 7409.
pumps, Halobacterium halobium, purple membranes, bacteriorhodopsin, mechanisms, reviews 12284.
pumps, kinetics, Halobacterium halobium, purple membranes, bacteriorhodopsin, lipid membranes reconstitution 7408.
pumps, mechanisms, bacteriorhodopsin, I.R. spectroscopy retinylidene chromophores, purple membranes, Halobacterium halobium 6555.
pumps, pH effects, bacteriorhodopsin, purple membranes, photochemistry, Halobacterium halobium 2675.
pumps, sodium, characterization, thermophilic bacteria 2625.
pumps, thermophilic bacteria, reconstitution, liposomes, mechanisms, reviews 12283.
Streptococcus faecalis, transport, stoichiometry 6505.
translocation, association, nitric oxide reduction, Paracoccus denitrificans 12425.
translocation, Escherichia coli, trimethylamine N-oxide reductase, molybdenum, requirements, anaerobic conditions 3963.
translocation, nitrite oxidation, Nitrosomonas europaea comparison Nitrobacter agilis 6515.
translocation, Pseudomonas, methylotrophic bacteria, factors affecting 3883.
transport, correlation respiration, nitrite, nitrous oxide, oxygen reduction, Paracoccus denitriticans 6552.
transport, coupling ATP synthesis, bacteria, reviews 12287.
transport, Escherichia coli, mechanisms, reviews, plasma membranes vesicles 12293.
transport, role eup gene coupling proline, lactose transport 2882.
uptake, role adenosinetriphosphatase subunits, chromatophores, Rhodospirillum rubrum 6557.
Protoplasm,
granuloma formation inhibition, association, Mycobacterium tuberculosis infection, prophylaxis, mice 9009.
Protoplasts,
Bacillus megaterium, Micrococcus luteus, membranes lysis, polyene antibiotics 10940.
Bacillus subtilis, biosynthesis, teichoic acids 1564.
Bacillus subtilis, cell fusion, plasmid pUB110 transfer 12852.
Bacillus subtilis, cell fusion, plasmids transfer 12853.
Bacillus subtilis, DNA repair, phages, enzymatic activity 152.
Clostridium acetobutylicum, production, regeneration, culture 5564.
Clostridium saccharoperbutylacetonicum, autolysis, formation, characterization 6668.
Daucus carota, binding, Agrobacterium tumefaciens, association, crown gall formation 6512.
development, Nocardia, association, transfection 6507.
Escherichia coli, lipopolysaccharide composition, role, complement, antibacterial activity, serum, man 1877.
L form, bacteria, culture, identification, clinical aspects 10927.
formation, Methanobacterium bryantii 9607.
like cells, production, sucrose induction cell walls autolysis, characterization, Clostridium saccharoperbutylacetonicum 138.
Nicotiana tabacum, crown gall, Agrobacterium tumefaciens plasmid T1 13423.
Nicotiana tabacum, transformation, crown gall tumors, Agrobacterium tumefaciens 9419
plants, transformation, plasmid Ti, Agrobacterium tumefaciens 12825.
Saccharomyces cerevisiae, ethylene glycol, uptake induction, Azotobacter vinelandii, Anacystis nidulans, mechanisms 4619.
Streptomyces lavendulae, fusion, clones isolation 7418.
Streptomyces, recombination, growth conditions 12798.
Streptomyces rimosus, preparation, growth conditions, methodology 12224.
Protoporphyrinogen,
oxidation, association, chlorophyll biosynthesis, Rhodopseudomonas sphaeroides 5687
Prototrophs,
Neisseria gonorrhoeae, transformation, auxotrophs, genetic markers 1620.
Prototrophy,
Salmonella typhi, clinical isolates 3857.
Protozoa,
actinomycetes, opportunistic infection, cervix, intrauterine devices, detection, Gram stain, man 3385.
bacteria, food chains, dissolved organic carbon, carbon cycle, energy flow, macrophytes leachates 10814.
bacteria, food chains, energy flow, dissolved organic carbon, macrophytes leachates 10814.
competition, bacteria, fungi, role toxins, antibiotics, predation 6405.
+fungi, bacteria, rhizosphere, Bouteloua gracilis, observation methods 4621.
growth curves, predator-prey interactions, oil microflora 2423.
interaction, bacteria, soil 13505.
Vibrio, Pseudomonas, food chains, mercury bioaccumulation, pollution effects, estuarine organisms 8233.
Providencia,
antibacterial activity, cefotaxime, cephalosporins 5914.
antibiotic sensitivity testing, antibacterial activity, equipment 304.
furbenicillin, comparison, carbenicillin, bactericidal activity 7778.
infection, cefotaxime treatment, man 6272.
oral microflora, association, stomatitis, Serpentes, zoological gardens, USA, Tennessee 8121.
survival, soil 10768
urinary tract infection, cefotaxime treatment, man 6213.
Providencia stuartii,
clinical isolates, antibacterial activity, ceftazidime 5066.
experimental infection, treatment, tobramycin± carbenicillin, ± cephalosporins, mice 8054
moxalactam, cefotaxime, thienamycin, cefsulodin 4166.
urinary tract infection, nosocomial infection, serotyping, man, hospitals 2082.
Prunus armeniaca,
infection, etiology, biochemical characteristics, physiology, Pseudomonas syringae 2408.
Pseudomonas syringae, Pseudomonas mors-prunorum, identification, characterization 2405.
Prunus avium,
Spiroplasma citri infection, enumeration 13438.
tomato bushy stunt virus incidence, Czechoslovakia 1138.
western X disease, Mycoplasma, disease control, oxytetracycline treatment 9394.
Prunus domestica,
leaf scald, bacteria, colonial characteristics 9551.
Prunus persica,
infection, meloidogyne, Pseudomonas syringae, Cytospora, Leucostoma persoonii, Leucostoma cincta, characterization 9407.
orchards, X disease, Mycoplasma, vectors, Cicadellidae 5505.
phony disease, bacteria, colonial characteristics 9551.
plant extracts, isolation, Rickettsia-like organisms, phony disease, density gradients centrifugation 5503.
Spiroplasma citri infection, enumeration 13438.
yellow leaf-roll, incidence, distribution, association, Pyrus orchards, USA, California 10744.
Psephotus haematonotus,
isolation, Salmonella typhimurium 7256.
Pseudanabaena,
sediments, distribution, lakes, British Isles 2487.
Pseudemys,
association, gastroenteritis, Edwardsiella tarda, case reports, man 11770.
Pseudo plum pox disease,
tomato bushy stunt virus, Prunus avium, Czechoslovakia 1138.
Pseudomanas,
gastrointestinal tract infection, cefotaxime treatment, man 6207.
Pseudomanas aeruginosa,
burn infection, man 7965.
Pseudomembranous colitis,
antibiotics association, treatment, metronidazole, man, case reports 2032.
antibiotics, Clostridium difficile, recurrent infection, man, case reports 2027.
association, antibiotics, Clostridium difficile, incidence, epidemiology, case reports, man 7017.
association, Clostridium difficile, pathology, infants, case reports 2044.
association, Clostridium difficile, toxins, man, reviews 6015.
association, Clostridium difficile, toxins production, man 7005.
bacteria, pathogenicity, treatment, man 11772.
chickens, virginiamycin treatment 13406.
children, pathogenesis, gram-negative bacteria 13163.
Clostridium difficile, incidence, etiology, treatment, man 6012.
Clostridium difficile, man infants, case reports 7010.
Clostridium difficile toxins, clindamycin metabolites role pathogenesis, hamsters 11491.
Clostridium difficile toxins, diagnosis, man 10110.
Clostridium difficile, toxins, feces, association, diarrhea, man 3351.
Clostridium difficile toxins, man 8887.
Clostridium difficile toxins, man 10089
Clostridium difficile toxins, man, reviews 8889.
Clostridium difficile toxins, pathogenesis, association, antibiotics, man 11496.
Clostridium difficile toxins, pathogenesis, man 10092.
man, Clostridium difficile infection, rifampicin induction, case reports 13166.
man, disease transmission, nosocomial environments, case reports 10365.
man, etiology, Clostridium difficile, case reports 811.
nosocomial infection, case reports, man 11781.
relationship, infection, cytomegalovirus, influenza B virus, man 13161.
Pseudomembranous enterocolitis,
role, Clostridium difficile, reviews, 3369.
Pseudomonadaceae,
antibacterial activity, penicillins antibiotic antagonism cephalosporins 6824.
Pseudomonas,
abundance, deep sea 1236.
abundance, seasonal variations, estuaries, Brazil 1235.
adherence, glass, Enteromorpha linza 4731.
adherence, substrate preferences, environmental conditions, surface properties, methodology 9591.
Alcaligenes, Xanthomonas, phenylalanine biosynthesis pathway enzymes, taxonomic significance 2746.
alcohol dehydrogenase, isolation, substrate specificity 4015.
alginate lyase, isolation, characterization 4037.
amicyanin, purification, characterization, electrons acceptors, amine dehydrogenase 6649.
amino acid, biosynthesis, cysteine, analogs 2725.
1-aminocyclopropane-1-carboxylate deaminase, mechanisms 7557.
Anguilla rostrata pathogens 6330.
animal isolates, identification methodology 9562.
animals isolates, identification, API test 1296.
antagonism Gaeumannomyces graminis, rhizosphere, take-all, Triticum 7308.
antibacterial activity, antibiotic HR 756 1729.
antibacterial activity, antibiotic 6059-S, in vitro, treatment, infection, man 1744.
antibacterial activity, cefotaxime 4178.
antibacterial activity, ceftazidime 5074.
antibacterial activity, ceftazidime, cations effects on 5094.
antibacterial activity, ceftazidime, comparison, cephalothin, cefuroxime, cefotaxime, moxalactam, in vitro 358.
antibacterial activity, cephalosporins, penicillinase stability 11410.
antibacterial activity, fosmidomycin, synergism, β-lactam antibiotics, gentamicin, trimethoprim 11391.
antibacterial activity, isopenicillin N, penicillin N 11401.
antibacterial activity, meclocycline, potentiation, association, propyl gallate 8790.
antibacterial activity, mezlocillin 12893.
antibacterial activity, penicillins 7788.
antibacterial activity, piperacillin, ticarcillin, in vitro, carbenicillin 356.
antibacterial activity, sisomicin 5055.
antibiosis, rhizosphere bacteria, in vitro, effects on, Solanum tuberosum, growth 2427.
antibiotic sensitivity testing, methodology 6780.
antibiotic sensitivity testing, mezlocillin, carbenicillin, methodology 391.
antimicrobial agents susceptibility 11387.
arthritis, spondylodiscitis, incidence, man, France 4462.
arylsulphatase activity, carbon sources effects on 7603.
± Aspergillus oryzae, culture, rice, koji 124.
association, arthritis, reviews 6305.
bactobolins antimicrobial activity 375.
bile acids catabolism, Actinomycetes, bile acids catabolism 12431.
biodegradation, lignin, characterization 7456.
biodegradation, lubricants hydrocarbons 4744.
biodegradation, naphthalenesulphonate 2645.
biodegradation, propanil, 3,4-dichloroaniline 9634.

Pseudomonas, (continued)
biodegradation, soil horizons association oil 11014
biodegradation, toxicity, aromatic compounds 3854
biodegradation, 3-chlorobenzoate, 4-chlorophenol, plasmids transfer, Alcaligenes 7459
Brucella abortus extracts bactericidal activity 7884
burn infection, prophylaxis, man, hospitals, USA 11902
catabolism, naphthalene, naphthalenesulfonic acid 114
catabolism, products, bile, cattle 2656.
cattle semen isolates, antibiotic sensitivity testing 5047
cefamandole, antibacterial activity 9965.
cefotiam antibacterial activity 1719.
ceftazidime, antibacterial activity 5065
ceftazidime, antibacterial activity, in vitro 357.
cell surface DNA-binding protein, association flocculation 12565.
cellulolytic bacteria, activated sludge isolates, enumeration 3792
chemotaxis, attractants, Skeletonema costatum 8161
chitin biodegradation, Abies alba litter 3729.
p-chloraniline biodegradation 9633.
1-chloronaphthalene, 2-chloronaphthalene, metabolism, growth association 9638.
clinical isolates, β-lactam antibiotics antibacterial activity 8779
clinical isolates, antibacterial activity, ceftazidime 5066
clinical isolates, antibacterial activity, mezlocillin 12894
clinical isolates, antibacterial activity, rocephin 5060.
clinical isolates, cefoperazone, antibiotic sensitivity testing 11375.
clinical isolates, drug sensitivity testing methodology 4202.
colonization, population growth, rhizosphere, gnotobiotics, Hordeum vulgare 4629.
contamination, sterinol, disinfectants, resistance, morphology 414.
cornea ulcers, pathology, treatment, man, case reports 977.
cytochrome peroxidase, E.S.R. 4866.
2,4-D biodegradation, role plasmids 8411.
detection, disinfection, milking machines, mastitis, cattle 2347.
dialkylamino-acid decarboxytase (pyruvate), L-alanine-α-ketobutyrate aminotransferase activity 4048.
disease resistance, Carthamus tinctorius× Carthamus lanatus hybrids 3656.
disinfectants contamination, drug sensitivity testing 7848.
DNA biosynthesis, growth requirements 3894.
dodecyltriethoxy sulfate biodegradation 12426.
endo-1,3-α-D-glucanase, purification, characterization 7606.
Enterobacteriaceae, antibacterial activity, β-lactam antibiotics 7792.
exotoxins, localization, LM cells, role, calcium 5175
eye diseases 6852
fecal microflora, Branta, Anser 13356
fin rot, Gadus morhua, pathology 5484
flocculants, deoxyribonuclease susceptibility 4852
fluoroacetate, metabolism 1544
foliar applications, nitrogen fixation, yield, Oryza sativa 12124.
folliculitis, differential diagnosis, buildings, man 11671.
formaldehyde oxidation 12429.
freeze-thawing diseases, association, Hordeum vulgare, cryoinjury 5506.
furbenicillin, comparison, carbenicillin, bactericidal activity 7778
+Fusarium, synergism, soil isolates, biodegradation, benzylpenicillin 1380.
genes transfer, DNA, plasmids 11254.
growth, interaction, Curtobacterium, Mycoplana, rhizosphere, gnotobiotics, cereals 3684
haloacetate dehalogenase, purification, characterization 3996
halophilic bacteria, marine environment 5546.
4-hydroxyphenylpyruvate dioxygenase inhibition, enol-4-hydroxyphenylpyruvate, kinetics 9742
4-hydroxyphenylpyruvate dioxygenase, kinetics, mechanisms 8578.
7-hydroxytropolon, structure, antibiotics activity 6773.
identification, AutoMicrobic test 3801.
incidence, aircraft fuels, 2-methoxyethanol effects on 134.
incidence, lakes, USSR 12172
incidence, soil, USSR, association oil 13492.
infection, Boophilus decoloratus, isolation 7293.
infection, cefotaxime treatment, man 6272.
infection, Coriandrum sativum seeds, treatment 1144.
infection, gentamicin, tobramycin, amikacin, treatment, man 3464.
infection, hematological diseases, antibiotic sensitivity testing, amikacin treatment 6784.
infection, man 938.
infection, man, otitis media, treatment, antibiotics, surgery 11863.
infection, polymyxin± aminoglycoside antibiotics, biosynthesis, treatment, man 11997.
infection, symptoms, leaves, Avena sativa, Triticum aestivum, Hordeum vulgare 5502.
infection, treatment, antibiotic 6059-S, children 2316.
iron, reduction, factors affecting 12406.
isobutyraldoxime O-methyl ether production 12728.
isolation, β-D-mannosidase 1513.
isolation antitumor antibiotics, bactobolins, antimicrobial activity 301.
isolation, identification, methodology, clinical aspects 10882.
isolation, marine environments, proteinase purification 8592.
isolation, roots, Triticum aestivum, Gaeumannomyces graminis infection 1160.
killing, plasmid pAS8Rep-1, transposon Tn7, transfer 2913.
lignin biodegradation, cellulose, cell walls, ultrastructure, chemical analysis, Populus 1385.
lipase, heat resistance, activity, ultrahigh temperature pasteurization, dairy products 8596.
lipase heat resistance, characterization 5764.
lung infection, complications, trachea ventilation, man 771.
marine environment isolates, plasmids, role hydrocarbons biodegradation 8412.
media (isolation) 7359.
media (isolation) 10856.
methanol carbon distribution, association, oxidative metabolism 9636.
methanol, carbon sources, media (culture) 12.
methanol utilization strains, isolation, classification 1289.
methylamine uptake, nitrogen sources 5664.
methylhydroxypyridine-carboxylate dioxygenase, kinetics, mechanisms 7566.
methylhydroxypyridine-carboxylate dioxygenase, mechanisms 7564.
methylotrophic bacteria, factors affecting protons translocation 3883.
microflora, Biomphalaria glabrata 5493.
microflora, Euphausia superba, Euphausia crystallorophias 1133.
mixed culture, alcohol oxidase, production 8555.
mixed culture, biodegradation, sodium sulfite, sodium lignosulfonate 8397.

Pseudomonas, (continued)
mutants, cephalosporanic acid amidase, isolation, activity 5746.
mutants, coenzyme Q_{10}, isoprenoids, concentration, metabolism 2841.
mutants, coenzyme Q_{10} production, glucose effects on 2881.
mutants, isolation, penicillin amidase biosynthesis 2782.
mutants, penicillin amidase, purification, characterization 2784.
naphthalene biodegradation, nitrogen sources, effects on 2662.
nitrogen sources, triazine 3713.
nutrient requirements, estuaries, marine microorganisms 8243.
oil biodegradation, USSR rivers 13516.
oil, iron reduction, nitrate, effects on 6524.
oligotrophy, reviews 12360.
otitis media, aminoglycoside antibiotics treatment, man 13132.
pathogenicity effects on, Beta vulgaris crop production 13451.
pathology, epithelium, urinary bladder, experimental infection, rats 2104.
pentachlorophenol biodegradation, temperature effects on 8436.
phage typing, taxonomy (numerical) 1641.
phages, lysis, base composition 12821.
pigments, antifungal activity, susceptibility, fungi, characterization 5697.
pigments, structure 6561.
plasmid pWW0, structure role aromatic compounds biodegradation 9900.
plasmid RPL11, penicillinase transfer Enterobacteriaceae 6756.
plasmids, characterization 7708.
plasmids, isolation, methodology 2928.
plasmids, petroleum biodegradation, marine pollution 12832.
plasmids relationship naphthalene metabolism 5862.
pneumonia, cefoperazone treatment, man 10347.
polyacrylamide biodegradation, ammonia metabolism 8415.
preservation, gelatin disc drying method, media (transport) 6454.
Protozoa, food chains, mercury bioaccumulation, pollution effects, estuarine organisms 8233.
Pseudomonas 2519.
Pseudomonas aeruginosa, Pseudomonas maltophilia, identification, fibrinolysis 2566.
Pseudomonas pickettii, denitrification, DNA homology, relationship 3890.
purification, DL-2-haloacid dehalogenase, characterization 5750.
radioresistance, sewage sludge extracts, effects on 4219.
respiratory tract infection, sisomicin treatment, man 10351.
rhizoplane microorganisms, stimulation, growth, Beta vulgaris 7325.
role, soil structure stabilization 6421.
seed treatments effects on Beta vulgaris yield 12108.
septicemia, blood culture, detection, treatment, clinical trials, man 8072.
septicemia, rabbits immunoglobulins, immunization (passive), mice 11648.
serine biosynthesis 3930.
serotypes, identification, role, typing, flagella, bacteriophages 2549.
soil isolates, nif gene, transfer 4980.
soil microorganisms, fungicides effects on population dynamics 5512.
spines, production, function, media (culture) association 7415.
+Sporothrix schenckii, ammeline biodegradation 9629.
strains, clinical isolates, characterization, fluorescence 3806
strains, double-stranded RNA restriction-modification, screening, role, phage Φ6 2900
strains, naphthalene oxidation, role naphthalene dioxygenase components 5668.
strains, plasmids, homology, association, plant diseases 12859.
strains, taxonomy (numerical), DNA, base composition 12269.
streptomycin antibiotic resistance, rhizosphere, Bouteloua gracilis, roots, exudates, effects on 2444.
sulfadiazine drug resistance, wound infection, burns, treatment, quinoline
surface activity, surfactants biosynthesis, relationship, carbon sources, in vitro 241.
symbiosis, spores, Glomus macrocarpus var.macrocarpus 4618.
D(-)-tartate dehydratase isoenzymes, isolation, characterization 12626.
taxonomy, association, Zoogloea, Xanthomonas 8335.
taxonomy, carbon sources 4684.
taxonomy, ecology, psychrotrophic bacteria, milk 8288.
taxonomy, meat, spoilage 8290.
taxonomy (numerical), identification, meat spoilage isolates 9556.
temperature-sensitive mutant, serine biosynthesis 3935.
thienamycin, antibacterial activity, comparison, antibiotics 9937.
triacyl glycerol lipase, activity, factors affecting 4875.
triphenyltetrazolium chloride biodegradation, temperature effects on 12385.
tuf gene, duplication, gene mapping 2871.
L-tyrosine biodegradation 12381.
uptake, glucose, lactose, relationship, fatty acid composition 8421.
urinary tract clinical isolates, incidence, antibiotic resistance, man 4435.
urinary tract infection, animal models 850.
urinary tract infection, etiology, pathophysiology, diagnosis, treatment, man 4433.
urinary tract infection, man, characterization 11803.
urinary tract infection, netilmicin, antibacterial activity, man 7043.
urinary tract infection, treatment, nalidixic acid+cotrifamol, children 2075.
urinary tract infection, treatment, piperacillin, man 4421.
Zoogloea, attachment, Anabaena, heterocysts, effects on, nitrogen fixation 4615.

Pseudomonas acidovorans,
penicillin V acylase, purification, characterization 8568.

Pseudomonas aeruginosa,
abdominal diseases, characterization, diagnosis, treatment 13311.
abscesses, endophthalmitis, clinical aspects, case reports, man 11963.
abscesses, liver, neonates, man 961.
6-O-acetylglutamate deacetylase, localization, periplasmic space, purification, characterization 2766.
adherence, rabbits cornea cells 9608.
alkaline phosphatase, acid phosphatase, adenosinetriphosphatase, phosphate, regulation, activity 12669.
alkaline phosphatase, association, membranes 12661.
amino acid sequence, active sites, penicillinase, chromosomes 9744.
aminoglycoside antibiotics antibiotic resistance, enzymes 10011.
aminoglycoside antibiotics, antibiotic resistance, transduction, phage AP 10003.
aminoglycoside 3-acetyltransferase, purification, characterization 8589.
antibacterial activity, γ-chloronorvaline 5038.
antibacterial activity, β-lactam antibiotics 3028.
antibacterial activity, β-lactam antibiotics analogs 3013.
antibacterial activity, amikacin, β-lactam antibiotics, characterization 8761.
antibacterial activity, amikacin, gentamicin, antibiotic synergism, ± carbenicillin, ± piperacillin 12889.

Pseudomonas aeruginosa, (continued)
antibacterial activity, aminoglycoside antibiotics 9940.
antibacterial activity, aminoglycoside antibiotics, β-lactam antibiotics, peptide antibiotics, cystic fibrosis, man, in vitro 1703.
antibacterial activity, antibiotic BRL 17421, in vitro, in vivo, man 348.
antibacterial activity, antibiotic E-0702 9944.
antibacterial activity, antibiotics, temperature effects on 5053.
antibacterial activity, azlocillin, ± cefotaxime, ± tobramycin 7765.
antibacterial activity, azlocillin, carbenicillin, mezlocillin, piperacillin 11396.
antibacterial activity, azlocillin, +clavulanic acid, +sulbactam, +N-formimidoyl thienamycin, synergism 9951.
antibacterial activity, Bacteroides fragilis, in vitro 326.
antibacterial activity, cefodizime 6809.
antibacterial activity, cefoperazone 9970.
antibacterial activity, cefoperazone, cefotiam 347.
antibacterial activity, cefoperazone, characterization 5924.
antibacterial activity, cefotiam 6800.
antibacterial activity, cefsulodin, ± ticarcillin, ± mezlocillin, in vitro 359.
antibacterial activity, cefsulodin, antibiotic sensitivity testing 1715.
antibacterial activity, ceftazidime, cations effects on 5094.
antibacterial activity, ceftizoxime, cefazolin 1708.
antibacterial activity, cephalosporins 1727.
antibacterial activity, cephalosporins 9933.
antibacterial activity, cephalosporins 12900.
antibacterial activity, cephalosporins, inactivation penicillinase, antibiotic resistance 5123.
antibacterial activity, cephalosporins, penicillins, agar diffusion test 12905.
antibacterial activity, Dettox ABC, endoscopy equipment disinfection 10028.
antibacterial activity, disinfectants, carpets, nosocomial environments 8818.
antibacterial activity, extracts, Chlorophyceae, Rhodophyceae 5141.
antibacterial activity, fortimicin A, β-lactam antibiotics, antibiotic synergism 343.
antibacterial activity in vitro, N-chloramine compounds, comparison chlorhexidine 5961.
antibacterial activity, macrolide antibiotics, antibiotic synergism, peptide antibiotics, in vitro, in vivo 7800.
antibacterial activity, moxalactam, cefotaxime, thienamycin, cefsulodin 4166.
antibacterial activity, N-[ω,ω'-Bis(alicyclic)-sec-alkyl]-1,3-diamino-2-propanol, N-[ω,ω'-Bis(aryl)-sec-alkyl]-1,3-diamino-2-propanol 11448.
antibacterial activity, Septopan, disinfectants 409.
antibacterial activity, temocillin 9946.
antibacterial activity, thienamycin derivatives 352.
antibacterial activity, thiolactomycin 11421.
antibacterial activity, 1-oxacephem derivatives, synthesis 11403.
antibacterial agents, burn infection, animal models, mice 13330.
antibiotic MK0787, antibacterial activity, β-lactam antibiotics 7783.
antibiotic resistance, β-lactam antibiotics, penicillin-binding proteins characterization, detection, cystic fibrosis, man 382.
antibiotic resistance, β-lactam antibiotics, role, penicillin-binding protein, penicillinase 5115.
antibiotic resistance, cefotaxime, ceftriaxone, role, cephalosporinases, binding 8800
antibiotic resistance, chloramphenicol, chloramphenicol acetyltransferase characterization 1750.
antibiotic resistance, drug resistance, plasmids identification, hospitals, Australia 3073.
antibiotic resistance gentamicin, burn patients, association bedding 6946.
antibiotic resistance, gentamicin, tobramycin, characterization, purification, aminoglycoside acetyltransferase, aminoglycoside adenyltransferase 7826.
antibiotic resistance, R factors, isolation, characterization 10001.
antibiotic resistance, role, outer membranes proteins, cystic fibrosis clinical isolates 397.
antibiotic resistance, role, penicillinase biosynthesis, antibacterial activity, cephalosporins 5124.
antibiotic Ro 13-9904, antibiotic GR 20263, antibacterial activity 364.
antibiotic sensitivity testing, aminoglycoside antibiotics 4167.
antibiotic sensitivity testing, antibacterial activity, gentamicin, calcium, magnesium, effects on 387.
antibiotic sensitivity testing, disc-diffusion test, amikacin, gentamicin, tobramycin 319.
antibiotic sensitivity testing, drug sensitivity testing, role, media 377.
antibiotic sensitivity testing gentamicin, autobac test comparison disc diffusion test 5909.
antibiotic sensitivity testing, gentamicin, tobramycin, sisomicin 320.
antibiotic sensitivity testing, mezlocillin disc-diffusion test 6791.
antibiotic sensitivity testing, N-formimidoyl thienamycin comparison β-lactam antibiotics 5902.
antibiotic sensitivity testing, patterns 9925.
antibiotic T-1551, antibacterial activity 9964.
antibiotic 6059-S, antibacterial activity, treatment, infection 1720.
antibody response, immunoglobulin M, immunoglobulin G, detection, enzyme-linked immunosorbent assay, horses 4299.
antigen O changes, phages lysogenization effects on 268.
antigen O, polysaccharides, carbohydrate composition 10163.
antigen O synthesis, vaccination rabbits 7915.
antigen-antibody complexes, serum levels, cystic fibrosis, man 3232.
antigenic characteristics 10164.
antigenic characteristics, antigen O 10162.
arcA gene, gene mapping 6696.
aromatic acids oxidation, association DDT biodegradation 12391.
aromatic alcohols antibacterial activity 5136.
association, β-lactam antibiotics, membrane permeability, peptidoglycans, biosynthesis 398.
association Heterorhabditis bacteriophora, parasitism, pathology, Culex pipiens 8130.
association, otitis media, man 2004
azlocillin, mezlocillin, antibacterial activity, antibiotic synergism aminoglycoside antibiotics 9968
bacteriocin typing 10884
bacteriostasis, immunoglobulin A, association, lactoferrin, transferrin 6099
baths, effects on colonization, hospitals, man 7112.
bekanamycin antibacterial activity 6786.
benzalkonium chloride sensitivity, association, hemolysins biosynthesis, relationship, virulence 11542.

Pseudomonas aeruginosa, (continued)
benzoic acid, metabolism, anaerobic conditions 102.
biodegradation, alkanes, anaerobic conditions 8414.
biodegradation, bis(tributyltin)oxide 2636.
biodegradation, growth, carbon sources, industrial effluents 9628.
biodegradation, lignin, characterization 7456.
biomaterials colonization, adherence, use, chemotaxis chambers 6535.
burn infection, animal models 1030.
burn infection isolation, man 1929.
butyryl-CoA synthetase, purification, characterization 6653.
cadmium, toxicity, adaptations 447.
carbamate kinase, purification, function, regulation 12679.
carbenicillin, antibacterial activity, association, acetylcysteine 11398.
carbenicillin antibiotic resistance, plasmids 10002.
carbenicillin resistance, role, cell membranes, penicillin-binding protein 9991.
cations effects on, chloramphenicol drug resistance, growth 9993.
cefazolin antibiotic resistance, antibacterial activity, cephalosporins 5082.
cefmetazole, antibacterial activity 8775.
cefodizime, antibacterial activity 11409.
cefoperazone, antibacterial activity, antibiotic sensitivity testing 7786.
cefoperazone, antibiotic synergism, penicillinase inhibitors 345.
cefotaxime, antibacterial activity, morphology 5916.
ceftazidime, antibacterial activity 5076.
ceftazidime, antibacterial activity, pharmacokinetics models 5085.
ceftizoxime, antibacterial activity, in vitro 328.
ceftriaxone antibacterial activity 7789.
cell-free system, replication R factor RSF1010 DNA 9905.
cephalosporins antibacterial activity 5064.
cephalosporins, antibacterial activity 5911.
cephalosporins, antibacterial activity 12901.
chloramphenicol antibiotic resistance, R factors, genes, translocations 9866.
chlorhexidine drug resistance, man clinical isolates 3111.
cholangitis, association, enterostomy, treatment, cotrimoxazole, case reports, infants, man 7023.
chromosomes, insertion sequences, restriction endonuclease mapping 12520.
clinical isolates, adherence, trachea epithelium, hamsters 9583.
clinical isolates, ADP-ribosyltransferase biosynthesis 190.
clinical isolates, aminoglycoside antibiotics antibiotic sensitivity testing, calcium, magnesium, effects on 6782.
clinical isolates, antibacterial activity, β-lactam antibiotics 5080.
clinical isolates, antibacterial activity, carbenicillin, boric acid 12898.
clinical isolates, antibacterial activity, ceftazidime comparison cephalosporin antibiotics 5068.
clinical isolates, antibacterial activity, ceftazidime 5079.
clinical isolates, antibacterial activity, ceftazidime 5086.
clinical isolates, antibacterial activity, cephalosporins, use antibiotics treatment cystic fibrosis, man 5087.
clinical isolates, antibacterial activity, cephalosporins 9952.
clinical isolates, antibacterial activity, gentamicin, sisomicin, aminosidine, rifamycin 1706.
clinical isolates, antibacterial activity, moxalactam, cefoperazone 11406.
clinical isolates, antibiotic resistance, ceftazidime, antibacterial activity comparison, cephalosporins 5075.
clinical isolates, cefoperazone antibacterial activity, man serum effects on 9935.
clinical isolates, ceftazidime, antibacterial activity 5077.
clinical isolates, moxalactam+gentamicin, antibiotic synergism 12887.
clinical isolates, moxalactam, antibacterial activity 7787.
clinical isolates, soil isolates, enzymes characterization, pathogenicity 6662.
clopenthixol isomers, antibacterial activity 5973.
cold tolerance, pH, water, mixed culture, Escherichia coli 11005.
colonies, media (isolation) 2510.
colonization, substrate preferences, methodology 1283.
complement, role, clearance, lung, chemotaxis, opsonization, mice 6109.
conjunctivitis, drug sensitivity testing, man 7149.
contamination, media (isolation), Salmonella, sulfacetamide effects on 3761
contamination, skin cleaning products, chlorhexidine antibacterial activity 446.
cornea infection, children 10552.
cornea infection, iron effects on pathogenicity, mice 4266.
culture, use, dextrans 7365.
cystic fibrosis clinical isolates, utilization, man respiratory tract secretions, growth 9664.
cystic fibrosis, serum antibodies, immunological aspects, Staphylococcus aureus protein A absorption 4308.
cytochrome cd1, heme environments, Raman spectroscopy 6610.
cytochrome c4, X-ray crystallography 3869.
cytochrome c551, oxidation state effects on structure, X-ray diffraction 7482.
cytochrome oxidase, heme, Raman spectroscopy 11157.
DDT biodegradation, aromatic compounds oxidation pathways 10996.
DDT biodegradation, tricarboxylic acid cycle, glyoxylate cycle 11001.
decubitus ulcers infection, geriatrics 9076.
deficient mutant, alkaline phosphatase, phospholipase C, assays, phosphates, effects on 1626.
deficient mutant, tox-1 gene, tox-2 gene, gene mapping 9843.
deletion effects on gene regulation, trp gene 11266.
2-deoxy-D-lyxo-hexonic acid production, association, 2-deoxy-D-lyxo-hexone 8628.
deoxyribonuclease deficient mutant, characterization 1609.
dermatitis, association, swimming pools, man 1934.
2,3-diacetamido 2,3-dideoxy-D-glucuronic acid, lipopolysaccharides, constituents, characterization 6676.
2,3-diamino-2,3-dideoxy-D-glucuronic acid, identification, lipopolysaccharides association 9800
DNA biosynthesis, deoxyribonuclease inhibition effects on 3891.
DNA nucleotide sequence penicillinase genes, comparison Escherichia coli, evolution 2869
DNA release, effects on mitomycin C 3896.
DNA-binding protein, purification, characterization, comparison Escherichia coli 4848.
drug resistance, heavy metals, antimicrobial agents, marine environment 459.
drug resistance, nalidixic acid, β-lactam antibiotics, role, chromosome aberrations, gene mapping 10057.
drug resistance, nosocomial environments 10056.
elastase, radioimmunoassay 11141.
electron transfer kinetics, cytochrome c551, cytochrome c oxidase 11023.
electron transport, pH effects, reduction oxidation, azurin, cytochrome

Pseudomonas aeruginosa, (continued)
c551 1417
elimination, association, peritonitis, relationship, lung tumors, mice 3538.
endocarditis, clinical aspects, treatment, geographical variations, narcotics addicts, man 2323
endotoxins, chemical properties, biological properties, 8869
endotoxins vaccines effects on leukocytes (neutrophilic)
Escherichia coli, Salmonella typhi, antigen (enterobacterial common), opsonization, rabbits 3179.
Escherichia coli transfer IncN plasmid 7698
essential oils, antimicrobial activity 7858
estuaries isolates, antimicrobial activity, tin, organic compounds, inorganic compounds 8833.
etiology, otitis media, children 1999
etiology, pathogenesis, pneumonia, man 4381
exodeoxyribonuclease deficient mutant, DNA restriction 12621
exotoxin A, cataracts, mice 6008
exotoxin A, crystallization 7876
exotoxin A, purification 5990
exotoxin A, stimulation, leukocytes, detection, chemiluminescence 10101
exotoxin A, structure, biological activity, proteinase, effects on 3129
exotoxins, inhibition, macrophages, precursors, proliferation 10242.
experimental infection, keratitis, treatment, habekacin, mice 3593
experimental infection, pyelonephritis, treatment, ceftazidime, rats 5332
experimental infection, rabbits guinea-pigs, aerodin treatment, effects on immune response 6181
experimental infection, treatment, antibiotic synergism, azlocillin± cefotaxime± amikacin, mice 1704
eye diseases, drug sensitivity testing, case surveys 7111.
eye, experimental infection, keratitis, role, retinol deficiency, rabbits 2229
eye infection, U.V. radiation, diagnosis, man 11954.
eye infection, resistance, genetic analysis, animal models 997.
R factors transduction, conjugation, phages 11295.
fatty acids, polymyxin susceptibility, carbon sources, media (culture), effects on 2833
flagella antigens, antisera preparation 3180
flagella antigens, antisera production 503
flagella antigens, association, animals infection immunity 10177.
flagella, biosynthesis, association, cell division 5606
flagella genes, characterization 254.
flagella, isolation, characterization 5614
flagella, serotyping, phage typing 52
folliculitis, baths, clinical aspects, man 11667
foot infection, incidence, treatment, man 4470
M form, reversion, motility, cultural characteristics 8707
M form, slimes, experimental infection, immune serum, immunization (passive), mice 9065
M form, slimes, vaccination, immunity, keratitis, rabbits 9062
M form, vaccination, slimes, mice 9052
formaldehyde, microbiocidal activity 10024.
N-formimidoyl thienamycin, antibacterial activity, comparison, antibiotics 9938
N-formimidoyl thienamycin antibacterial activity, stability, penicillinase 5114.
N-formimidoyl thienamycin, comparison, β-lactam antibiotics, antibacterial activity 9962
freeze-thawing resistance, role DNA repair genes, R factors 12810.
freshwater pollution, agricultural runoff, rivers, Czechoslovakia 1186.
gene mapping, amiE gene, use R factors 6738
gentamicin, antibiotic resistance, plasmids, expression, Escherichia coli 9995.
gentamicin resistance transfer, R factors association 11328.
glucose dehydrogenase, activity, deficiency, association, nitrate 12664
glycerol catabolism, role, glycerol kinase, glycerol-3-phosphate dehydrogenase 3861
growth, carbon sources, liquid culture, media (culture) 12352.
growth, cefotetan, antibacterial activity 5926.
growth curves, antibacterial activity, ceftazidime 5083
growth, drinking water, relationship, carbon sources 12392
growth, n-hexadecane, surfactants effects on 5639.
hemolymph, immunity, effects on ultrastructure, Galleria mellonella 10234.
hospitals role, nosocomial infection, incidence 8031
hydrogen cyanide, biosynthesis, hydrogen cyanide synthase, batch culture, aeration, effects on 2844
IncP-1 plasmid, transfer, gram-negative bacteria, frequency, insertion sequences, genetic analysis 2927.
infection, abdomen surgery, treatment, moxalactam 7016.
infection, aminoglycoside antibiotics, treatment, prophylaxis, man 12002.
infection, antibodies, serum, detection, man 3187.
infection, association, lymphoma chemotherapy, immunocompromised hosts, man 6307.
infection, cefoperazone, treatment, man 10582.
infection, cefoperazone treatment, man 10608.
infection, clinical aspects, treatment, man, books 12191.
infection, complications, paroxysmal nocturnal hemoglobulinuria, man 3552.
infection, cystic fibrosis, tobramycin+penicillins treatment, man 12026.
infection, Galleria mellonella immunity, Naja naja atra cobra venom factor effects on 3192.
infection, gynecology, netilmicin, gentamicin, treatment comparison, man 11793.
infection, immune response, immunodeficiency, man, reviews 11568.
infection, immunity (cell-mediated), hypersensitivity (delayed), mice 10220.
infection, lymphocytes B activation, mice 4314.
infection, man, antibacterial activity, cefotaxime 9208.
infection, man, antibacterial activity, cefotaxime 9208.
infection, man, antibacterial activity, ceftriaxone 9216.
infection, man, cystic fibrosis, treatment, carbenicillin, gentamicin, aerosols 9261.
infection, man, eye diseases, antibiotics treatment 10492.
infection, man, iron effects on, leukocytes (polymorphonuclear), bacteria growth 10459
infection, man, keratitis, treatment, antibiotics 10495.
infection, man, treatment, cephoperazone, antibacterial activity 9234.
infection, man, treatment, mezlocillin, comparison, carbenicillin 10595.
infection, moxalactam treatment, man 9310.
infection, penicillins treatment, man 11940.
infection, pigs, sepsis, lung immune clearance 13024.
infection, prophylaxis, cancer patients, children, man 4464.
infection, proteinase, exotoxin A, antibody response, cancer patients 3190.
infection, treatment, aminoglycoside antibiotics+β-lactam antibiotics, man, reviews 11897.

Pseudomonas aeruginosa, (continued)
infection, treatment, antibiotic 6059-S, children 2134
infection, treatment, antibiotic 6059-S, children 2318.
infection, treatment, antibiotic 6059-S, children 2320.
infection, treatment, Cefsulodin, man 1035.
infection, treatment, cefsulodin, tissues penetration, man 363.
infection, treatment, ceftazidime, man 5440.
infection, treatment, ceftazidime, man 5441.
infection, treatment, ceftazidime, man 5442.
infection, treatment, ceftazidime, man, animals 1037.
infection, treatment, man, conferences 12193.
infection, treatment, mezlocillin+gentamicin, man 5377.
infection, treatment, moxalactam, antibiotic resistance, pharmacokinetics, man 3446.
infection, treatment, moxalactam, man 7188.
infection, treatment, moxalactam, man 8052.
infection, treatment, ticarcillin, immunocompromised hosts, mice 3201.
infection, treatment, topical application, neomycin+polymyxin, ear, man 3336.
intestinal microflora, nitrification, acetohydroxamate, hydroxylamine, characterization 7468.
isolation, burn infection, association, nosocomial environments, clinical aspects, case reports, man 8970.
isolation, drug addiction syringes, association, endocarditis, man 3501.
isolation, man eyes, biotyping, pathogenicity, rabbits cornea 6483.
isolation recombination mutants, butyramide metabolism 9837.
isolation, sputum man 4356
keratitis, antibiotics treatment, animal models, man 13318.
keratitis, guinea-pigs cornea, transfusion, leukocytes (polymorphonuclear) dispersal, animal models 7943
keratitis, treatment, tobramycin, gentamicin, animal models 7118.
β-lactam antibiotics, antibacterial activity 6797.
β-lactam antibiotics antibacterial activity 6811.
β-lactam antibiotics antibacterial activity, turbidity measurements 3024.
β-lactam antibiotics antibiotic resistance, R factors, penicillinase 11425.
β-lactam antibiotics, antibiotic sensitivity testing, antibiotic synergism 3011.
lectins, interaction, Escherichia coli, blood groups determinants, sugars, hemagglutination 1857.
leukocytes (polymorphonuclear), monocytes, phagocytosis, cystic fibrosis, antisera 13043.
lipid composition, cations, polymyxin, effects on 2837.
lipopolysaccharide composition relationship antibiotics susceptibility, strains 7627.
lipopolysaccharides effects on lymphocytes transformation, association, infection, man 11601
lipopolysaccharides, relationship, structure, activity mice 10226.
lipopolysaccharides, serotypes, distribution, clinical isolates 6674.
localization, chu gene 2867.
lung clearance, rats, skin burns, effects on 11728.
lysis sensitivity, factors affecting 12334.
macrophages, phagocytosis, man, rabbits, rats, hamsters, comparison 6088
mannitol-binding protein, characterization 12559.
mastitis, outbreaks, cattle, case reports 3568.
media (isolation), Salmonella, sulfacetamide 3761.
membrane vesicles, dihydrostreptomycin effects on active transport 9581.
meningitis, cerebrospinal fluid, lactic acid, role, diagnosis, man, case reports 2129.
meningitis, ventriculitis, treatment, cefsulodine, levels, ventricles, man 3479.
mercuric reductase, purification, characterization 7615
metabolism, UTP, ATP, pyrophosphates, radioactive labelling 4762.
mezlocillin+metronidazole antibacterial activity, aerobic conditions 8780.
mice disease resistance, association N-acetylmuramyl-L-alanyl-D-isoglutamine analogs, immunostimulation 6118.
microbiocidal activity, formaldehyde aerosols 11451.
microflora, treatment pools+U.V. radiation, hospitals 13527.
mixed culture, +Candida, sterols, biosynthesis, drug sensitivity testing effects on 5988.
modification enzymatic, aminoglycoside antibiotics, association, antibiotic resistance 12678.
moxalactam, antibacterial activity, in vitro 351.
moxalactam, comparison, thienamycin, gram-negative bacilli, antibacterial activity 8766.
mutants, antibiotic sensitivity testing, antibiotic synergism, carbenicillin, kanamycin 4170.
mutants, enzymes, cell surface, virulence, Galleria mellonella 6390.
mutants, glutamine auxotrophs, glutamine synthetase activity 12794.
N.M.R., cytochrome cd1 12477.
nasal infection, immune response, leukocytes (neutrophilic), role, mice 6086.
neomycin antibiotic resistance, mechanisms, cytochromes levels association 9997.
nitrite reductase interaction nitrite, N.M.R. 11202.
nonmucoid, cystic fibrosis clinical isolates, media (selective), use, iron 9506.
Norflaxacin, antibacterial activity, comparison, chemotherapeutics, oral administration 9982.
nosocomial infection, catheters contamination, geriatrics 10529.
nosocomial infection, cefsulodin treatment, man 7168
nosocomial infection, cefsulodin treatment, man 8037.
nosocomial infection, neonates, man, characterization 11878.
nosozomial infection, neonates, necrotizing enterocolitis, man 7992.
oral infection, man, antibiotics treatment 10305.
ornithine decarboxylase, difluoromethylornithine inactivation 7538.
osteomyelitis, diagnosis, treatment, man, case reports 3440.
otitis externa, diagnosis, treatment, mortality, man, case reports, reviews 3342.
otitis, immunodeficiency, leukocytes (polymorphonuclear) migration, man 9127.
otitis media isolates, characterization, antibiotic sensitivity testing 2006.
otitis media, mastoiditis, moxalactam treatment, man 11748.
otolaryngeal infection, man, antibiotics treatment 10323.
outer membranes, membrane permeability β-lactam antibiotics, relationship antibiotic resistance 10941.
outer membranes, proteins lipopolysaccharides complex, characterization 2742.
1-oxacephem derivatives antibacterial activity 7795.
oxygen, effects on, glucose, metabolism, tricarboxylic acid cycle 12440
pathogenicity, role exotoxins, proteinase, reviews 11540.
pbpA gene mutants, penicillin G antibiotic resistance 6823.
pencillinase, antibiotic resistance, β-lactam antibiotics, antibiotic sensitivity testing 3029.
penicillinase genes, DNA nucleotide sequence, comparison Escherichia coli 5742.

Pseudomonas aeruginosa, (continued)
penicillinase inactivation ceftazidime, kinetics 5120.
penicillinase, isoenzymes, electrophoresis, characterization, antibiotic resistance, carbenicillin 1723.
penicillinase, isolation, characterization 12637.
penicillinase, purification, characterization, antibiotic resistance, β-lactam antibiotics 3055.
penis infection, treatment, animal breeding, horses 10676.
pH effects on, antibacterial activity, gentamicin, N-formimidoyl thienamycin 323.
phage Pf1, DNA proteins complex, purification, characterization 2903.
phage Pf1, DNA proteins complex, structure, electron microscopy 2902.
phosphate transport 4726.
phosphoenolpyruvate-fructose phosphotransferase, purification, activity 6658.
phospholipase C, purification, characterization 12640.
pili dissociation, octyl-glucoside use pilin filaments formation 12311.
plasmid pMG35, cloning, gentamicin, antibiotic resistance, genes, Escherichia coli 9825.
plasmid R91-S, deletion mutant, genetic analysis, physical characteristics 6763
plasmid R91-5, transposon Tn7, transposon Tn501, insertion, gene mapping 6765.
plasmids, DNA, analysis, Escherichia coli 2949.
plasmids, plasmid pYMB1, antibiotic resistance, drug resistance, isolation 281.
pneumonia, immune response leukocytes (polymorphonuclear), immunocompromised hosts, guinea-pigs 8961.
pneumonia, nosocomial infection, treatment, tobramycin, man 5294
pneumonia, Phascolarctos cinereus, Australia 1110.
pneumonia, treatment, antibiotic 6059-S, man 2020.
pneumonia, treatment, N-formimidoyl thienamycin, ticarcillin, tobramycin, animal models 10315
pneumonia vaccination, guinea-pigs 3250.
polar pili, ultrastructure 2629.
pollution effects, fungicides, herbicides, hydrocarbons, water pollution 1208.
polymyxin antibiotic resistance, association, outer membranes membrane permeability 12928.
polysaccharides, antigens, characterization 3176.
postoperative infection, man, surgery, antibiotics treatment 10580.
potassium cyanide effects on Pseudomonas cytochrome oxidase conformation, use subtilisin proteolysis probes 8567
potassium flux, phenol, bronopol, effects on 5613.
preparation, immunoglobulins, purification, antibacterial activity 8918.
protection, N-acetylmuramyl-L-alanyl-D-isoglutamine analogs immunostimulation macrophages, mice 6251.
protein P, phosphate effects on biosynthesis, role anions transport, reconstitution models 6605
proteinase, cell surface mutants, virulence, Galleria mellonella 8133.
proteinase, radioimmunoassay, virulence, cystic fibrosis, man 11142.
protocatechuate 3,4-dioxygenase subunits, amino acid sequence 4033.
Pseudomonas, Pseudomonas maltophilia, identification, fibrinolysis 2566.
pyochelin structure 5811.
pyocin typing, aeruginocine, antibiotic sensitivity testing 8785.
Pyocin 103, interaction, Neisseria gonorrhoeae, lipopolysaccharides, cell surface 2831
pyocins, C.D. 7709.
pyocins, isolation, characterization, pyocin typing 2994.
pyocins production 8751.
pyocyanin, antibacterial activity, bacteria 6816
pyruvate dehydrogenase multienzyme complexes deficient mutant, purification, characterization 1524.
rabbits, urinary tract infection, isolation 9357.
recovery surfaces, antibacterial activity, aerosols disinfectants 7847.
recovery, surfaces, antibacterial activity, Thran 7844.
recovery, surfaces, antibacterial activity Thran 7845.
resistance, U.V. radiation 455.
respiration, cyanide resistance, membrane potential, spheroplasts 12492.
respiratory tract infection, aminoglycoside antibiotics treatment, children 10345
respiratory tract infection, association, cystic fibrosis, chemotherapy, man 4398
respiratory tract infection, treatment, azlocillin, ± aminoglycoside antibiotics, cystic fibrosis, man 11714.
respiratory tract infection, treatment, azlocillin+gentamicin, cystic fibrosis, man 11708
respiratory tract infection, treatment, dibekacin, man 759.
respiratory tract infection, treatment, tobramycin+penicillins, cystic fibrosis, man 11712.
rhamnolipids 12721.
role, mastoiditis, children 1987.
scleritis, diagnosis, treatment, man, case reports 2224
septicemia, nosocomial infection, Epidemiology, man 1042.
septicemia, treatment, cefsulodin, man 1036.
serotyping 12278.
serotyping, agglutination 12276.
sewage isolates, media (enrichment) 10868.
silver nitrate antimicrobial activity 7862.
skin lesions, rabbits 4573.
slimes, glycolipoproteins, activation, complement alternative pathway, man 2733.
slimes glycolipoproteins, polysaccharides isolation, characterization 220.
strains, cefsulodin, antibiotic resistance, characterization 12922.
strains, thienamycin, azlocillin, comparison, aminoglycoside antibiotics, antibacterial activity 8762.
sulfur granules, morphology, induction, cattle 2342.
susceptibility, serum bactericidal activity, man, in vitro 1883.
temocillin antibacterial activity 7785
temperature-sensitive mutant, vaccination, immunity, mice 10264.
tetracyline effects on virulence 8760
thiolactomycin antibacterial activity 7810.
thymine, uptake, metabolism 12430.
ticarcillin, antibiotic resistance, antibacterial activity, cefsulodin, ceftazidime 5081
tobramycin± cefotaxime, moxalactam, serum bactericidal activity, man 313.
toxoids, immune response, immunoglobulin E, mice, characterization 7933.
toxoids, immunoglobulin E antibodies production, mice 1891.
transformation, Bacillus subtilis 8677
transposon Tn1, characterization 4133.
tyrosine, phenylalanine, effects on, potassium, hydrogen, efflux, association, peptides 12320
urinary tract infection, azlocillin treatment, man 11806.

Pseudomonas aeruginosa, (continued)
urinary tract infection, azlocillin treatment, man 11812.
urinary tract infection, cefaperazone treatment, man 8002.
urinary tract infection isolates, antibacterial activity, antibiotic MK-0366, in vitro 8823
urinary tract infection, man, ceftazidime, netilmicin, man 5333.
urinary tract infection, treatment, oral administration, tetracycline, dogs 1092.
urinary tract isolates, phospholipase C biosynthesis, measuring techniques 8557.
vaccination, immune serum, production, sheep 8917.
viability, antibacterial activity, β-lactam antibiotics, role, adherence, surfaces 3026.
vinblastine, effects on, immune response, lymphocytes T, role, mice 11575.
virulence, endotoxins, proteinase 11244.
virulence, relationship, hemolysins biosynthesis 11541.
washing treatment, effects on, outer membranes 12347.
wound infection, fractures, man 3444.
wound infection, nosocomial infection, association, hydrotherapy, man, hospitals 2258.
xylene, oxidation, enzymes, regulation 12643.
Z61 gene mutants, membrane permeability, association, antibiotic resistance 6513.
Pseudomonas alliicola,
infection, Allium cepa, antibacterial activity, thiosulfonic acid 12948.
Pseudomonas anguilliseptica,
antigen O, antigen H, antigenic characteristics 4257.
antigenic characteristics 8926.
infection, Anguilla, diagnosis, indirect fluorescent antibody test 7270.
Pseudomonas angulata,
plasmids, characterization 7708.
Pseudomonas arsenitoxidan sp.nov.,
biochemical characteristics, arsenic oxidation 12372.
Pseudomonas arvilla,
NADH dehydrogenase, iron-sulfur centers, reconstitution, activity 6648.
Pseudomonas aureofaciens,
phospho-2-keto-3-deoxy-heptonate aldolase, anthranilate synthase, enzymatic activity, amino acids effects on 1493.
tryptophan catabolism 1397.
Pseudomonas avenae,
Gramineae leaf blight, temperature, light, effects on 9414.
Gramineae leaf blight, temperature, light, effects on 9414.
Pseudomonas carboxidohydrogena,
phosphatidylcholine composition 4081.
Pseudomonas carboxidoverans,
phosphatidylcholine composition 4081.
Pseudomonas carboxydoflava,
substrate specificity, soil, rocks 12456.
Pseudomonas carboxydohydrogena,
carbon monoxide, oxidation, electron transport chain 2687.
dehydrogenase, purification, characterization 2786.
Pseudomonas carboxydovorans,
carbon monoxide:methylene blue oxidoreductase, purification, characterization 7588.
Pseudomonas cepacia,
antibacterial activity, cefotaxime 2060.
bacteremia, association, povidone-iodine contamination, man, hospitals 3553.
bacteremia, povidone-iodine contamination 6288.
biodegradation, 2,4,5-T 7453.
ceftazidime, antibacterial activity 5076.
ceftizoxime, antibacterial activity, in vitro 328.
clinical isolates, antibacterial activity, ceftazidime 5086.
colonization, nosocomial infection, epidemiology, man, hospitals, USA, Virginia 10535.
contamination, skin cleaning products, chlorhexidine antibacterial activity 446.
nosocomial infection, diagnosis, methodology, man 13296.
penicillinase, hydrolysis, cefuroxime, cefotaxime, immunological aspects 1514.
relationship lysine auxotrophy alterations plasmid pWB1, restriction endonuclease mapping 5867.
+Septoria nodorum, effects on, photosynthesis, transpiration, Triticum aestivum 1141.
Pseudomonas chloroaphis,
incidence, soil, USSR, association oil 13492.
Pseudomonas chlororaphis,
biodegradation, soil horizons association oil 11014.
Pseudomonas cichorii,
santonin, carbon sources, intermediates 12420.
Pseudomonas citronellolis,
pyruvate carboxylase subunits, peptide mapping, amino acid composition, quaternary structure 4042.
Pseudomonas coronafaciens,
plasmids, characterization 7708.
population dynamics, Avena sativa 1148.
Pseudomonas corrugata,
wound infection, Medicago sativa, association Nematoda 7297.
Pseudomonas cytochrome oxidase,
potassium cyanide effects on conformation, use subtilisin proteolysis probes, Pseudomonas aeruginosa 8567.
Pseudomonas denitrificans,
intestinal microflora, Carassius carassius, hibernation, aquaculture 9329.
nitrate reduction, mixed culture, antagonism, rivers 8427.
Pseudomonas diminuta,
aminoacylase isoenzymes, purification, characterization 8580.
biodegradation, parathion 7447.
lipopolysaccharides, isolation, D-threo-pent-2-ulose 6673.
mannans, structure 218.
Pseudomonas fluorescens,
antibiotic sensitivity testing, antibacterial activity, antibiotics 3001.
+Bacillus thuringiensis+Serratia marcescens, infection, Bifiditermes beesoni, disease transmission, feeding behavior 4601.
bioaccumulation, uranium, thorium, industrial wastes 7402.
blotch, etiology, pathology, Agaricus bisporus 9402.
catalase, enzymatic activity, induction 1530.
cholesterol oxidase, cholesterol esterase, purification 8576.
denitrification, kinetics, uptake, nitrate, nitrous oxide 8465.
drug resistance, mercury 456.
electron transport chain, quinones specificity 9666.
ethylene biosynthesis, soil, in vitro, aeration effects on 5541.
4-hydroxybenzoate 3-monooxygenase, amino acid sequence 7545.

Pseudomonas fluorescens, (continued)
intestinal microflora, Carassius carassius, hibernation, aquaculture 9329.
isolation, peat, methodology 8253.
lipase, gel filtration, methodology 8591
mutants, alginates biosynthesis 1566
pigments, chelating agents, fungistasis, Geotrichum candidum 11036.
plant diseases, Circhorium intybus, vascular system pathology 5499
pollution effects, fungicides, herbicides, hydrocarbons, water pollution 1208.
proteinase, biosynthesis, milk, characterization 5788
proteinase, purification, characterization 4020
proteinase, stability, temperature 4879.
proteolytic enzymes, factors affecting 7597
purification, characterization, proteinase 11184
sodium nitrite+pH inhibition catalase 11135.
strains, evolutionary genetics, taxonomy (numerical), DNA hybridization, complement fixation 2876.
toxicity testing, bioassays, pentachlorophenol, tetrachlorophenol 10870.
Triticum aestivum rhizosphere, Gaeumannomyces graminis var.tritici effects on population dynamics 8190
Pseudomonas fluorescens var.aureofaciens,
use, assays, phosphate, liquid culture 10874
Pseudomonas fragi,
adherence, surfaces, dairy industry 79.
muscle attachment, cattle 9604
Pseudomonas glycinea,
antibacterial activity, phytoalexins, Glycine max, characterization 3102.
auxotrophy mutants, virulence 1592
blight, Glycine max, seasonal variations, growth 7302.
disease resistance, hypersensitivity, Glycine max, temperature effects 3672.
infection, necrosis inhibition, blacticidin S, disease resistance, Glycine max 2404
Pseudomonas graveolens,
intestinal microflora, Carassius carassius, hibernation, aquaculture 9329.
Pseudomonas halodurans,
sulfate, transport, regulation, characterization 1334
Pseudomonas indigofera,
3-nitropropionate inhibition isocitrate lyase 11194
Pseudomonas lachrymans,
infection, Cucumis sativus, disease resistance defense mechanisms, proteins, purification, characterization 8141
infection, Cucumis sativus, effect on cucumber mosaic virus infection disease resistance 12111
relative humidity, seeds, Cucumis sativus, effects on 9393
resistance, screening, seedlings, Cucumis sativus 2416
Pseudomonas lemoignei,
3-hydroxybutyrate dehydrogenase, dimethoxyphosphinylacetic acid, methyl 2-methoxyphosphyinylacetic acid competition inhibition 6657
Pseudomonas like nitrogen-fixing bacteria,
incidence, plants 1183.
Pseudomonas mallei,
infection, horses, glanders, zoonoses, man, characterization 11905.
Pseudomonas maltophilia,
alkaline phosphatase, acid phosphatase, adenosinetriphosphatase, phosphate, regulation, activity 12669.
alkaline phosphatase, association, membranes 12661
antimicrobial agents susceptibility 11387.
bacteremia, nosocomial infection, heart surgery, children 960.
cephalosporins, antibacterial activity 12901
immune response (cell-mediated), lymphocyte transformation, association, Crohn's disease, man 3234.
moxalactam, comparison, thienamycin, gram-negative bacilli, antibacterial activity 8766
penicillinase, purification, characterization 12588.
Pseudomonas, Pseudomonas aeruginosa, identification, fibrinolysis 2566.
L-tyrosine conversion L-dopa 11119.
Pseudomonas marginalis,
etiology, blight, Pastinaca sativa 2411
wound infection, Medicago sativa, association Nematoda 7297.
Pseudomonas mendocina,
mutants, alginates biosynthesis 1566.
Pseudomonas mesoacidophila sp.nov.,
isosulfazecin, antibiotics, biosynthesis, antibacterial activity, characterization 2991
Pseudomonas mildenbergii,
hydroxamic acid, biosynthesis, isolation, characterization 11223.
Pseudomonas mors-prunorum,
identification, characterization, Prunus armeniaca 2405.
Pseudomonas multocida,
animal isolates, domestic animals, antibiotic sensitivity testing, Netherlands 3000.
Pseudomonas paucimobilis,
maxillary sinus lavage contamination, association, infection, man, hospitals 2015.
predator-prey interactions, Acanthamoeba polyphaga, batch culture, continuous culture 3680
predator-prey interactions, Acanthamoeba polyphage, soil moisture effects on 6407
Pseudomonas perfectomarinus,
cytochrome c552, purification, characterization 2732.
nitrification, copper effects on 6538.
productivity, measuring techniques, radioassays 9522.
Pseudomonas phaseolicola,
leafspot, identification, taxonomy, Pachyrrhizus erosus 1293.
phage Φ6R mutants, adsorption, lysis 7670.
plasmids, association, phaseolotoxin biosynthesis 1678.
replication, Phaseolus vulgaris, cultivars, genotypes, effects on 2412.
role, phytoalexins induction, plants, antibacterial activity 8147.
toxins, purification, methodology 3118.
virulence, agglutination, plant extracts, Phaseolus vulgaris 2544.
Pseudomonas pickettii,
Pseudomonas, denitrification, DNA homology, relationship 3890.
Pseudomonas piscicida,
micorflora, Penaeus stylirostris larvae 8134.
Pseudomonas pisi,
inoculation, Dolchos biflorus, production, pterocarpans 1146.
role, phytoalexins induction, plants, antibacterial activity 8147.
Pseudomonas pseudoalcaligenes,
metabolism, di-butyl phthalate, anaerobic conditions, association, nitrate 9639.
Pseudomonas pseudoalcaligenes subsp.citrulli,
infection, Citrullus lanatus, cultivars, disease resistance 9401.
Pseudomonas pseudoflava,
cultural characteristics, physiology, hydrogenase 5658.
Pseudomonas pseudomallei,
antibodies, man, detection, indirect fluorescent antibody test 3167.
biodegradation, p-aminoazobenzene, characterization 7458.
drug sensitivity testing 5054.
melioidosis, clinical aspects, diagnosis, treatment, man, Malaysia 1995.
melioidosis, diagnosis, treatment, complement fixation, immunofluorescence, man 5243.
Pseudomonas putida,
antibacterial activity, serum, meat extracts, rabbits 7865.
association, cotton, electron microscopy, ultrastructure 5604.
biodegradation, soil horizons association oil 11014.
catalase activity 11209.
ceftizoxime, antibacterial activity, in vitro 328.
cephalosporanic acid amidase, isolation, activity 5746.
cobalt substituted cytochrome P-450, E.S.R. 3886.
cytochrome c oxidase, photochemistry, lasers 2753.
cytochrome P-450, heme reconstitution, E.S.R. 3885.
cytochrome P-450, redox potential relationship spin transitions 4774.
cytochrome P-450cam, amino acid sequence 8522.
cytochrome P-450cam, cysteine residues, 2-bromoacetamido-4-nitrophenol alkylation 12479.
cytochrome P450, reconstitution, kinetics dehydrocamphor epoxidation 6534.
dehalogenase activity, association, 2-monochlorpropionate, mechanisms 12682.
dehalogenation, monochloroacetic acid, dichloroacetic acid, 2-monochloropropionic acid, 2,2-dichloropropionic acid, enzymatic activity, characterization 1503.
3,4-dichloroaniline biodegradation 9611.
3,4-dichloroaniline mineralization enhancement, association, aniline 10782.
1,2-didehydropipecolate reductase, characterization, metabolic pathways 6640.
dihydrolipoamide reductase, valine substrate specificity, effects on keto acid dehydrogenase 5775.
ethylene Pseudomonas putida, soil, in vitro, aeration effects on 5541.
growth, alkane 1-monooxygenase, activity 7582.
4-hydroxyphenylacetate degradation, regulation 235.
incidence, soil, USSR, association oil 13492.
inoculation, Triticum seeds, disease control, rhizosphere microogranisms 9399.
keto acid dehydrogenase characterization, association valine 5784.
malonate decarboxylase, purification, characterization 4868.
metabolism, allylglycine, cis-crotylglycine, role plasmid TOL 288.
4-methoxybenzoate monooxygenase (O-demethylating), E.S.R. 3953.
mutants, alginates biosynthesis 1566.
mutants, selection, dehalogenase, 2-monochlorobutanoic acid, 2-monochloropropionic acid, induction, continuous culture 1614.
mutants, transport, β-ketoadipate, chemotaxis, regulation 1353.
naphthalene, salicylate, metabolism, role, plasmids, chromosomes 283.
oxidation, phenol, structure-activity relationships, characterization 8407.
phosphorus solubilization, characterization 4960.
protocatechuate 3,4-dioxygenase, kinetics reaction oxygen+substrates, characterization intermediates 3954.
protocatechuate 3,4-dioxygenase, purification, characterization 3966.
putidamonooxin, mechanisms dioxygenase activity 7542.
soil isolates, 3,4,5-trimethexycinnamic acid derivatives, degradation, reaction mechanisms, methanol biosynthesis 1408.
solubilization, biodegradation, phosphates 7445.
TOL plasmid, deletion mutant, electrophoresis 12838.
TOL plasmid, DNA characterization 5016.
urocanate dehydratase, kinetics, mechanisms, fluorescence 7585.
urocanate dehydratase, mechanisms, fluorescence, N.M.R. 7584.
urocanate hydratase mechanisms, use N.M.R. 3977.
Pseudomonas putrefaciens,
infection, larynx carcinoma, man 13141.
Pseudomonas radiora,
radiosensitization, factors affecting 6848.
Pseudomonas savastanoi,
iaaM gene, cloning, characterization, Virulence determinants 5837.
Pseudomonas solanacearum,
bacteriocins susceptibility, detection, isolation, media (culture), soil 5558.
biotyping, host range, Australia 4711.
infection, seed-borne diseases, soil-borne diseases, Capsicum frutescens, Lycopersicon esculentum, factors affecting 3668.
isolation, soil, media (selective), bacteriocins 12132.
mutagenesis, transposons, role, P-1 plasmid 5023.
Nicotina, hypersensitivity, cytochemistry, phenolics 2407.
Pelargonium hortorum, wilt, identification, new records 9389.
phospholipids, structure, fatty acid composition 11233.
role, phytoalexins induction, plants, antibacterial activity 8147.
soil levels, wilt, Solanum tuberosum, Costa Rica, crop rotation, weed control, effects on 4605.
tannins soil amendment effects on, respiration, glucose oxidation 13503.
wilt, Musa sapientum, phage typing, host range, Musa sapientum, Musa textitis 10740
wilt, soil levels, Solanum tuberosum, crop rotation, effects on, Costa Rica 2415.
wilt, Solanum tuberosum, disease resistance, screening 6398.
wilt, Solanum tuberosum, isolation, incidence, Peru 9420.
wilt, Solanum tuberosum, Peru 10737.
Pseudomonas solancearum,
survival, soil 3697.
Pseudomonas striata,
aspartate aminotransferase, substrate specificity 12607.
Pseudomonas syringae,
association, leafspot, Lycopersicon esculentum, USA, Georgia 2409.
blister spot, Malus pumila, detection methodology 13432.
canker, Prunus persica, characterization 9407.
Coffee arabica blight, disease spread, seasonal variations, rainfall effects on 9411.
etiology, biochemical characteristics, physiology, infection, Prunus armeniaca 2408.
Glycine max hypersensitivity, inhibition, blasticidin S, streptomycin, temperature 5504.
identification, characterization, Prunus armeniaca 2405.
incidence, Prunus avium, Czechoslovakia 1138.

Pseudomonas syringae, (continued)
induction, glyceollin biosynthesis, cell culture, Glycine max 12110.
infection, etiology, Phaseolus vulgaris, Glycine max, characterization 9415.
infection, Pinus radiata seedlings, dieback, identification, characterization 9417
leafspot, disease transmission, soil, air, Cucumis sativa, greenhouses 7299.
Malus pumila blister spot, susceptibility, seasonal variations 9410.
population dynamics, Avena sativa 1148.
taxonomic revision, association, pathogenicity, Oleaceae, Nerium oleander 8301.
± tobacco mosaic virus, Nicotiana tabacum secondary infection, disease resistance, role leaves proteins 8144.
transformation, R factors 249.
Pseudomonas syringae pv.atropurpurea,
coronatine biosynthesis, phytotoxicity, taxonomic significance 10073.
Pseudomonas syringae pv.glycinea,
coronatine biosynthesis, phytotoxicity, taxonomic significance 10073.
Glycine max isoflavonoids effects on 12091.
Glycine wightii isolates, toxins production, pathogenicity 6858.
infection, immobilization, role, disease resistance, glycine max 10749.
leaf blight, Glycine max, disease resistance, immobilization role 13440.
occurence, seasonal variations, Glycine max, cultivars, leaves 13436.
Pseudomonas syringae pv.maculicola,
coronatine biosynthesis, phytotoxicity, taxonomic significance 10073.
Pseudomonas syringae pv.morsprunorum,
coronatine biosynthesis, phytotoxicity, taxonomic significance 10073.
Pseudomonas syringae pv.papulans,
blister spot, Malus pumila, detection methodology 13432.
infection, Malus pumila, detection, media (selective) 9508.
Pseudomonas syringae pv.pisi,
identification, isolation, blight, Pisum sativum, symptoms 10742.
Pseudomonas syringae pv.syringae,
blister spot, Malus pumila, detection methodology 13432.
infection, Malus pumila, detection, media (selective) 9508.
Pseudomonas syringae pv.tomato,
survival, seeds, Lycopersicon esculentum, Piper nigrum 12099.
Pseudomonas syringae subsp.savastanoi,
canker, Fraxinus excelsior 8137.
Pseudomonas syringae subsp.savastanoi pv.fraxine,
canker, Fraxinus excelsior 3670.
Pseudomonas tabacci,
plasmids, characterization 7708.
Pseudomonas tabaci,
wildfire, toxins, inactivation, glutamine synthetase, chlorosis, leaves, Nicotiana tabacum 3138.
Pseudomonas taeniospiralis sp.nov.,
characterization, Kappa particles 9539.
Pseudomonas testosteroni,
mutants, benzoate induction 3-hydroxybenzoate 2- monooxygenase 5769.
5,10-secoestr-5-yne-3,10,17-trione inactivation steroid Δ-isomerase active sites, amino acid sequence 6664.
steroid Δ-isomerase, inactivation 5,10-seco-19-norpregn-5-yne-3,10,20-trione, 5,10-secoestr-5-yne-3,10,17-trione, adducts formation 6591.
steroid-binding protein, cytoplasmic membranes 3937.
Pseudomonas thermophila,
ribulosebiphosphate carboxylase organelles, characterization 12676.
ultrastructure 12348.
Pseudomonas tolaasi,
isolation, peat, methodology 8253.
Pseudomonas tomato,
damping-off, inhibition, seeds germination, growth, Lycopersicon esculentum 3669.
detection, soil, plants, methodology 1143.
infection, symptoms, electron microscopy, Lycopersicon esculentum 3660.
media (culture), carbon sources, nitrogen sources, cultural characteristics 8258.
speck, outbreaks, Lycopersicon esculentum, Canada 9404.
Pseudomonas viridiflava,
canker, symptoms, Euphorbia pulcherrima, characterization 9403.
etiology, blight, Pastinaca sativa 2411.
wound infection, Medicago sativa, association Nematoda 7297.
Pseudonomas morsprunorum,
conjugation, DNA transfer 2854.
Pseudotuberculosis,
animal isolates, horses, isoniazid antibacterial activity 8845.
subclinical infection, diagnosis, man 13303.
Yersinia enterocolitica, association, Reiter's disease+histocompatibility antigen HLA, B27 determinant, case reports, man 7159.
Psidium guajava,
soft rot, Ceratocystis paradoxa, characterization 10745.
Psittaciformes,
Chlamydia, identification, isolation 7397.
intestine, colonization, Escherichia coli, Klebsiella pneumoniae 2360.
Psittacosis,
Aves, antibiotic prophylaxis, chlortetracycline, detection methodology 7806.
Chlamydia psittaci, diagnosis, Melopsittacus undulatus, case reports 7236.
Chlamydia psittaci, man, clinical aspects, Aves, transmission 6317.
Chlamydia psittaci, treatment, clinical aspects, occupational exposure, education institutions, man 767.
Chlamydia psittaci, treatment, prophylaxis, Brotogeris versicolorus chiriri 2362.
chlamydia, tetracycline, antibiotic therapy, case reports, man 9102.
epidemiology, man, British Isles 10476.
family studies, man 6965.
Legionnaire's disease, serotyping differential diagnosis, man 11743.
Psittacula krameri manillensis,
isolation, Salmonella typhimurium 7256.
Psittacus erithacus,
Salmonella typhimurium salmonellosis, epidemiology, imported diseases 9366.
Psitticiformes,
chlamydiosis, Chlamydia, epizootiology 6370.
Psitticosis,
Chlamydia psittaci, epidemiology, zoonoses, man 9293.
Psophocarpus tetragonolobus,
nodulation, Rhizobium 2467.
water regimes effects on nodulation, growth 5539.
Psoralen,
cross-linking, DNA hybridization, rRNA 16S polarity, Escherichia coli 11081.
cross-linking rRNA 16S, nucleotide sequence identification, probes secondary structure, Escherichia coli 6596
Psoralen, (continued)
+U.V. radiation, Haemophilus influenzae, DNA repair, role, gene products 3893.
Psoriasis,
man, Malassezia ovalis, Staphylococcus epidermidis effects on skin 10288.
skin microflora, treatment, man 13077.
Psoroptes cuniculi,
otitis media, association, Staphylococcus epidermidis, clinical aspects, rabbits 8085.
Psychological aspects,
tampons use, association, toxic shock syndrome, man, adolescents 10127.
toxic shock syndrome, man, case surveys 10117.
Psychrophilic bacteria,
amino acids uptake, role, receptors 5630.
bioluminescence, morphology, cell walls 12326.
heat resistance, milk sterilization 9656.
isolation, Scomber japonicus, histamine formation 7640.
isolation, soil, temperature, effects on, DNA, RNA, cultural characteristics 12445.
Psychrophilic microorganisms,
Actinoplanes, species characterization, cultural characteristics 8456.
growth rate, temperature effects on 7472.
thermophilic microorganisms, temperature effects on 7472.
Psychrotrophic bacteria,
Bacillus, taxonomy, nomenclature 8287.
Clostridium botulinum, taxonomy, ecology 8292.
Pseudomonas, milk, taxonomy, ecology 8288.
spoilage, virulence, meat, food, fishery products, conferences, books 9499.
temperature, inactivation, triacylglycerol lipase 12601.
Yersinia enterocolitica, zoonoses, pigs, man 9230.
Pterocarpans,
Dolchos biflorus, production, Pseudomonas pisi, inoculation 1146.
Pubic bone,
osteitis, bacteria, pathology, treatment, man 3537.
Public health,
association, incidence, Rocky Mountain spotted fever, diagnosis, treatment, man 7191.
man, animal wastes, antibiotic resistance bacteria, R factors 7825.
man, tine test, reviews 13345.
man, tuberculosis, disease spread 10634.
meat, association, leptospirosis, leptospira, man 9232.
tropical environments, animals parasitic diseases effects on 13369.
Puerperium,
mastitis, metronidazole treatment, man 7117.
tuberculosis, association, man 5412.
Pullulanase,
Klebsiella pneumoniae, dextran use purification 11173.
Pulp wastes,
pollution effects, bacterioplankton, rivers, Canada 2494.
Pulvomycin,
interaction elongation factor Tu, Lactobacillus brevis 11128.
Pumps,
Escherichia coli, potassium transport, lactic acid secretion 6502.
ions, currents, bacteria, reviews 12286.
ions, membranes, transport, reviews, books 13533.
protons, effects on maturation membrane proteins, Escherichia coli 65.
protons, Halobacterium halobium, bacteriorhodopsin, role, arginine 4785.
protons, Halobacterium halobium, bacteriorhodopsin, role C-terminus regions, purple membranes 7409.
protons, Halobacterium halobium, purple membranes, bacteriorhodopsin, mechanisms, reviews 12284.
protons, kinetics, Halobacterium halobium, purple membranes, bacteriorhodopsin, lipid membranes reconstitution 7408.
protons, thermophilic bacteria, reconstitution, liposomes, mechanisms, reviews 12283.
sodium, Streptococcus faecalis, adenosinetriphosphatase 9597.
thermophilic bacteria, liposomes, protons pumps, reviews 12283.
Pure culture,
Entamoeba histolytica, infection, hamsters, pathogenicity, bacteria effects on virulence 10151.
Rhizobia, growth, nodulation, herbicides effects on 1389.
Zamia pumila roots, light effects on growth, nodulation, geotropism 10780.
Purine-nucleoside phosphorylase,
Enterobacter cloacae, characterization 7578.
mechanisms, Escherichia coli 7570.
Purines,
comparison pyrimidines, RNA polymerase kinetics, transcription, Escherichia coli 1451.
effects on Clostridium perfringens enterotoxins biosynthesis, in vitro 11369.
Streptomyces adephospholyticus nucleoside 5'-diphosphate-3'-diphosphates, nucleoside 5'-triphosphate-3'-diphosphates, protein biosynthesis, regulation 5718.
transport, genetic relationship, phosphoribosyltransferase activity, Salmonella typhimurium 1357.
transport, marine bacteria, characterization 6516.
Puromycin,
analogs, photoaffinity labelling, ribosomes, Escherichia coli 12527.
analogs, photoaffinity labelling, ribosomes, Escherichia coli 12528.
photoaffinity labelling, ribosomes, electron microscopy, Escherichia coli 8497.
Purple membranes,
bacteriorhodopsin, characterization retinylidene chromophores lysine attachment sites, Halobacterium 4776
bacteriorhodopsin, chemical modification, linkage regions, Halobacterium halobium 5695.
bacteriorhodopsin, fluorescamine chemical modification, C.D., Halobacterium halobium 6560.
bacteriorhodopsin, identification retinal attachment sites, role lysine, Halobacterium halobium 4838.
bacteriorhodopsin, orientation retinal chromophores, fluorescence, Halobacterium 4789.
bacteriorhodopsin, protons pumps, pH effects, photochemistry, Halobacterium halobium 2675.
bacteriorhodopsin, retinol binding, amino acid sequence, Halobacterium halobium 2674.
bacteriorhodopsin, retinylidene chromophores, I.R. spectroscopy, mechanisms protons pumps, Halobacterium halobium 6555.
Halobacterium halobium, bacteriorhodopsin, interaction lipids, membranes,

Purple membranes, (continued)
reconstitution 7404
Halobacterium halobium, bacteriorhodopsin, light induction 6556.
Halobacterium halobium, bacteriorhodopsin, lipid membranes reconstitution, protons pumps kinetics 7408.
Halobacterium halobium, bacteriorhodopsin, protons pumps, role C-terminus regions 7409
Halobacterium halobium, bacteriorhodopsin, protons pumps, mechanisms, reviews 12284
Halobacterium halobium, denaturation, temperature effects, pH effects 145
Halobacterium halobium, enthalpy, spectroscopy, bacteriorhodopsin intermediates 6565
Halobacterium halobium, freeze-fracture, morphology, characterization 5690.
Halobacterium halobium, vesicles, urease, reconstitution, temperature effects on 6623
I.R. spectroscopy, bacteriorhodopsin protonation, Halobacterium halobium 9668.
phase transition, X-ray diffraction, C.D., absorption spectroscopy, Halobacterium halobium 4784
photons, photochemistry, ratio, bacteriorhodopsin, Halobacterium halobium 3887.
protons binding, light induction, pH, temperature, ionic strength effects on, Halobacterium halobium 3881
purple membranes 9668.
Raman spectroscopy, rhodopsin, Halobacterium halobium 6547.
reaction centers proteins, N-terminus amino acid sequence, Rhodopseudomonas sphaeroides 11123.
ultrastructure, electron microscopy, Halobacterium halobium 6550.
Purpura,
Streptococcus pneumoniae, spleen accessory cells, man 2220.
Pustule disease,
postoperative infection, man, Diabetes mellitus, inflammation response 7925.
resistance, Vigna unguiculata, Xanthomonas 1149.
Putidamonooxin,
mechanisms dioxygenase activity, Pseudomonas putida 7542.
PutP gene,
Escherichia coli, transport, role, putA gene, gene products 6508
Putrescine,
clinical aspects, vaginitis, Trichomonas vaginalis, diagnosis, biochemical characteristics, man 7041
Escherichia coli, defective mutant, biosynthesis, nutrient requirements, polyamines 2641.
hemolymph, physiology, Heliothis zea 8127
Pyelitis,
association, urinary tract infection, kidney necrosis, man, case reports 9155.
Pyelonephritis,
animal models, Escherichia coli 844.
association, Escherichia coli, pili, adherence, epithelium, urinary tract, children 3387
bacteria, presentation, abscesses, kidney, man 3389
cefoperazone treatment, man 10347
Corynebacterium renale, sheep, case reports 5469.
Corynebacterium renale, treatment, penicillin+acetohydroxamic acid, rats 4436.
emphysema, Escherichia coli, association, polycystic kidney, man, case reports 2089
emphysema, Escherichia coli, pathology, diagnosis, treatment, man, case reports 2080
Enterococcus, association, diuresis, water absorption, animal models 13197.
Escherichia coli, antibody response, antigenic characteristics, rats 4293.
Escherichia coli, experimental infection, antibody response, animal models 864.
Escherichia coli, experimental infection, methodology, animal models, man 10488.
Escherichia coli, pili, antigenic characteristics, man 10144.
Escherichia coli, prophylaxis, Escherichia coli vaccination, antibody response, rats 5260.
Escherichia coli, treatment, mecillinam, comparison, cephaloridine, man 10514.
gram-negative bacteria, treatment, fosfomycin, man 7051
Proteus mirabilis, treatment, cefotiam, rats 6798.
Pseudomonas aeruginosa experimental infection, treatment, ceftazidime, rats 5332
Staphylococcus aureus, methicillin, antibiotic resistance, rats, treatment 7046.
Streptococcus faecalis, Escherichia coli, antibiotics treatment, pharmacokinetics, animal models 13257.
Streptococcus faecalis, treatment, ampicillin± rifampicin± streptomycin, animal models 862.
Pyelonephritis pathology,
diabetes mellitus rats, association Staphylococcus aureus Streptococcus faecalis 6212.
Pyochelin,
Pseudomonas aeruginosa, structure 5811.
Pyocin,
effects on Pseudomonas aeruginosa membrane permeability, relationship, fluorescence labelling 8786.
Pyocin typing,
Neisseria meningitidis 7388.
Pseudomonas aeruginosa, aeruginocine, antibiotic sensitivity testing 8785.
Pseudomonas aeruginosa, pyocins, isolation, characterization 2994.
Pyocin 103,
Pseudomonas aeruginosa, interaction, Neisseria gonorrhoeae, lipopolysaccharides, cell surface 2831.
Pyocins,
C.D., Pseudomonas aeruginosa 7709.
Pseudomonas aeruginosa, isolation, characterization, pyocin typing 2994.
Pseudomonas aeruginosa, production 8751.
Pyocyanin,
Pseudomonas aeruginosa, antibacterial activity, bacteria 6816.
Pyoderma gangrenosum,
postoperative infection, gangrene, etiology, treatment, man 4514.
Pyomyositis,
abscesses, association, gram-negative cocci, man, Thailand 4477.
Staphylococcus aureus, predisposing factors, pharyngitis, diagnosis, treatment, man, case reports 2231.
Pyopneumothorax,
Staphylococcus aureus, Klebsiella, neonates, man, case reports 6184.
Pyrazinamidase,
Mycobacterium tuberculosis, clinical isolates, screening, susceptibility, pyrazinamide, antitubercular agents 1785.
Pyrazinamide,
antitubercular agents, Mycobacterium tuberculosis, clinical isolates, susceptibility, pyrazinamidase, screening 1785.
Pyrazinamide, (continued)
drug sensitivity testing, drug resistance, Mycobacterium tuberculosis 1783.
Pyrazinamide deamidase,
activity, tuberculosis, man 841.
2-Pyrazoline,
derivatives, antimicrobial activity 422.
Pyrene,
water pollution, microorganisms bioaccumulation 7433.
Pyricularia oryzae,
Oryza sativa, host-pathogen interactions, biosynthesis, antifungal agents, antibacterial activity 4207.
Pyridine carboxylic acids,
biodegradation, Bacillus 7426.
Pyridines,
antibacterial activity, synthesis, Escherichia coli, Staphylococcus aureus, Salmonella typhi 439.
antimicrobial activity, Escherichia coli, Streptococcus thermophilus, Neurospora crassa, Candida utilis 5970.
Pyridinium-2-azo-p-dimethylaniline chromophore,
use, detection, penicillinase, Haemophilus influenzae, Neisseria gonorrhoeae 8268.
Pyridoxal,
serum levels, association, urinary tract infection, diabetes mellitus, man 849.
Pyridoxal 5'-phosphate,
chemical modification elongation factor G, Escherichia coli 12539.
chemical modification, inactivation, propanediol dehydratase, Klebsiella pneumoniae 4055.
derivatives, interaction, Escherichia coli tryptophan synthase 208.
Pyridoxal kinase,
Escherichia coli, role, pyridoxine uptake 1427.
Pyridoxine,
+antibiotics+immunotherapy, treatment, acne, clinical trials, man 3272.
uptake, Escherichia coli, role, pyridoxal kinase 1427.
Pyrimidines,
biosynthesis, enzymes, Bacillus subtilis 8615.
biosynthesis, Salmonella typhimurium, mutants, kinetics, regulation 1539.
comparison purines, RNA polymerase kinetics, transcription, Escherichia coli 1451.
dimers, association, DNA repair, recA gene protein, role, Escherichia coli 9673.
effects on enzymatic synthesis, cytosine deaminase, Salmonella typhimurium 6635.
Streptomyces adephospholyticus nucleoside 5'-diphosphate-3'-diphosphates, nucleoside 5'-triphosphate-3'-diphosphates, protein biosynthesis, regulation 5718.
Pyrogenicity,
endotoxins, Limulus lysate test 5993.
Escherichia coli lipopolysaccharides, brain lipoproteins effects on, rabbits, rats, chickens 488.
Escherichia coli lipopolysaccharides, inactivators, rabbits brain lipoproteins, column chromatography 489.
vaccines, man, Limulus lysate test, rabbit pyrogen test 6934.
Pyrogens,
tests, correlation, Limulus lysate test, lipopolysaccharides, endotoxins, Escherichia coli 460.
Pyroglutamyl amimopeptidase,
inactivation, N^{a}-carbobenzoxy-L-pyroglutamyl chloromethyl ketone, Bacillus amyloliquefaciens 3955.
Pyroglutamyl aminopeptidase,
N-carbobenzoxy-L-pyroglutamyl diazomethyl ketone affinity labelling, inactivation, Bacillus amyloliquefaciens 8581.
Pyrolysis,
gas chromatography, Streptococcus faecalis, cell culture growth conditions effects on 9512.
Pyrolysis products,
Bacillus subtilis var.niger, cell walls, chemical composition, continuous culture 4075.
Mycobacterium, identification, mass spectroscopy 5583.
Mycobacterium tuberculosis, Mycobacterium bovis, identification 2555.
polypropylene, effects on Klebsiella pneumoniae respiratory tract infection, rats, mice 3312.
Pyrophosphate,
effects on termination factor rho adenosinetriphosphatase activity, RNA binding, Escherichia coli 9683.
Pyrophosphates,
Pseudomonas aeruginosa, metabolism, radioactive labelling 4762.
Pyrroles,
derivatives, synthesis, antibacterial activity, Escherichia coli 424.
1-Pyrroline-5-carboxylate dehydrogenase,
mechanisms, kinetics, Salmonella typhimurium 4008.
purification, characterization, Salmonella typhimurium 4053.
Pyrroline-5-carboxylate reductase,
mechanisms, kinetics, Salmonella typhimurium 4008.
purification, characterization, Salmonella typhimurium 4053.
Pyrrolomycin A,
Streptomyces, biosynthesis, isolation, characterization 2970.
Pyrrolomycin B,
Streptomyces, biosynthesis, isolation, characterization 2970.
Streptomyces, biosynthesis, structure 2971.
Pyrsonympha,
symbionts ultrastructure, flagella, bacteria 6393.
Pyrus,
orchards, association, yellow leaf-roll, distribution, Prunus persica, incidence, USA, California 10744.
viruses, mycoplasma-like organisms, detection 1136.
Pyrus communis,
decline, Mycoplasma-like organisms persistent infection 12098.
fireblight, Erwinia amylovora, streptomycin resistance 8806.
Spiroplasma citri infection, enumeration 13438.
Pyruvate,
effects on, growth, Thiobacillus acidophilus 111.
excretion, Escherichia coli, carbon sources, succinate 8459.
Pyruvate carboxylase,
subunits, peptide mapping, amino acid composition, quaternary structure, Pseudomonas citronellolis 4042.
Pyruvate dehydrogenase,
activity, streptomyces chrysomallus var.carotenoides 11207.
cross-linking, N.M.R., Escherichia coli 9781.

Pyruvate dehydrogenase, (continued)
enzymatic activity, lipoic acid effects on, Escherichia coli 202.
Escherichia coli, gene mapping, aceE gene, aceF gene, lpd gene, linkage 5823.
loci, expression, Escherichia coli 12813.
multienzyme complexes, mechanisms, role dihydrolipoamide acetyltransferase lipoic acid residues, Escherichia coli 11161.
multienzyme complexes, reconstitution, Bacillus stearothermophilus 11188.
multienzyme complexes, role dihydrolipoamide acetyltransferase lipoic acid residues mechanisms, Escherichia coli 11160.
Pseudomonas aeruginosa, multienzyme complexes, deficient mutant, isolation, characterization, genetic analysis 1610.
Pseudomonas aeruginosa, multienzyme complexes deficient mutant, purification, characterization 1524.
Pyruvate dehydrogenase (lipoamide),
dimethyl glutarimidate cross-linking, quaternary structure, Bacillus stearothermophilus 12614.
multienzyme complexes, chymotrypsin proteolysis, N.M.R., Bacillus stearothermophilus 11168.
purification, characterization, Salmonella typhimurium, Escherichia coli 11148.
Pyruvate kinase,
activity, Propionibacterium shermanii, association, glycolysis, gluconeogenesis 12653
purification, characterization, Halobacterium cutirubrum 12612.
Streptococcus mutans, purification, characterization 5759.
Pyruvate oxidase,
conformational analysis, C.D., electron microscopy, Escherichia coli 11146.
deficient mutant, gene mapping, transposon Tn10 use, Escherichia coli 12791.
Escherichia coli, interaction, lipids 3983.
fluorescent probes, Escherichia coli 11197.
interaction, thiamin pyrophosphate, Escherichia coli 7558.
Pyruvic acid,
biosynthesis, kinetics, Photobacterium mandapamensis 12694.
fermentation, Escherichia coli, mutants, ana gene, gene mapping 1593.
Pyruvic oxime,
denitrification, Alcaligenes, nitric-oxide reductase, nitrate reductase, soil 12421.
Pythium,
soil microorganisms, fungicides effects on population dynamics 5512.
Pythium aphanidermatum,
susceptibility, Pseudomonas pigments, characterization 5697.
Pythogenesis,
Streptobacillus moniliformis, Spirillum minor, infection, diagnosis, charaterization 11984.
Pyuria,
bacteriuria differential diagnosis, man 6231.
detection, nitrite test, urinalysis, pregnancy, man 2059.
differential diagnosis, bacteriuria, urinary tract infection 6231.
man, characterization 8008.

Quality,
Rhizobium, Glycine max, Medicago sativa, Arachis hypogaea, γ radiation, steam, sterilization, effects on 2463.
Quality control,
antibiotic sensitivity testing, agar diffusion test 12885.
disc-diffusion test, ampicillin, carbenicillin, mezlocillin, piperacillin 6807.
reagents, cost-benefit analysis, Enterobacteriaceae identification 6465.
Quantification,
Spiroplasma citri infection, plants 10750.
Quantitation,
enterotoxins, binding, rats liver cells, clostridium perfringens 8896.
methodology, bacteria infection, association, Septicemia, man 13347.
nodulation competitiveness, Rhizobium leguminosarum 10787.
Quantitative distribution,
bacterioplankton, Black Sea 1238.
Quasielastic light scattering,
vesicles, toxins subunit structure, binding ganglioside Gm1 receptors, phospholipids vesicles models membranes 7888.
Quercitin,
transformation, Bacillus cereus 3846.
Quercus,
bark, decay, bacteria, in vitro 8434.
Quinacrine,
binding, Escherichia coli, Clostridium perfringens, Micrococcus, DNA 158.
Quinacrine hydrochloride,
effects on Escherichia coli enterotoxins acute toxicity, gastrointestinal tract, mice 6023.
Quinazolones,
derivatives, synthesis, antitubercular activity 5135.
Quinolate,
Escherichia coli, biosynthesis, L-aspartate oxidase 6631.
Quinoline carboxylic aid,
derivatives, treatment, wound infection, burns, sulfadiazine drug resistance Pseudomonas, man, burns, wound infection, sulfadiazine drug resistance Pseudomonas, treatment, quinoline
Quinolines,
derivatives, synthesis, antibacterial activity, Staphylococcus 416.
disease control, vibriosis, Pisces, marine environment 8090.
Quinolinic acid,
biosynthesis, L-aspartate oxidase, Escherichia coli 5783.
Quinolone,
derivatives, antibacterial activity, urinary tract infection, man, in vitro 1761.
Quinolones,
drug sensitivity testing, Escherichia coli, Klebsiella, Citrobacter, Proteus, clinical isolates 4175.
structure-activity relationships 5965.
Quinone,
acceptors, complex, association, oxidation-reduction potential, photosynthesis, Rhodopseudomonas sphaeroides 8472
analogs, inhibition iron-sulfur centers, photosynthesis, Chromatium vinosum 7484.
effects on Rhodospirillum rubrum chromatophores photochemistry 7851.
Quinones,
distribution, bacteria, taxonomy 5598.
electron transfer, bacteriochlorophylls, fluorescence, reaction centers, Rhodopseudomonas sphaeroides 6551.
Quinones, (continued)
orientation, E.S.R., reaction centers, chromatophores, Rhodopseudomonas sphaeroides, Chromatium vinosum 3879.
specificity, electron transport chain, bacteria 9666.
Quinoxalines,
Streptomyces echinatus, biosynthesis, structure 7756.
Quintozene,
soil microorganisms, effects on carbon dioxide fixation 6833.

Rabbit pyrogen test,
pyrogenicity, vaccines, man 6934.
Rabbits,
aminoglycoside antibiotics, antibacterial activity, factors affecting 1702
animal models, bacteria endocarditis, man 13327.
animal models, berberine effects on enterotoxins, Vibrio cholerae, Escherichia coli 4241.
animal models, Escherichia coli diarrhea, vaccination, colonization factor antigens 663.
animal models, inactivation bacteria topical application, induction immune response, treatment, skin infection 7934.
animal models, intestine, Aeromonas hydrophila enterotoxins effects on 11497.
animal models, meningitis, Haemophilus influenzae, Streptococcus pneumoniae, treatment, β-lactam antibiotics 7073.
animal models, non-fermentative gram-negative bacteria, eye experimental infection, antibiotics treatment, man 13317.
animal models, postoperative infection, Staphylococcus aureus, Propionibacterium acnes, arthroplasty 983.
animal models, Pseudomonas aeruginosa keratitis, treatment, tobramycin, gentamicin 7118.
animal models, pyelonephritis, Escherichia coli, experimental infection, methodology, man 10488.
animal models, salpingitis, experimental infection, pathology, antibody response 10277.
animal models, Streptococcus pneumoniae vaccination, endocarditis prophylaxis, in vivo, in vitro 618.
animal models, urinary bladder, bacteria adsorption, heparin effects on 1374.
animal models, urinary bladder glycosaminoglycans antibacterial activity, effects on bacteria adherence 6226.
animal models, Vibrio cholerae enterotoxins subunits role cholera pathogenicity 10111.
antibody response, Escherichia coli, antigen K, use, vaccines 4277.
antibody response, Escherichia coli, enterotoxins, colonization antigens 10228.
antibody response, Mycobacterium-intracellulare-scrofulaceum glycoproteins antigens, immunogenicity 6890.
antibody response, vaccines, hepatitis B surface antigen, gene expression, Escherichia coli plasmids 9867.
antisera, methanogenic bacteria, antigenic relationship, characterization 6028.
antisera, Mycoplasma arthritidis, interaction, synovium cells, rats 555.
aspartate aminotransferase, serum levels, enterotoxins, Escherichia coli 10082.
Bacillus sphaericus pathogenicity 2368.
blood culture, bacteremia, animal models 4672.
brain, lipoproteins, effects on pyrogenicity, Escherichia coli lipopolysaccharides 488.
brain, lipoproteins, inactivators, pyrogenicity, Escherichia coli lipopolysaccharides, column chromatography 489.
Brucella vaccination, association, antibiotics effects on immune response 10254.
cefazolin toxicity testing, Staphylococcus aureus, endophthalmitis, animal models 11873.
cell culture, toxicity, enterotoxins, Salmonella wien 12982.
cerebellum, spinal cord, activity patterns, experimental infection, tetanus, Clostridium tetani 485.
cholecystitis, experimental infection, Escherichia coli, detection, antibody-coated bacteria, bile 8990.
cold agglutinins, Streptococcus group C, antigen-antibody interactions, cell surface glycoproteins, immunoglobulin G 6113.
cornea cells, Pseudomonas aeruginosa adherence 9608.
cornea, Pseudomonas aeruginosa pathogenicity, isolation, man eyes 6483.
corynebacterium parvum effects on reticuloendothelial system function, albumin particles 8977.
Dermatophilus congolensis, experimental infection, pathology 4586.
diarrhea, Escherichia coli colonization factor, Sepharose prophylaxis 10356.
endocarditis, Staphylococcus aureus, experimental infection, treatment, ampicillin+pencillinase inhibitors 4577.
endocarditis, Streptococcus faecalis, experimental infection, penicillins, Streptomycin, treatment 8097.
endocarditis, Streptococcus faecalis, experimental infection, antibiotic synergism, penicillins, streptomycins 8098.
Erysipelothrix rhusiopathiae experimental infection, stimulation arthritis 13397.
Escherichia coli cell surface antigens, immunogenicity 10200.
Escherichia coli endotoxins hypotension, complement activation, prostaglandin F1α levels 493.
Escherichia coli, indomethacin, aspirin, effects on inflammation 10203.
Escherichia coli, Pseudomonas aeruginosa, Salmonella typhi, antigen (enterobacterial common), opsonization 3179.
experimental infection, Francisella tularensis, Pseudomonas aeruginosa, aerodin treatment, effects on immune response 6181.
experimental infection, Pseudomonas aeruginosa, keratitis, role, retinol deficiency 2229.
experimental infection, Staphylococcus aureus endocarditis, clindamycin treatment 9335.
experimental infection, urinary tract, Streptococcus group D, antibodies, levels 1878.
eye blood vessels, Salmonella typhimurium endotoxins effects on 6871.
factors affecting, Vibrio cholerae, Vibrio parahaemolyticus, brush
feeds, effects on intestinal microflora, Escherichia coli 1047.
fever effects on serum levels, thyroxine, 3,3',5'-triiodothyronine, Escherichia coli endotoxins 11511.
functional morphology, vibrio cholerae toxins effects on 478.
gnotobiotics (germfree), Vibrio cholerae, toxins, antigen O, effects on 1825.
Haemophilus influenzae, lipopolysaccharides, effects on, trachea, cilia, animal models 11751.
hypersensitivity (immediate), Lactobacillus fermentum, lipoteichoic acids, antigen-antibody complexes 4278.
immune response (cell-mediated), endocarditis, Streptococcus intermedius,

Rabbits, (continued)
experimental infection, mustine, immunosuppression 6077
immune response (cell-mediated), Mycobacterium, Nocardia asteroides 1889.
immune response, Escherichia coli, enterotoxins, antigens synergism 10192.
immune response, Treponema pallidum, virulence 6040
immunity, keratitis, vaccination, Pseudomonas aeruginosa, M form, slimes 9062.
immunoglobulin G Fab, effects on Streptococcus group A Fc receptors 4270.
immunoglobulin G, reactivity, Streptococcus, virulence 6038
immunoglobulins, immunization (passive), mice, Pseudomonas septicemia 11648.
inflammation, Escherichia coli endotoxins, treatment immune serum 6865
inflammation, leukocytes (polymorphonuclear) induction, endotoxins Escherichia coli 6867
intestinal microflora, ampicillin, gentamicin treatment rabbits 9322
intestinal microflora, characterization 6325
intestine epithelium, cyclic AMP levels, stimulation Aeromonas hydrophila enterotoxins 8882
intestine epithelium, electrolyte balance, Vibrio cholerae toxins effects on 12978
intestine mucosa, interaction, Vibrio cholerae, role, chemotaxis 76.
intestine mucosa, interaction, vibrio cholerae, role, chemotaxis 82.
laparotomy, Staphylococcus aureus postoperative infection, pathogenesis, surgery comparison surgical diathermy 13404
leukocytes (neutrophilic), phagocytosis, Pasteurella multocida susceptibility 534
leukocytes (neutrophilic), phagocytosis, resistance, Bacteroides fragilis, capsules, virulence 7916
leukocytes, platelets, Rickettsiae lipopolysaccharides, effects on 4297.
leukocytes (polymorphonuclear), Staphylococcus aureus leukocidin components effects on enzymes 6047
lung, granuloma, hypersensitivity (delayed), inflammation, Mycobacterium tuberculosis, mycolic acid+peptidoglycans 4281.
lymphatic system, role, immune clearance, bacteria, soft tissues infection 10235.
lymphocyte transformation, Mycoplasma arthritidis, mitogens, antigenic characteristics, specificity 6887
macrophages, immunostimulation, lipopolysaccharides, bacteria, membranes, coagulation, role, endotoxin shock 4272.
macrophages, phagocytosis, Staphylococcus aureus, Pseudomonas aeruginosa, comparison, man, rats, hamsters 6088.
meningitis, Enterobacteriaceae, treatment, β-lactam antibiotics, pharmacokinetics 7066
meningitis, streptococcus pneumoniae, penicillin G treatment 13209.
Micrococcus luteus vaccination, antibody response, lysozyme antibodies 1913.
Micropolyspora faeni hypersensitivity, pneumonia, role, complement 593.
Mycobacterium avium, experimental infection, treatment, rifampicin, carbon tetrachloride 3615.
Mycoplasma arthritidis, antigens, induction, arthritis, clinical aspects 13037.
Neisseria gonorrhoeae infection, treatment, ampicillin 3425.
neonates, antibody response, lymphocytes stimulation, association, Haemophilus influenzae type b polysaccharides+proteins complex 3195.
orchitis, Treponema pallidum, macrophages phagocytosis, inflammation, hypersensitivity (delayed) 11613
osteomyelitis, experimental infection, Staphylococcus aureus, antibody response 13023
otitis media, association, Staphylococcus epidermidis, Psoroptes cuniculi, clinical aspects 8085.
Pasteurella multocida, experimental infection, bacteria enumeration, fever treatment, effects on 2384.
Pasteurella multocida, vaccination, effects on, lymphocytes, proliferation 10266.
Pasteurella multocida vaccination, immune response 3248.
Pasteurella multocida vaccination, role, immunity, pasteurellosis 6127.
pasteurellosis, antibiotics treatment, association, Clostridium difficile colitis 8119.
phagocytosis, Staphylococcus aureus, leukocytes (eosinophilic) peroxidase effects on 5209
pregnancy, Streptococcus pyogenes, endotoxins, exotoxin A effects on 10106.
Pseudomonas aeruginosa endotoxins vaccines effects on leukocytes (neutrophilic) phagocytosis, bactericidal activity 9035
Pseudomonas aeruginosa, skin lesions 4573.
reticulocytes, Corynebacterium diphtheriae toxins effects on 10080.
reticulocytes translation cell-free system, comparison tRNA Lys isoacceptors activity, Bacillus subtilis 7509.
reticuloendothelial system, scarlet fever Streptococcus group A toxins effects on 7900
Salmonella typhosa, vaccination, hyperimmunization, immune response, dogs 9025.
salmonellosis, experimental infection, effects on homeostasis 11983
Serratia marcescens keratitis, pathology, role, proteinase 1091.
serum, isolation, peptides, antibacterial activity 1792.
serum, meat extracts, antibacterial activity, Escherichia coli, Pseudomonas putida, Clostridium perfringens 7865.
serum neutralization gram-negative bacilli endotoxins induction hypotension 10263.
serum, peptides, antibacterial activity, composition 1789.
serum, peptides, antibacterial activity, effects on electron transport, Bacillus subtilis 1780.
Shigella flexneri antigens vaccination, immunoglobulin A immunological memory 6906
skeletal muscle, membrane potential, septic shock Escherichia coli effects on 11975.
skin, Aeromonas hydrophila enterotoxins toxicity 11514.
spleen, Corynebacterium diphtheriae, toxoids, immune RNA, antibody response, mice 11620.
Staphylococcus aureus endophthalmitis, experimental infection, pharmacokinetics, moxalactam 2397.
Staphylococcus aureus infection, leukocytes taxis induction, coagulase effects on 11585.
Staphylococcus aureus strains animal isolates, characterization 10929.
Streptococcus group A opacity factor, antisera preparation 8910.
Streptococcus group B infection, cell surface antigens development 11550.
Streptococcus pneumoniae cell walls effects on leukocytes (granulocytic) 1895.
subcutaneous chambers, Streptococcus faecalis experimental infection, inflammation, association, accumulation, gallium citrate, leukocytes 2209.
syphilis, association syphilis, lymphocytes supernatants, antibacterial activity, Treponema pallidum 8988.
syphilis lesions, complement role pathogenesis Herxheimer reaction 6085.
syphilis, lesions development 4446.
syphilis, treatment, bicillin, methyluracil 7085.

Rabbits, (continued)
syphilis, Treponema pallidum, experimental infection, serum, regulation, lymphocytes response 10182.
testis, spermatogenesis, Killed, BCG, methanol extraction, inhibition 3595.
thermal stability plasma proteins, Shigella experimental infection effects on 13173.
trachea organ culture, Bacteroides fragilis, anaerobiosis, tissues respiration 7466.
Treponema pallidum, experimental infection, antigens, immune response, immunoglobulin G 1874.
Treponema pallidum, experimental infection, immune response (cell-mediated), immune response (humoral), treatment, cortisone, effects on 3198.
urinary tract infection, isolation, Staphylococcus, Pseudomonas aeruginosa 9357.
vaccination, Pseudomonas aeruginosa antigen O, synthesis 7915.
vaccination, Salmonella abortus-equi vaccines, inactivation, β-propiolactone, glutaraldehyde 4340.
vaccination, Streptococcus, man immunoglobulin G antibodies production 9066.
vitreous humor, antigenic relationship, Klebsiella pneumoniae 522.
vitreous humor, antigenic relationship, Klebsiella pneumoniae 523.

Radiation,
damage, Escherichia coli, association, oxygen 12952.
effects on, bacteria, dental caries, plaque fluid, saliva, composition, Macaca mulata 3640.
effects on, cell surface, cell division, Escherichia coli 95.
effects on Cowdria ruminantium, Amblyomma hebraeum 1781.
effects on, Escherichia coli, mutants, cytoplasmic membranes, septation, role, oxygen 2590.
effects on Micrococcus radiodurans lysis, lysozyme 3104.
effects on, microflora, Enterobacteriaceae, monkeys 7223.
effects on, Streptococcus faecalis, membrane potential, membrane permeability 12298.
freezing, sterilization, effects on, Yersinia enterocolitica, viability 2659.
McCoy cells, infection, Chlamydia trachomatis, isolation methodology 9501.
resistance mutants, Salmonella typhimurium, gene mapping 12792.
treatment, carcinoma, dental caries prophylaxis, man 13107.
uridine 5'-phosphate dimers, rRNA, correlation cross-linking ribosomal proteins, Escherichia coli 5724.

U.V.**Radiation,**
effects on, Bacteroides fragilis, survival 3088.

α **Radiation,**
mutagenesis, Clostridium thermocellum, genetic engineering 8661.

γ **Radiation,**
effects on landfills leachates biodegradation 8400.
effects on Micrococcus radiodurans, lipids membranes, induction polysaccharides, exonuclease release 8633.
effects on, Rhizobium, quality, Glycine max, Medicago sativa, Arachis hypogaea 2463.
effects on Staphylococcus aureus γ-toxin 3123.
Enterobacteriaceae effects on mortality, gnotobiotics, mice 10726.
lethal levels, radiosensitization, bromine effects on, Streptococcus faecalis 3103.
Salmonella typhimurium mutation, antioxidants effects on 11468.
sterilization, Mueller-Hinton agar, growth, Shigella boydii, Neisseria meningitidis, Staphylococcus aureus 3762.

γ-**Radiation,**
sterilization, incidence, bacteria, peat 3702.

Radiation sensitivity,
Bacillus pumilus, spores, alcohols, paraffins, effects on 3090.

Radicals,
tyrosine residues, association ribonucleoside-diphosphate reductase activity, Escherichia coli,

Radioassays,
measuring techniques, productivity, heterotrophic bacteria 9522.
syphilis, liver pathology, man 3421.

Radiography,
Chlamydia trachomatis pneumonia, infants, man 11711.
diagnosis, arthritis, spondylodiscitis, man 5400.
diagnosis, lung tuberculosis, man 11713.
diagnosis, Mycoplasma pneumoniae, pneumonia, man 795.
legionnaire's disease, Legionella pneumophila, diagnosis, case reports, man 6189.
lung pathology, leptospirosis, man 3350.
lung tuberculosis, negative sputum smears, pathogenesis, man 4384.

Radioimmunoassay,
antibody response, serum levels, Salmonella typhi antigens, lipopolysaccharides, proteins, typhoid fever, man 1854.
detection, antigens, bacteria, cell walls, arthritis, rats 10138.
detection, bacteria, antigens 11553.
detection, immunoglobulin G, immunoglobulin A, lymphogranuloma venerum, Chlamydia trachomatis, man 10196.
detection, Legionnaires' disease, antigens, urine, man 3343.
detection, Leptospira interrogans ser.hardjo, antigens 11536.
detection, tuberculin antibodies, immunoglobulin G, man, tuberculosis 3154.
diagnosis, tuberculosis, man 4251.
Escherichia coli recA gene protein 11526.
immunodiagnosis, gonorrhea, man 11527.
Mycobacterium antibodies, tuberculin skin tests, BCG vaccination, BCG immunotherapy, cross-reaction antigens, effects on, man 8909.
Pseudomonas aeruginosa, elastase 11141.
Pseudomonas aeruginosa, proteinase, virulence, cystic fibrosis, man 11142.
solid phase methods, antibodies detection, Staphylococcus aureus infection, man 11583
solid phase methods, diagnosis, prostatitis, bacteria, man 8911.

Radioiodination,
membrane protein, Neisseria gonorrhoeae 7527.

Radioisotopes,
comparison, radioactive labelling, bacteria, reviews 8274.
nitrogen-15, use, nitrogen fixation assays 1171.

Radiology,
lung, legionnaire's disease, man 739.
lung, plague, case surveys, man 743.
pneumonia, Staphylococcus pneumoniae, gram-negative bacteria, Staphylococcus, gram-positive bacteria, man 7975.

Radiometry,
antibodies, Brucella abortus, hemolysis tests antigens, characterization 6029.
+blood culture subculture, bacteremia man, diagnosis 7141.
measuring techniques, Mycobacterium fatty acids metabolism 12715.

Radiometry, (continued)
  methodology, bacteriostasis parameters, antibiotics, bacteria 7377.
  Mycobacterium chelonei subsp.abscessus detection 4657.
Radioprotection,
  effects on microorganisms activity, space flight, reviews 5960.
Radioresistance,
  Bacillus cereus, Micrococcus radiodurans, Escherichia coli, Moraxella, Acinetobacter, beef sterilization 5146.
  bacteria, Micrococcus radiodurans, Nocardia, Candida parapsilosis, Bacillus pumilus, isolation, textiles 5978.
  Escherichia coli, U.V. radiation, factors affecting 8859.
  Escherichia coli, U.V. radiation, magnetic fields effects on 6851.
  Escherichia coli, Pseudomonas, sewage sludge extracts, effects on 4219.
  U.V. radiation, Bacillus sphaericus spores, association, protein A, protein B 6849.
Radiosensitivity,
  Bacillus megaterium spores, oxygen levels effects on 12447.
  Escherichia coli 1368.
  Escherichia coli, role, genes, nur gene, polA1 gene 1606.
  U.V. radiation, Escherichia coli, membranes fatty acid composition effects on 5631.
  U.V. radiation, Escherichia coli, mutants, sulA gene, sulB gene, lon gene 1619.
Radiosensitization,
  bromine effects on γ radiation lethal levels, Streptococcus faecalis 3103.
  Escherichia coli, Streptococcus lactis, 2-nitroimidazoles, membranes 4727.
  Pseudomonas radiora, factors affecting 6848.
  Streptococcus faecalis, use, anions 442.
  toxicity, misonidazole, m-AMSA, effects on, Escherichia coli 12950.
Radiotherapy,
  association, dental caries, Streptococcus mutans, cancer patients, man 724.
Raffinose,
  fermentation, Escherichia coli, relationship, antigen K88 8862.
Railroads,
  soil, oil biodegradation, fungi, bacteria 7424.
Rainfall,
  Kenya, effects on Coffee arabica blight, disease spread, Pseudomonas syringae, seasonal variations 9411.
Raman spectroscopy,
  carotenoids configurations, reaction centers, Rhodopseudomonas sphaeriodes 8470.
  cytochrome c, cytochrome b, heme interactions, Paracoccus denitrificans 10966.
  cytochrome cd1, heme environments, Pseudomonas aeruginosa, Paracoccus denitrificans 6610.
  Escherichia coli, factors affecting cells interaction 12442.
  ferredoxin, Clostridium pasteurianum 7537.
  ferredoxin I, ferredoxin II, Desulfovibrio gigas 3941.
  membrane potential, β-carotene, rhodopsin, reconstitution, vesicles, Halobacterium halobium 6546.
  methodology, Rhodopseudomonas sphaeroides, photosynthesis, carotenoids 12487.
  Pseudomonas aeruginosa cytochrome oxidase, heme 11157.
  rhodopsin, purple membranes, Halobacterium halobium 6547.
  ribonucleotide reductase, iron, centers, Escherichia coli 7569.
Rana pipiens,
  intestinal microflora, bacteria, fasting, cold, effects on 8084.
  large intestine bacteria, association, hibernation 8083.
Raphanus sativus,
  disease control, Trichoderma hamatum seed treatments 1200
  growth, rhizosphere bacteria effects on 1213.
  Klebsiella colonization, association, Klebsiella seed treatments 2440.
Rat-bite fever,
  Spirillum minor, association, meningoencephalitis, clinical aspects, man, case reports 4441.
Rates,
  cell division, association, Salmonella mutants, antibiotic resistance 10963.
  colonization, Actinomyces viscosus Streptococcus mutans interaction effects on, dental plaque, rats 11012.
Ratoon stunt,
  Saccharum officinale, incidence, India 1140.
Rattus,
  isolation, Salmonella 8095.
Rattus exulans,
  Rickettsia tsutsugamushi, infection, man, New Hebrides 1034.
Rattus norvegicus,
  Leptospira infection, epidemiology, New Zealand 3601.
  leptospirosis, Leptospira, strains, serological surveys, factors affecting, infection 13392.
  plague, Yersinia pestis, seroepidemiology 9233.
  Salmonella, occurrence, association enteritis, man, surveys, Kuwait 6211.
Rattus rattus,
  isolation, Leptospira rio sp.nov., Brazil 39.
  Leptospira infection, epidemiology, New Zealand 3601.
  leptospirosis, Leptospira, strains, serological surveys, factors affecting, infection 13392.
  plague, Yersinia pestis, seroepidemiology 9233.
  Rickettsia tsutsugamushi, infection, man, New Hebrides 1034.
Rauscher leukemia virus,
  +Acholeplasma laidlawii, mixed infection, mice, spleen lymphocytes activity 11622.
  leukemogenesis, stimulation, Mycoplasma arthritidis mixed infection, mice 13371.
  +Listeria, mixed infection, immunosuppression, erythroleukemia induction, mice 13372.
Reaction centers,
  bacteriochlorophylls triplet state fluorescence, Rhodopseudomonas sphaeroides, Rhodopseudomonas viridis 3870
  bacteriopheophytin c, spectroscopy, C.D., Chlorobium limicola 4779.
  carotenoids, configurations, Raman spectroscopy, Rhodopseudomonas sphaeriodes 8470.
  chromatophores membranes, proteins organization, cross-linking, Rhodospirillum rubrum 3921.
  electron transfer, dynamics, models, photosynthesis bacteria 8476.
  electrons acceptors, Prosthecochloris aestuarii 143.
  electrons transfer, lipid bilayers, Rhodopseudomonas sphaeroides 6559.
  fluorescence, electron transfer, bacteriochlorophylls, quinones, Rhodopseudomonas sphaeroides 6551.
  iron sites, X-ray absorption, photosynthetic apparatus, Rhodopseudomonas sphaeroides 6558.
  orientaton magnetic fields optical properties, chlorophyll b, Rhodopseudomonas viridis 8475.
Reaction centers, (continued)
  photosynthesis, N.M.R., bacteria 12481.
  photosynthesis, purification, crystallization, Rhodopseudomonas viridis 9725.
  photosynthesis, Rhodopseudomonas viridis, electron transfer 12491.
  polypeptides, Rhodopseudomonas sphaeroides, topography 1414.
  Prosthecochloris aestuarii, pigments, bacteriochlorophylls, spectrophotometry 7483.
  proteins, N-terminus amino acid sequence, purple membranes, Rhodopseudomonas sphaeroides 11123.
  quinones, bacteriochlorophylls orientation, chromatophores, E.S.R., Rhodopseudomonas sphaeroides, Chromatium vinosum 3879.
  Rhodopseudomonas sphaeroides, fine structure mapping, X-ray absorption 8478.
  Rhodopseudomonas sphaeroides, photosynthesis, E.S.R. 140.
  role, Chlorophyll a, electrons Acceptors, Prostecochloris aestuarii, E.S.R., spectroscopy 7489.
  rotation mobility, linear dichroism, chromatophores, Rhodospirillum rubrum 3880.
Reaction mechanisms,
  L-aspartate oxidase, quinolinic acid, oxaloacetate biosynthesis, Escherichia coli 5783.
  cytochrome c oxidase, Paracoccus dentrificans, heart, cattle 185.
  enterochelin synthetase, Escherichia coli 9786.
  3-hexulosephosphate synthase, methylotrophic bacteria 203.
  hydroxylamine oxidase, Nitrosomonas europaea 184.
  3,4,5-trimethexycinnamic acid derivatives, degradation, Pseudomonas putida, soil isolates, methanol, biosynthesis 1408.
  Vibrio cholerae toxins, reviews 480.
Reactivation,
  phage T7, Escherichia coli DNA repair deficient mutant 271.
Reagents,
  clinical microbiology, staining, tests, methodology 10873.
  quality control, cost-benefit analysis, Enterobacteriaceae identification 6465.
  Voges-Proskauer test, fumarate, gram-negative bacteria identification 10888.
Reagin screen test,
  syphilis diagnosis, man, Treponema pallidum antigens 8904.
Rearing,
  contaminants, diets, bacteria, fungi, Heliothis 1130.
RecA gene protein,
  affinity, DNA, proteolysis activity, cobalt effects on, Escherichia coli 11098.
  cleavage sites, phage λ, phage P22 repressors, Escherichia coli 9822.
  directed sister chromatid exchange, mechanisms, Escherichia coli 8671.
  DNA complex, characterization, electron microscopy, Escherichia coli 7498.
  DNA proteins interaction, reviews 7495.
  Escherichia coli, proteolysis phage λ repressors, monomers specificity 7683.
  Escherichia coli, purification 11122.
  Escherichia coli, purification, methodology 7378.
  Escherichia coli, radioimmunoassay 11526.
  induction, Escherichia coli, association, platinum(II) compounds 9694.
  mechanisms, recombination, Escherichia coli 9823.
  mechanisms, role ATP hydrolysis, Escherichia coli 8485.
  role, DNA repair, association, pyrimidines dimers, DNA binding protein, Escherichia coli 9673.
  role Escherichia coli DNA elongation 11102.
RecA gene proteins,
  Escherichia coli, amino acid sequence, cleavage, purification 3927.
  mechanisms DNA strands exchange, Escherichia coli 4107.
  proteolysis phage λ repressors, stimulation DNA-binding protein, Escherichia coli 5005.
RecBC gene protein,
  enzymes mechanisms, electron microscopy, Escherichia coli 7609.
Receptors,
  β-adrenergic, lung, Haemophilus influenzae infection effects on 13366.
  bacteria, structural proteins, characterization, reviews 9587.
  btuB gene, function, Escherichia coli nonsense mutant 12773.
  Citrobacter freundii phages, phage typing, Enterobacteriaceae 10919.
  cloacins, Enterobacter cloacae, Escherichia coli, role iron uptake 8368.
  Clostridium tetani toxins, mice, cerebellum, expression, localization 8932.
  Clostridium tetani toxins, neurons development, brain, mice 11498.
  complement, binding Salmonella typhi, leukocytes (polymorphonuclear), oral cavity, man 7940.
  Corynebacterium diphtheriae toxins, binding, role ATP 10083.
  cyclic AMP, binding sites, deo operon, Escherichia coli 12517.
  DNA, Bacillus subtilis membranes, localization 12324.
  enterobactin, purification, characterization, outer membranes, Escherichia coli 11120.
  enterotoxins, Vibrio cholerae, Escherichia coli, effects on adenylate cyclase 6863.
  Escherichia coli, lamB gene, attachment, phage λ, gene mapping 2888.
  Escherichia coli, lamB gene, role, phage λ, attachment 2887.
  Escherichia coli phage
  Fc, Brucella abortus, binding, EDTA immunoglobulin M, agglutination 7909.
  Fc. gram-positive bacteria, binding immunoglobulin G 11559.
  Fc, immunoglobulin G, incidence, streptococcus group A 8937.
  Fc, role, phagocytosis, Neisseria gonorrhoeae, macrophages 1876.
  Fc, Streptococcus group A, localization 12292.
  Fc, Streptococcus group A, rabbits immunoglobulin G Fab effects on 4270.
  ferrichrome iron complex, proteins isolation, antigenic characteristics, Escherichia coli outer membranes 11558.
  fibronectin, adherence mediation, streptococcus, oropharynx cells, man 9603.
  interaction, phages, lipopolysaccharides, Proteus mirabilis 7678.
  α-interferon, β-interferon, binding, γ-interferon, competition, Vibrio cholerae toxins 8886.
  iron, effects on, Enterobacter cloacae, aerobactin, enterochelin, biosynthesis 6494.
  Lactobacillus casei, antigenic determinants, phage PL-1 adsorption 12824.
  lectins, alveoli macrophages, Corynebacterium parvum activation effects on, guinea-pigs 9003.
  lectins, Escherichia coli pili, sugars specificity 8381.
  lectins like, leukocytes, macrophages, binding, Staphylococcus aureus 4295.
  leukocytes, characterization, Staphylococcus leukocidin 10074.
  lymphocytes T proliferation, Clostridium tetani toxoids antigenic determinants 7950.
  Malus agglutinins, Erwinia amylovora cell walls, characterization 4944.
  mammalian cells, binding Mycoplasma pulmonis cell surface glycoproteins, role virulence 10169.
  membranes, binding, enterotoxins, Escherichia coli, Vibrio cholerae, cell lines,

Receptors, (continued)
mice 11499.
membranes, Escherichia coli, phage T5, attachment, kinetics, Triton X-100, effects on 1660
Myxococcus xanthus, hemagglutinins binding 3827
Neisseria gonorrhoeae, erythrocytes, man, detection, concanavalin A, lectins, effects on 1359.
opiates, role, endotoxin shock, Escherichia coli, animal models, dogs 6873
phage λ, Escherichia coli, lamB gene protein, structure-activity relationships, sugars transport 8527
phage λ, gene lamB proteins, structure, Escherichia coli cell membranes 8535
phage λ, lamB gene protein, subunit structure, outer membranes, Escherichia coli 8524
phage λ, LamB gene proteins, topography, outer membranes, Escherichia coli 8526
phage λ, proteins, characterization, Escherichia coli cell surface 1636.
phage Dp-1, Streptococcus pneumoniae, association, choline 12304.
phage T4, mutants, lipopolysaccharides, association, galactose residues, Escherichia coli 9845
phage 2, maltose-binding protein, interaction, Escherichia coli 5008.
phages, Salmonella typhimurium, proteins precursors function 2745.
proteins, cyclic AMP, cyclic AMP binding effects on structure, N.M.R., Escherichia coli 4839
proteins, phage T5, fhuA gene, antigen O effects on, Escherichia coli 2901.
psychrophilic bacteria, role, amino acids uptake 5630
sites, lectins, Rhizobium japonicum, cell walls, localization 7416
sites, tail fibers, phage T4D, Escherichia coli, characterization 7675
Vibrio cholerae enterotoxins, Peyer's patches epithelium, guinea-pigs 12979
Recipients,
kidney transplantation, Nocardia asteroides, infection, incidence, treatment, man 797
Reclaimed land,
shales, soil properties, nitrogen fixation, enzymatic activity, soil microorganisms 3692
Reclassification,
Archebacteria, taxonomy, Thermoproteus tenax 7398
Bacterionema matruchotii, Corynebacterium matruchotii comb.nov. 12250.
Bacteroides hypermegas, Megamonas hypermegas gen.nov. comb.nov. 12252.
Recognition,
codons, tRNA suppressors, frameshift mutants, Salmonella 2883.
endodeoxyribonuclease Eco RI, DNA, nucleotide sequence, Escherichia coli 2704.
Recolonization,
soil microorganisms, succession, fires, Pinus kesiya, forests 10802
Recombinants,
DNA, Escherichia coli, mutants, detergents sensitivity 3080
DNA, phage λ, prophages, gene expression, genetic control, Escherichia coli 2892
Nocardia mediterranei, ansamycins, 3-hydroxyrifamycin S, biosynthesis, structure, spectroscopy 2981.
Nocardia mediterranei, rifamycins, biosynthesis, structure 2980
plasmid pCS194, Bacillus subtilis, maintenance, transformation, Escherichia coli, restriction-modification, gene mapping 2924.
plasmids, U.V. radiation sensitivity, DNA repair, Escherichia coli 2933
plasmids, association, promoters, phage T7, RNA polymerase, transcription, DNA, genetic engineering 5036.
plasmids, Escherichia coli, DNA transformation, isolation 1669
plasmids, Escherichia coli, enterotoxins, toxoids, vaccines, gene mapping 2939.
plasmids, Escherichia coli, rrnB operon, gene mapping, nucleotide sequence 2850.
plasmids, plasmid pKO101, antibiotic resistance, sulfanilamide, Bacillus subtilis 5873.
SV40+pBR322 plasmid, Escherichia coli gpt gene replication, mammalian cells 8676.
Reconstitution,
adenosinetriphosphatase, Escherichia coli 6651.
cytochromes, ATP, role, membranes, mutants Escherichia coli 7485.
glutamine transport, vesicles, Escherichia coli 5616.
glycerolphosphate acyltransferase, cytoplasmic membranes, Escherichia coli 4874.
D-lactate dehydrogenase, membrane vesicles, Escherichia coli 4730.
membrane vesicles, D-amino acid dehydrogenase, Escherichia coli 3808.
membranes, lipids, proteins interaction, Micrococcus luteus 5809
models membranes, photoelectric properties, bacteriorhodopsin, Halobacterium halobium 7479.
phospholipase C, erythrocytes ghosts, anions inhibition, Bacillus cereus 11163.
Pseudomonas arvilla, NADH dehydrogenase, iron-sulfur centers, activity 6648.
pyruvate dehydrogenase, multienzyme complexes, Bacillus stearothermophilus 11188.
ribosomal subunit 50S assembly, Escherichia coli 11065.
ribosomes, fluorescence labelling ribosomal protein L7/L12, ribosomal protein L10, Escherichia coli 7516.
urease purple membranes vesicles, Halobacterium halobium, temperature effects on 6623.
Recovery,
cholera, diarrhea, association, nitrogen balance, children 826.
enumeration, media comparison, Clostridium sporogenes spores 6463.
thermal injury, Bacillus subtilis spores, amino acids enhancement 5615.
Recovery of function,
bacteria, thermal injury 9655
Recreation sites,
coastal waters, isolation, Vibrio parahaemolyticus, Vibrio alginolyticus, indicator species 9492.
lakes, littoral zone, contamination, Clostridium perfringens spores 13511.
lakes, microorganisms incidence, indicator species 9486.
microbial pollution, relationship gastroenteritis, man 11761.
Rectum,
actinomycosis, case reports, man, Actinomyces israelii 810.
bacteria, aggregation, man 3266.
+colon surgery, postoperative infection, prophylaxis, metronidazole, man 5406.
fistulae, anaerobic microorganisms, relationship, meningitis, man, case reports 13223.
intestinal microflora, Enterobacteriaceae, cotrimoxazole, prophylaxis, neutropenia, man 1923.
pathology, enteritis, Campylobacter fetus subsp.jejuni, man 9141.
postoperative infection, bacteremia, surgery, man 839.
samples, Enterobacteriaceae, drug resistance, lysogeny, colicinogeny, man, domestic animals 453.
Streptococcus group B carriers, incidence, relationship, menstrual cycle, contraceptives, Neisseria gonorrhoeae infection, man 829.
surgery, association, postoperative infection, sepsis, prophylaxis, antibiotics,
Rectum, (continued)
man 3365.
Recurrent infection,
antibiotics pseudomembranous colitis, Clostridium difficile, man, case reports 2027.
bacteria, children, +immunoglobulin A immunodeficiency, effects on leukocytes (neutrophilic) chemotaxis 10631.
bacteria, immune response, leukocytes (polymorphonuclear), monocytes, clinical aspects, infants, man 6069
bacteria meningitis, pathology, case reports, face, children 11843.
Campylobacter jejuni, association diarrhea, man 7989.
dental caries, association, oral hygiene, dental manipulation, man 1953.
Escherichia coli, bacteremia, man, case reports 7107.
Haemophilus influenzae, association, outer membranes proteins, man 11999.
Haemophilus influenzae type b, treatment, infants, man 3547.
Legionnaire's disease, serum diagnosis, man, case reports 2009.
meningitis, Streptococcus group B, infants, man 10422.
Neisseria meningitidis, association, immunodeficiency, immunoglobulin A, complement C8, man, case reports 3405.
Neisseria meningitidis meningitis, association, complement C6 immunodeficiency, man, case reports 906.
otitis, Streptococcus pneumoniae, immunity, antibiotics effects on, animal models 787.
pneumonia, chemotaxis deficiency, monocytes, leukocytes (neutrophilic), man 8956.
prophylaxis, toxic shock syndrome, use, antibiotics, man, USA 11490.
respiratory tract infection, complement deficiency, man, case reports 560.
Staphylococcus aureus, immunodeficiency, leukocytes (neutrophilic) phagocytosis, man 10207.
Staphylococcus, chronic granulomatous disease, association, muscular dystrophy, children, case reports 10469
Staphylococcus, glycogenesis type Ib, association, leukocytes (neutrophilic) migration, adherence, man, case reports 600.
Staphylococcus group B, penicillin antibiotic resistance, infants, man, case reports 10561.
tonsillitis, isolation, anaerobic bacteria, aerobic bacteria, children 1989.
urinary tract, bacteria, complications, pivmecillinam treatment, man 11820.
urinary tract, Escherichia coli, adherence, epithelium, man 11824.
urinary tract infection, treatment, povidone-iodine ointments, man 876.
Red sore disease,
Aeromonas hydrophila, agglutinin immune response, seasonal variations, Micropterus salmoides 6895.
Redmouth,
fish, isolation, Yersinia ruckeri, antigenic characteristics 10152.
Redox properties,
bacteriochlorophylls, chromatophores, Rhodospirillum rubrum, Rhodopseudomonas sphaeroides, Chromatium minutissimum 4790.
cytochrome c, Chlorobium thiosulfatophilum 12473.
cytochrome c553, E.S.R., polarography, Desulfovibrio vulgaris 11112.
iron-sulfur proteins, Chromatium vinosum 4847.
Reductase,
mercury, Thiobacillus ferrooxidans, activity, comparison, Escherichia coli 12615.
Reduction,
acetylene, nitrogenase, Rhizobium, Glycine max 5518.
bacteria cytochrome P-450, association, carbon monoxide, proteins conformation role 12495.
iron, Pseudomonas, factors affecting 12406.
iron, Pseudomonas, oil, nitrate, effects on 6524.
nitrate, nitrogen sources, growth, Rhodopseudomonas capsulata, Rhodopseudomonas sphaeroides, Ectothiorhodospira mobilis 12410.
nitric oxide, Paracoccus denitrificans, association, protons translocation, proline uptake 12425.
1-nitropyrene, effects on, Salmonella typhimurium, DNA adducts, formation 1436.
nitrous oxide, measurement, electrochemistry, electron transport, Paracoccus denitrificans 8477.
oxidation, azurin, cytochrome c_{551}, Pseudomonas aeruginosa electron transport, pH effects 1417.
thionite, thiosulfite, sulfite, Clostridium pasteurianum 113.
thioredoxin, role, ferredoxin, Clostridium pasteurianum 144.
trimethylamine N-oxide, Escherichia coli growth, fish muscles extracts 4757.
trimethylamine oxide, growth, assays, bacteria, conductance methodology 9526.
Redwater,
cattle, Clostridium hemolyticum vaccination, immune response 628.
Reefs,
bacterioplankton, energy flow, detritus, marine environment, South Africa 2485.
Reflexes,
respiratory systems, leprosy, effects on, man 1946.
Reflux,
role urinary tract infection, children 11822.
Regeneration,
Clostridium acetobutylicum protoplasts, culture 5564.
epithelium, Escherichia coli, mastitis, mammary gland, ultrastructure, experimental infection, cattle 2365.
Regression,
tumors, endotoxins activity, association, Salmonella typhimurium glycolipids structure 11239.
Regression analysis,
cefoperazone, antibiotic sensitivity testing 9956.
Regulation,
actinomycin D biosynthesis, association, tryptophan 2,3-dioxygenase, Streptomyces parvullus 9920.
Alcaligenes eutrophus, valeramidase, formamidase, metabolism, carbon sources 1553.
amino acids biosynthesis, Brevibacterium flavum 4832.
anthranilate synthase, Escherichia coli, levels, limiting factors, glucose, chemostat culture, batch culture 1529.
aspartate kinase, Escherichia coli 4041.
Bacillus subtilis, mutants, sporulation, transcription, RNA biosynthesis, genes 2874.
biosynthesis, pyrimidines, orginine, kinetics, Salmonella typhimurium, mutants 1539
enzymes, membranes phospholipids, Mycobacterium smegmatis 9806.
Escherichia coli, coenzyme A, biosynthesis, role, pantothenate kinase 2810.
Escherichia coli, fatty acids, degradation, transcription, genetic analysis 2836.
Escherichia coli, temperature-sensitive mutant, adenylate cyclase, expression, termination factor rho 2709.
Escherichia coli, uhp-lac operon, transport glucose-6-phosphate, induction 1616.

Regulation, (continued)
  Escherichia coli, uvrB gene, promoters, nucleotide sequence 2858.
  fatty acid composition, Clostridium perfringens type A 225.
  fatty acid composition, Escherichia coli, ethanol, temperature, chaotropic agents, effects on 5808.
  gene expression, translation mRNA, association, phage T7 mutants 5011.
  genes, promoters, Bacillus subtilis, transcription, nucleotide sequence 1584.
  glutamine synthetase adenylation, permeabilized Escherichia coli 4052.
  glutamine synthetase enzymatic activity, Rhodopseudomonas sphaeroides, in vivo 1537.
  glutamine synthetase, inhibition kinetics, Bacillus caldolyticus 4019.
  inorganic pyrophosphatase, Streptococcus faecalis, enzymatic activity, batch culture 2754.
  Klebsiella aerogenes+asparagine synthetase isoenzymes 12629.
  malT gene, Escherichia coli, role, catabolite activator protein 8679.
  nitrate reduction, Paracoccus denitrificans, role, oxygen 4778.
  6-phosphofructokinase activity, Escherichia coli 4003.
  F plasmid, replication, initiation, relationship, ColE1 plasmid 1682.
  potassium transport, efflux, Escherichia coli 3882.
  Pseudomonas aeruginosa carbamate kinase 12679.
  Pseudomonas putida 4-hydroxyphenylacetate degradation 235.
  purE gene transcription, Escherichia coli 5815.
  purines, pyrimidines, Streptomyces adephospholyticus nucleoside 5'-diphosphate-3'-diphosphates, nucleoside 5'-triphosphate-3'-diphosphates, protein biosynthesis 5718.
  Rhodopseudomonas palustris glutamine synthetase 207.
  ribosomes, Escherichia coli, biosynthesis, gene expression, growth rate, dependence 1446.
  Salmonella typhimurium, ilv gene, gene mapping, cloning 1623.
  sporulation, biosynthesis, streptomycin, Streptomyces griseus, mutants 1697.
  Streptococcus pyogenes exotoxins 461.
  Streptomyces griseus, leukemomycin, biosynthesis, NAD(P)$^+$ nucleosidase 2960.
  sulfate, transport, Pseudomonas halodurans, Alteromonas luteo-violaceus 1334.
  Thiobacillus thioparus, active transport, amino acids, kinetics 2605.
  thymine, uracil, catabolism, Escherichia coli 234.
  transcription, Escherichia coli ribosomal proteins genes amber mutant 4982.
  transport, β-ketoadipate, chemotaxis, Pseudomonas putida, mutants 1353.
  transport proteins biosynthesis, Escherichia coli, genetic analysis 5730.
Rehydration,
  fluids, bacteria Shigella, Campylobacter, diarrhea, treatment, diarrhea 10363.
Reiter's disease,
  association, Chlamydia trachomatis genital tract infection, man 914.
  association, enteritis, Campylobacter fetus subsp.jejuni, pathology, treatment, man, case reports 824.
  association, pseudotuberculosis+histocompatibility antigen HLA, B27 determinant, Yersinia enterocolitica, case reports, man 7159.
  bacteria, etiology, physiopathology, factors affecting, man 11949.
  case reports, children, etiology, Yersinia enterocolitica infection, arthritis 5358.
  Chlamydia, keratitis association, pathology, man 10443.
  man, association, shigellosis, epidemiology 11807.
Relative humidity,
  effects on, Bacillus stearothermophilus spores, sterilization indicators 9527.
  effects on, pathogenesis, Xanthomonas campestris pv.vesicatoria, scab, Piper nigrum 12096.
  effects on soil microorganisms, respiration 12129.
  Pseudomonas lachrymans, seeds, Cucumis sativus, effects on 9393.
Release,
  hemolysins, coagulase, Staphylococcus aureus, inoculum size, time, effects on 2781.
  5'-nucleotidase, Escherichia coli, osmotic shock, characterization 1499.
  phages, Acholeplasma laidlawii, induction, mitomycin C 4989.
Release factors,
  purification, characterization, effects on translation, ribosomes, Escherichia coli 3916.
Removal,
  coal sulfur, methodology, Thiobacillus ferrooxidans 9649.
Renal failure,
  association, bacteria septicemia, incidence, man 12023.
  association, legionnaire's disease, diagnosis, treatment, man, case reports 798.
  association, leptospirosis, clinical aspects, diagnosis, treatment, man 2315.
  association, Staphylococcus aureus infection 6948.
  association, urinary tract infection, treatment, cefuroxime, man 861.
  cefoperazone treatment, man 10601.
  complications, paroxysmal nocturnal hemoglobulinuria, man 3552.
  man, role, urinary tract infection, bacteria 10384.
  presentation, Staphylococcus, toxic shock syndrome, treatment, man 4527.
  Salmonella abortus endotoxins, rats 8890.
Renal function,
  association, urinary tract infection, pathology, children 10415.
Renal insufficiency,
  association, jaundice, effects on, endotoxins, absorption, intestine, man 3149.
  association, tuberculosis, dialysis, man 9277.
  bacteria infection antibiotics pharmacokinetics, man 12004
Renaturation,
  tryptophan synthase β-subunit, kinetics, Escherichia coli 7590.
Renibacterium salmoninarum,
  kidney infection, carriers, incidence, Salmo salar, Canada 3598.
Repair,
  Escherichia coli mechanisms, acridine+U.V. radiation effects on 5982.
  mechanisms, photoinduction damage, Escherichia coli acriflavin sensitivity, liquid culture effects on 7866.
Repellents,
  Escherichia coli, chemotaxis, assays, methodology 10942.
Replacement,
  heart valves, antibiotics sterilization, prophylaxis, graft-versus-host reaction, man 1006
Replant disease,
  Malus pumila, soil microorganisms, Pratylenchus penetrans, role 12103.
Replication,
  association, Escherichia coli, RNA polymerase, recombination, phage T4 9860.
  Bacillus subtilis, plasmid pE194, plasmid pUB110, antibiotic resistance, electron microscopy 2908.
  Chlamydia psittaci, mice fibroblasts persistent infection, effects on 23.
  chromosomes, association, sporulation, Bacillus subtilis 1394.
  chromosomes, cell walls, growth, coupling, gram-positive bacteria 1345.

Replication, (continued)
  chromosomes, termination, association, gene localization, Escherichia coli periplasmic space proteins 12793.
  ColE1 mutants 278.
  DNA, deoxyribonuclease, initiation, Bacillus subtilis 12518.
  DNA, deoxyribonucleotides concentration relationship, phage T4, Escherichia coli infection 11048.
  DNA, Escherichia coli, amino acid starvation effects on cell size 12428.
  DNA, Escherichia coli, interaction, phage Mu, transduction 2885.
  DNA, origin, nucleotide sequence, plasmid pT181 11308.
  DNA, phage T7, plasmid pBR322 4990.
  DNA, specificity, DNA repair, mutation, kinetics, Escherichia coli 11049.
  DNA, superhelical, Escherichia coli, enzymes, effects on, phage ΦX174 11292.
  DNA, suppressors, nucleotide sequence, Bacillus subtilis 11050.
  double-stranded DNA initiation sequence, plasmid ColE1 7690.
  Escherichia coli chromosomes, relationship, growth rate 3842.
  Escherichia coli, DNA, configurations, phage Mu 8718.
  Escherichia coli, genes, R factor RP4, gene mapping 9865.
  Escherichia coli gpt gene, mammalian cells, SV40+pBR322 plasmid recombinants 8676.
  Escherichia coli, initiation proteins, purification, characterization 9717.
  Escherichia coli phage T7, gene groM gene products effects on 4123.
  Escherichia coli, plasmid pPJ3b, transposon Tn2301, inversion, insertion, phage λ 2943.
  R factor Rms201, temperature-sensitive mutant 9879.
  R factor RSF1010 DNA, Escherichia coli, Pseudomonas aeruginosa cell-free system 9905
  R factor R1, plasmids, regulation, copA gene, copB gene 1689.
  F factors 284.
  fidelity, role DNA polymerase I, Escherichia coli 4800.
  gene expression, Podospora anserina, Escherichia coli pBR322 plasmid transfer 12834.
  gene mapping, genomes, Mycobacterium phlei 8686.
  genomes, mutants, Escherichia coli 6698.
  IncJ plasmid, plasmid R391, integration, conjugation, Escherichia coli 5894.
  origin, cloning, structure-activity relationships, genomes, Escherichia coli 8700.
  origin, DNA, isolation, nucleotide sequence, Erwinia carotovora 5698.
  origin incorporation, plasmid pED806, F factors, restriction endonuclease mapping, instability, cloning 11316.
  origin regions, secondary structure, computer programs, Escherichia coli, Salmonella typhimurium 4835.
  origin, yeasts single-stranded closed-circular DNA, recognition Escherichia coli cell-free system 7494.
  phage λ, thymidine effects on, Escherichia coli 1663.
  phage SPO1, development, role, DNA-unwinding protein, Bacillus subtilis 2899.
  phages, inhibition, plasmids, reviews 2944.
  F plasmid, Escherichia coli, cell cycle, effects on 2931.
  plasmid pAL2, kinetics, comparison Escherichia coli 6740.
  plasmid pT181 DNA, cell-free system, Staphylococcus aureus 5869.
  plasmid R1, genes, genetic analysis 11321.
  plasmids, regulation, initiation, relationship, ColE1 plasmid 1682.
  plasmids, Staphylococcus aureus, Bacillus subtilis, Bacillus, transfer, expression 1671.
  Pseudomonas phaseolicola, Phaseolus vulgaris, cultivars, genotypes, effects on 2412.
  replicons, R factor R1 9887.
  RNA linkage DNA role, Bacillus subtilis 5721.
  RP4 plasmid, role, DNA primase, purification, characterization 2948.
  Salmonella typhimurium ovoid form, mecillinam induction 1404.
  Salmonella typhimurium, R factors, antibiotic resistance, cotrimoxazole drug resistance 7874.
  sites, DNA, plasmid pBR322, plasmids 2904.
  Spiroplasma citri, relationship, morphology, cultural characteristics effects on, electron microscopy 74.
  Staphylococcus aureus, plasmid pE194, nucleotide sequence, gene mapping, antibiotic resistance 6744.
  staphylococcus, plasmids, plasmid pSA5700, erythromycin, antibiotic resistance, Streptococcus pneumoniae, Escherichia coli 8739.
  SV40, plasmid pBR322 nucleotide sequence effects on 7695.
  termini, Escherichia coli, gene mapping 5836
  termini, restriction endonuclease mapping, Escherichia coli 5828.
Replication forks,
  unwinding, helicase II, stimulation DNA biosynthesis, Escherichia coli 11057.
Replicons,
  incompatibility, R factors R1 9877.
  plasmids, recombination, maintenance, dimers, effects on 1681.
  replication, R factor R1 9887.
  Streptomyces ambofaciens, spiramycin biosynthesis, plasmid pSA1 regulation 11330.
  transposon Tn3, role phage λ transduction R factors 8716.
Repliscan II,
  , identification , Enterobacteriaceae 4699.
Repression,
  amidase, association, tricarboxylic acid intermediates, Proteus rettgeri, comparison, Escherichia coli 12658
  gua operon, GMP, Escherichia coli, mutants 1590.
Repressors,
  galactose repressor, recognition double-stranded DNA, role tertiary structure, comparison catabolite activator protein tertiary structure, Escherichia coli 8512.
  lac repressor, fragments, unfolding, calorimetry, Escherichia coli 4912.
  lac repressor, X-ray scattering, Escherichia coli 8483.
  lac-repressor, spin-labelling, N.M.R., Escherichia coli 4816.
  lactose repressor, amino acid sequence, DNA-binding protein comparison, Escherichia coli 9713.
  lactose repressor, inducers binding, N.M.R., Escherichia coli 4097.
  lactose repressor lactose operator complex, structure, electric dichroism, Escherichia coli 8680.
  lactose repressor, recognition double-stranded DNA, role tertiary structure, comparison catabolite activator protein tertiary structure, Escherichia coli 8512.
  lactose repressor, tetranitromethane chemical modification effects on DNA binding activity, Escherichia coli 9702.
  lactose repressors, thermal stability, relationship DNA binding, C.D., Escherichia coli 8663.
  lexA gene gene products, purification, binding DNA, Escherichia coli 4842.

Repressors, (continued)
phage λ, monomers specificity recA gene protein proteolysis, Escherichia coli 7683.
phage λ, proteolysis recA gene proteins, stimulation DNA-binding protein, Escherichia coli 5005
regulation tryptophan operon, Escherichia coli 7645.
Tet repressor binding tet operator DNA, transposon Tn10 7659
TET repressor, +tet operator complex, thermal stability 12778
transposon Tn3, role plasmids recombination, DNA nucleotide sequence restriction endonuclease mapping 7685
tryptophan, gene expression role, Escherichia coli trpR gene 11290.
Reproduction,
cattle, Brucella, vaccination, Ivory Coast, effects on 1912.
cattle, streptotrichosis, Dermatophilus congolensis, effects on 2367
Reproductive organs,
menstrual cycle, fertility, menopause, man, leprosy, effects on 2087
microflora, bacteria, incidence, cattle 12043.
Reproductive status,
Setonix brachyurus, effects on microflora 12032
Reproductive systems,
Pasteurella haemolytica, incidence, cattle 4536
Research programs,
nitrogen cycle, terrestrial ecosystems, primary production 9438
Reservoirs,
Brazil, nitrogen-fixing bacteria, seasonal variations, distribution 5548
cellulolytic bacteria, enumeration, media (culture) 10861
water quality, coliforms, Escherichia coli, levels 1242.
Residues,
carbohydrates, plants, microorganisms, comparison, soil types 10788.
galactose, association, lipopolysaccharides, receptors, phage T4, mutants, Escherichia coli 9845
histidine, elongation factor Tu complex GTP, Escherichia coli 1472.
lysine, initiation factor 3, structure-activity relationships, Escherichia coli 9676
tryptophan, incidence, flagellin amino acid composition, Rhizobium meliloti 11109
Resins,
effects on, gram-negative bacteria, gram-positive bacteria, Picea 1769.
Resistant mutant,
antibiotics, Rhizobium, streptomycin, erythromycin, isolation, characterization 6820
arginine, bacteria 4833.
Bacillus subtilis, oxolinic acid, characterization, gene mapping 12808.
Brevibacterium flavum, azaserine, L-tryptophan biosynthesis 12566.
chlorate, Rhizobium japonicum, nitrate reductase, molybdate, effects on 1542.
Escherichia coli, fatty acids antibacterial activity, role, membranes lipopolysaccharides 5147
leucine, Escherichia coli, acetohydroxy acid synthase, leucine toxicity 5757.
Methanosarcina, media (isolation), use, 2-bromoethanesulfonate 9504.
rifampicin, development, Haemophilus influenzae 5953
Salmonella typhimurium, catabolite repression, phosphoenolpyruvate-fructose phosphotransferase characterization 8698
Staphylococcus aureus, gentamicin, incidence, nosocomial environments, plasmids, characterization 6830
succinic acid, Rhizobium leguminosarum, metabolism, characterization 5648
thiolutin, Salmonella typhimurium, isolation, characterization 11432.
tiamulin, biochemical analysis, genetic analysis, Escherichia coli 12934
tungsten, association, nitrogen fixation, Azotobacter vinelandii 12729.
Resorption,
bone, gram-positive bacteria, noma, man 9223.
Respiration,
Bacillus subtilis, variation, cell cycle, synchronous culture, centrifugation 2680
bacteria, urea hydrolysis, effects of soil moisture, Pinus banksiana 5513.
Campylobacter fetus subsp.jejuni, association, hydrogen atmosphere 12451.
correlation protons transport, nitrite, oxygen reduction, Paracoccus denitrificans 6552.
dogs, pneumonia, plasma levels effects on 9095.
effects on, sulfur, aluminum sulfate, ferrous sulfate, soil microorganisms, soil amendment 7329.
energy, prokaryotes 2682.
Escherichia coli, association, cytochrome o bioaccumulation 1425
Escherichia coli, polA1 gene, tif-1 gene, mutants, U.V. radiation effects on 263
gases, rats, pentane production, role intestinal microflora 13364.
Glycine max, hydrogen uptake positive Rhizobium japonicum effects on 1181.
Glycine max, Pisum sativum, roots, nodulation 3687.
glycocholate, radioactive labelling, diagnosis diarrhea, man 11790.
Klebsiella, cyanide sensitivity 7481.
membrane potential, measurement, methodology, Rhodopseudomonas capsulata 2685.
Mycobacterium tuberculosis, measurements 11028.
nitrate, Paracoccus denitrificans, oxygen effects on 4780.
Polymyxa palustris, role, bacteria, symbiosis, evolution, mitochondria 3677.
Propionibacterium, strains, catalase, peroxidase, superoxide dismutase, activity 12666
protonmotive force regulation, chromatophores, Rhodopseudomonas capsulata 12471.
Pseudomonas aeruginosa, cyanide resistance, spheroplasts, membrane potential 12492
Pseudomonas solanacearum, tannins soil amendment effects on 13503.
relationship plankton size distribution 1239.
roots, Triticum, nitrogen sources, potassium, nutrition, aeration, effects on 3706.
roots, Triticum, nutrient deficiencies, effects on 3705.
soil microorganisms, ethylene biosynthesis, measuring techniques 8173.
soil microorganisms, relative humidity, temperature effects on 12129.
soil microorganisms, temperature effects on 13466.
tissues, rabbits trachea organ culture, Bacteroides fragilis 7466.
Respirators,
association, pneumonia, nosocomial infection, gram-negative bacteria, incidence, etiology, man 11701.
Respiratory,
bacteria infection, spiramycin treatment, man 10314.
Respiratory distress syndrome,
association, Legionnaire's disease, man, case reports 11721.
association, tuberculosis, diagnosis, treatment, man, case reports 1976.
association tuberculosis, man 13138.
presentation, Chromobacterium, septicemia, man, case reports 2310.
Respiratory function,
Escherichia coli, mutants, streptomycin uptake, ubi F gene, role, characterization 5844.
Fusobacterium necrophorum, septicemia, man, case reports 10463.
Respiratory syncytial virus,
respiratory tract infection, children, interuction streptococcus group A 11744.
vaccination, antibody response, infection prophylaxis, cattle, juveniles 4350.
Respiratory systems,
reflexes, leprosy, effects on, man 1946.
Respiratory tract,
Actinomyces israelii, infection, diagnosis, man 4440.
bacteria, antibacterial activity, β-lactam antibiotics, erythromycin, man 805.
bacteria isolation, swabs, media (transport), man 10858.
Bacteroides, infection, incidence, man 4400.
carcinoma, association, lung tuberculosis, diagnosis, man 11703.
chickens, experimental infection, Mycoplasma gallisepticum, association lesions 6340.
ciliary movement, Bordetella bronchiseptica effects on, animal models 3345.
culture, Enterobacteriaceae, identification, API test, Micro-ID test 4693.
epithelium, Mycoplasma adherence, models, Mycoplasma adherence erythrocytes 9601.
Haemophilus influenzae isolates, erythromycin antibacterial activity 3031.
Haemophilus isolates, characterization, indole test, man 3797.
infection, bacteria, association, neutropenia, leukemia, man 6156.
infection, bacteria, etiology, diagnosis, man 751.
infection, bacteria, treatment, cefotiam, children 3339.
infection, bacteria, treatment, cotrimoxazole, comparison, bracen, children 9113.
infection, correlation, pertussis, children, British Isles 790.
infection, Mycoplasma pneumoniae, association, Stevens-Johnson syndrome, children, case reports 10313.
infection, treatment, cefmetazole, infants, man 985.
infection, treatment, cefuroxime, children 3325.
isolates, Bramhamella catarrhalis, Neisseria, isolation, media (selective), vancomycin+trimethoprim 3753.
legionnaire's disease, diagnosis, indirect fluorescent antibody test, man 13150.
microflora, isolation, identification, chickens 7225.
microflora, role bronchitis, man, cigarette smoking effects on 6143.
mixed infection, Staphylococcus aureus, viruses, man 7004.
Mycoplasma bovirhinis, Mycoplasma agalactiae subsp.bovis, Ureaplasma, Mycoplasma dispar, isolates, tiamulin antibacterial activity 5098.
postoperative infection, association, gastrointestinal tract gram-negative bacilli, man 13149.
secretions, man, Streptococcus pneumoniae isolation methodology, association, antibiotics 10860
secretions, man, utilization, cystic fibrosis clinical isolates, Pseudomonas aeruginosa, growth 9664.
Respiratory tract diseases,
association, immunocompromised hosts, man 10174.
bacteria, candidiasis, treatment, flucloxacillin, children 3315.
Bordetella bronchiseptica, isolates, antibacterial agents, susceptibility, cats, dogs 7870.
lung tuberculosis, Mycobacterium, man, India 784.
Pasteurella, incidence, clinical aspects, cattle, juveniles 4555.
Pasteurella, viruses, incidence, cattle, juveniles 4585.
turkeys, Alcaligenes faecalis etiology 1082.
Respiratory tract infection,
Actinomycetes, man, case reports 11749.
Alcaligenes faecalis± infectious bursitis virus, pathology, turkeys 10720.
anaerobic bacteria, clinical aspects, man 11707.
anaerobic bacteria, diagnosis, treatment, children 6978.
anaerobic bacteria, man 13156.
anaerobic bacteria, tinidazole treatment, man 11709.
antibacterial agents treatment, prognosis, man 11718.
antibiotic sensitivity testing, methodology, bacteria 11376.
antibiotics treatment, man 13157.
association, bacteria adherence, man, animal models 10319.
association, lung ventilation, diagnosis, antibody response, infants 780.
azidocillin treatment, children 13142.
bacampicillin treatment, clinical trials, man 13123.
bacampicillin treatment, man 13126.
bacampicillin treatment, man, clinical trials 10317.
bacteria, antibiotics treatment, man 10355.
bacteria, augmentin treatment, man 11731.
bacteria, children 9124.
bacteria, diagnosis, children 11741.
bacteria, diagnosis, clinical aspects, man 10348.
bacteria, effects on lymphocytes T, lymphocytes B, subpopulations, blood levels, association, atopy, children 10179.
bacteria, factors affecting morbidity, children, Canada 10326.
bacteria, josamycin, treatment, neonates, man 10310.
bacteria, sisomicin treatment, man 10351.
bacteria, treatment, amoxicillin+bromhexin, adults, man 3348.
bacteria, treatment, amoxicillin+bromhexin, children 3349.
bacteria, treatment, ampicillin, comparison, bracen, children 9111.
bacteria, treatment, antibiotic 6059-S, children 2016.
bacteria, treatment, cefaclor, cephalexin, man 4382.
bacteria, treatment, cefaclor, cephalexin, man 4420.
bacteria, treatment, cefadroxil, side effects, children, man 4404.
bacteria, treatment, cefadroxil, side effects, children, man 4407.
bacteria, treatment, cefoxitin, side effects, man 4403.
bacteria, treatment, ceftazidime, man 5300.
bacteria, treatment, ceftazidime, man 5301.
bacteria, treatment, ceftazidime, man 5302.
bacteria, treatment, ceftriaxone, man 8047.
bacteria, treatment, erythromycin, comparison, cotrimoxazole, amoxicillin, children 11733.
bacteria, treatment, penicillin, comparison, bracen, children 9115.
bacteria, treatment, sulfonamides, man 3328.
cefoperazone treatment, man 10349.
cefotaxime treatment, man 6176.
ceftezole treatment, man 10325.
cefuroxime treatment, man 9096.
chickens, Alcaligenes faecalis 1106.
children, effects on, lung function 5313.
children, streptococcus group A, interuction, influenza A virus, respiratory syncytial virus 11744.

- **Respiratory tract infection, (continued)**
  - Chlamydia trachomatis, Chlamydia psittaci, Mycoplasma pneumoniae, diagnosis, indirect fluorescent antibody test, man 10153.
  - Chlamydia trachomatis, clinical aspects, man, infection 3317.
  - Clostridium, diagnosis, treatment, clinical aspects, man, reviews 13277.
  - diagnosis, neutropenia, man 6190.
  - epidemiology models, seasonal variations, hospitals, man 6188.
  - etiology, Branhamella catarrhalis, man 778.
  - gentamicin aerosols treatment, man 13140.
  - gram-negative bacteria, aminoglycoside antibiotics treatment, pharmacokinetics, man 13118.
  - gram-negative bacteria, mezlocillin treatment, man 13130.
  - Haemophilus influenzae, Enterobacteriaceae, cefoperazone, clinical trials, man 7970.
  - Haemophilus influenzae, Streptococcus pneumoniae, treatment, bacampicillin, amoxicillin, man 13121.
  - Lactobacillus casei subsp.rhamnosus, case reports, man 7977.
  - Legionella pneumophila, incidence, man 3310.
  - man 13139.
  - man, characterization 11700.
  - man, conferences 13545.
  - man, geriatrics, nosocomial environments, characterization 7972.
  - man, pneumonia, Acinetobacter calcoaceticus var. anitratus, characterization, case reports 7976.
  - mezlocillin treatment, clinical trials, man 13263.
  - Mycobacterium szulgai, case reports, new records, Australia, man 6983.
  - Mycoplasma, man, reviews 11738.
  - Mycoplasma pneumoniae, association, deafness, treatment, diagnosis, man, case reports 9128.
  - Mycoplasma pneumoniae, pathogenesis, children 10328.
  - Mycoplasma pulmonis, growth effects on growth, rats 11729.
  - Mycoplasma pulmonis, mice, laboratory animals, animal models 10689.
  - polypropylene pyrolysis products effects on, Klebsiella pneumoniae, rats, mice 3312.
  - prophylaxis, immunostimulation aerosols, man 4319.
  - Pseudomonas aeruginosa, association, cystic fibrosis, chemotherapy, man 4398.
  - Pseudomonas aeruginosa, treatment, azlocillin± aminoglycoside antibiotics, cystic fibrosis, man 11714.
  - Pseudomonas aeruginosa, treatment, azlocillin+gentamicin, cystic fibrosis, man 11708.
  - Pseudomonas aeruginosa, treatment, tobramycin+penicillins, cystic fibrosis, man 11712.
  - recurrent infection, complement deficiency, man, case reports 560.
  - relationship Waldeyer's ring, lymphoid tissue, children 9097.
  - Staphylococcus aureus, drug addiction, heroin, man 10320.
  - Staphylococcus aureus, Pseudomonas aeruginosa, aminoglycoside antibiotics treatment, children 10345.
  - Streptococcus group A, cefadroxil treatment, man 9087.
  - Streptococcus group A, treatment, antibiotics, role, carriers, man 1981.
  - Streptococcus pyogenes, diagnosis, man 9109.
  - Streptococcus pyogenese, man, case surveys 7978.
  - treatment, amoxicillin, children 785.
  - treatment, bekanamycin, man 6786.
  - treatment, cefotaxime, man 938.
  - treatment, cefotiam, man 794.
  - treatment, clavulanic acid+amoxicillin 3038.
  - treatment, dibekacin, Pseudomonas aeruginosa, Serratia marcescens, man 759.
  - treatment, Josamycin, children 1968.
  - treatment, moxalactam, man 8052.
  - treatment, pivampicillin, man 9118.
  - treatment, trimethoprim+sulfamethoxypyrazine, man 2011.
- **Restriction endonuclease,**
  - DNA methylation effects on DNA cleavage, Thermus thermophilus 5700.
  - Escherichia coli strains, activity 8572.
  - mapping, DNA homology, plasmids Rhizobium, Agrobacterium tumefaciens, hybridization 5868.
  - mapping, DNA, plasmid pBL101, formate dehydrogenase, genes, Escherichia coli 6755.
  - mapping, phage B DNA 1637.
  - mapping, plasmid pUB110, plasmid pBD9, Bacillus subtilis 5026.
  - mapping, relationship lysine auxotrophy alterations plasmid pWB1 5867.
  - mapping, replication termini, Escherichia coli 5828.
  - mapping, Salmonella typhimurium histidine operon 1601.
  - mapping, uidA gene, uidR gene, Escherichia coli 6691.
- **Restriction endonuclease inhibitor,**
  - genes, phage T4, lysogenization, cloning, mapping, Escherichia coli 7673.
- **Restriction endonuclease mapping,**
  - association, plasmids isolation methodology 8736.
  - cleavage sites, Streptococcus pneumoniae, genetic control 12796.
  - comparison, gene mapping, R factor R388, plasmid Sa, R factor R7K, evolution 9904.
  - DNA, Escherichia coli 8484.
  - DNA genomes damage, methodology, Streptomyces glaucescens 7496.
  - DNA genomes, Mycoplasma hyorhinis 8702.
  - Escherichia coli, cloning, genes 12759.
  - Escherichia coli, genes assocation RNA degradation, plasmid R483, F factors 12774.
  - Escherichia coli, plasmid pBRN3 11310.
  - genetic analysis, transposon Tn5, nitrogen fixation mutants, Rhizobium leguminosarum 12851.
  - iaaP gene, relationship crown gall, Ti plasmid, Agrobacterium tumefaciens 11326.
  - localization transcription regions, plasmid pRle1001a, bacteroids, Rhizobium leguminosarum 9908
  - methionine operons, cloning, Escherichia coli 12783.
  - naphthalene metabolism genes plasmid nah 7 11307.
  - penicillinase plasmids, Neisseria gonorrhoeae 12836.
  - phage ρ11 DNA, Bacillus subtilis hisA gene 12815.
  - plasmid ColA, Enterobacteriaceae 8731.
  - plasmid pED806, F factors replication origin incorporation 11316.
  - plasmid pRle1001a, Rhizobium leguminosarum 9906
  - plasmid pTiAch5, Agrobacterium tumefaciens 12827.
  - plasmid Rts 1, bacteria 12830.
  - plasmids, association, epidemiology, Escherichia coli clinical isolates, diarrhea, man 11765.
  - Pseudomonas aeruginosa chromosomes insertion sequences 12520.
  - rne gene, Escherichia coli 12504
- **Restriction endonuclease mapping, (continued)**
  - Streptomyces plasmids 7702.
  - transposon Tn3 role plasmids recombination 7685.
  - unc operon, Escherichia coli 11257.
  - uvrC gene cloning, Escherichia coli 11045.
- **Restriction-modification,**
  - Bacillus subtilis 12758.
  - Escherichia coli, mutants, ColE1 plasmids, penicillin-binding protein, gene mapping, screening 2911.
  - Escherichia coli, plasmids, enhancement chromosomes mobilization, isolation, genetic analysis 2918.
  - gene mapping, Acholeplasma laidlawii infection, phage L2 12768.
  - phage SH5, DNA, Streptomyces hygroscopicus 1654.
  - plasmid N3, gene mapping 2906.
  - plasmid pCS194, recombinants, Bacillus subtilis, Escherichia coli, maintenance, gene mapping 2924.
  - RNA double-stranded, Pseudomonas strains screening, role, phage Φ6 2900.
  - Streptococcus cremoris, role, plasmids 2940.
- **Retention,**
  - energy, proteins, gnotobiotics, chickens, Lactobacillus acidophilus, Lactobacillus salivarius, Lactobacillus fermentum, effects on 2398.
- **Reticulate bodies,**
  - ADP, ATP transport, Chlamydia psittaci 6540.
- **Reticulitermes flavipes,**
  - gut bacteria, uric acid recycling 5488.
  - lipid biosynthesis, metabolism, bacteria symbionts effects on 5492.
- **Reticulocytes,**
  - cell-free system translation, rabbits, comparison tRNA Lys isoacceptors activity, Bacillus subtilis 7509.
  - Corynebacterium diphtheriae toxins effects on, rabbits 10080.
- **Reticuloendothelial system,**
  - function, corynebacterium parvum effects on, mice, rabbits, albumin particles 8977.
  - localization bacteria endotoxins, hepatoma, tissue culture 11570
  - mice, splenomegaly, Propionibacterium acnes cell surface chemical modification effects on 9331.
  - rabbits, mice, scarlet fever Streptococcus group A toxins effects on 7900.
  - stimulation, relationship, cell walls biosynthesis, Propionibacterium acnes 3818.
- **Retina,**
  - rhodopsin, interaction retinal analogs 3873.
- **Retinal,**
  - analogs, interaction rhodopsin, retina, bacteriorhodopsin, Halobacterium halobium 3873.
  - attachment sites, bacteriorhodopsin, identification lysine, purple membranes, Halobacterium halobium 4838.
  - chromophores, orientation, bacteriorhodopsin, purple membranes, fluorescence, Halobacterium 4789.
- **Retinitis,**
  - cytomegalovirus, mixed infection, Mycobacterium avium-intracellulare, lymphocytes T immunodeficiency, homosexuality, man 13266.
- **Retinoic acid,**
  - derivatives, topical application, treatment, acne, man 1933.
- **Retinol,**
  - binding, bacteriorhodopsin, purple membranes, amino acid sequence, Halobacterium halobium 2674.
  - deficiency, role, Pseudomonas aeruginosa, keratitis, eye, experimental infection, rabbits 2229.
  - hypervitaminosis, effects on, Salmonella typhimurium, experimental infection, mice 3627.
  - interaction proteins, bacteriorhodopsin, Halobacterium halobium 3872.
  - serum levels, man, leprosy 10294.
  - +α-tocopherol, treatment, acne, Propionibacterium acnes, man 1938.
  - treatment, acne, man 5274.
- **Retinylidene,**
  - bacteriorhodopsin chromophores, purple membranes, Halobacterium halobium 6555.
  - chromophores, characterization lysine attachment sites, bacteriorhodopsin, purple membranes, Halobacterium 4776.
- **Revegetation,**
  - oil shales soil, soil microorganisms effects on 8168.
  - reclaimed land, shales, soil properties, nitrogen fixation, enzymatic activity, soil microorganisms 3692.
- **Reversion,**
  - Pediococcus cerevisiae, thymidine, mutant, isolation, characterization 8709.
  - Pseudomonas aeruginosa, M form, motility, cultural characteristics 8707.
- **Revertants,**
  - Bacillus subtilis, mutants, sporogony, delay, genetic analysis 1608.
- **Reviews,**
  - acne, treatment, etiology, man 5269.
  - agglutinins, role, sedimentation, Streptococcus pyogenes, Streptococcus agalactiae, Streptococcus lactis 59.
  - Agrobacterium rhizogenes, hairy root, host range 4609.
  - amikacin, antibacterial activity, treatment, infection, man 314.
  - aminoglycoside antibiotics, antibacterial activity, disseminated infection, bacteria, animals 8096.
  - aminoglycoside antibiotics, antimicrobial activity 5907.
  - anaerobic bacteria, infection, man 10604.
  - anaerobic bacteria infection, metronidazole treatment, man 11936.
  - anaerobic bacteria, mutagenesis, antibacterial activity, 5-nitroimidazoles 10035.
  - anaerobic bacteria, nitroimidazoles, antibacterial activity 10037.
  - Anaplasma marginale, transmission, blood sucking Arthropoda, cattle 9374.
  - antibiotic prophylaxis 4490.
  - antibiotics, prophylaxis, postoperative infection, man 2200.
  - antibiotics treatment, bacteria infection, man 7114.
  - antibiotics treatment, man, infection, bacteria 9265.
  - antimicrobial agents, oral administration, effects on oral microflora, bacteria, man 719.
  - aorta tuberculosis aneurysm, man 6303.
  - arthritis, association, Staphylococcus aureus, Haemophilus, Pseudomonas, Escherichia coli, Serratia 6305.
  - Bacillus anthracis toxins, isolation, pathophysiology, Primates, rats 6861.
  - Bacillus cereus toxins, characterization 1802.
  - bacteria antibiotic resistance, genetic control, role, plasmids, evolution 4196.
  - bacteria, arthritis, clinical aspects, man 9240.
  - bacteria, biosynthesis, β-lactam antibiotics, pathogens, antibiotic resistance 4194.
  - bacteria, breweries isolates, classification, nomenclature 1290.

Reviews, (continued)
bacteria, burn infection, adherence, antibiotic therapy, skin, man 3274
bacteria, carcinogens mutagenesis, toxicity testing 5827
bacteria cell membranes, role pathogenesis, man 10154
bacteria, cell number, relationship, wounds infection, man 5433
bacteria cholic acid, tumorigenesis enhancement, rats 13368
bacteria, coal, sulfur removal 7432.
bacteria, cobalamin transport 7406.
bacteria, Cyanophyta, evolution, chemical properties 12744
bacteria dental disorders 13104
bacteria enteritis, relationship, morbidity, mortality, military personnel 10373
bacteria, genomes, freeze-fracture, fixation 7422.
bacteria, geotaxis, magnetic fields 7411
bacteria, growth, cell cycle, gene regulation, chronobiology 10978
bacteria infection, antibiotic synergism, treatment, man 11996
bacteria infection, cefotaxime treatment, recommendations, man 7182
bacteria infection, cephalosporins treatment, man, antibacterial activity 11404
bacteria infection, cotrimoxazole treatment, prophylaxis, man, in vitro antibacterial activity 11459.
bacteria infection, dental pulp, dental manipulation, man 6960
bacteria infection, erythromycin treatment, characterization, man 11411.
bacteria infection, geriatrics, diagnosis, treatment, man 7164
bacteria infection, renal insufficiency, antibiotics pharmacokinetics, man 12004
bacteria infection, rifampicin treatment, man, biosynthesis, characterization, Streptomyces mediterranei 11368
bacteria infection, vancomycin treatment, man, antibacterial activity 11413
bacteria, ions pumps, currents 12286
bacteria, menaquinone biosynthesis 11031
bacteria meningitis, treatment, children 11848.
bacteria oligotrophy 12360.
bacteria, pathogens, crop plants 13424.
bacteria, pathogens infection, cattle 9349
bacteria pathogens, Invertebrata 9378.
bacteria peritonitis, diagnosis, clinical aspects, man 7196.
bacteria, protons transport coupling ATP synthesis 12287.
bacteria susceptibility, clindamycin antibacterial activity, man 11416.
bacteria toxins, characterization 11503
bacteria, transposons 8673
bacteria, tropism, taxis, role, plant diseases 5495.
bacteria urinary tract infection, antiseptics treatment, man 11821
bacteria urinary tract infection, diagnosis, methodology, man 11816.
bacteriorhodopsin, structure, Halobacterium halobium 4783.
BCG vaccination, complications, man 9027
biodegradation, lignin, cellulose, methanogenesis, ethanol production, technology 8409
bioenergetics, books 10823.
brain tuberculoma, treatment, antibiotics, diagnosis, man 892.
Brochothrix thermosphacta, nomenclature, taxonomy, spoilage, meat 8289.
byssinosis, gram-negative bacteria, etiology, toxins, occupational exposure, Gossypium, man 9121
cadmium toxicity microorganisms 10038
Campylobacter infection, man, animals 9209
Campylobacter jejuni infection, man, pathogenicity, etiology 9258.
Campylobacteriosis, Campylobacter fetus subsp.fetus, etiology, clinical aspects, immune response, immunization, reviews 6923
case reports, man, clavicle, Staphylococcus pyogenes, osteomyelitis, diagnosis, treatment 3545
case reports, man, Pseudomonas aeruginosa, otitis externa, diagnosis, treatment, mortality 3342.
cattle infection, Mycoplasma, Ureaplasma, Acholeplasma, Spiroplasma, Anaeroplasma 6364
cattle, neonates, enteritis, Escherichia coli, etiology, prophylaxis 4568.
Caulobacter, taxonomy, phages, ecology, nutrition, culture, structure 3795
cefoperazone, antibacterial activity, pharmacokinetics, use, antibiotic therapy 4171.
cephalosporins, antibacterial activity 5059.
Chlamydia trachomatis, genital tract infection, man 9186.
Chlamydia trachomatis infection, man, neonates 4453
Chlamydia trachomatis, infection, McCoy cells, radiation, isolation methodology 9501.
chloramphenicol biosynthesis, Streptomyces venezuelae, characterization 11419.
clavulanic acid+amoxicillin, antibacterial activity, treatment, urinary tract infection, respiratory tract infection 3038.
Clostridium, amino acids biodegradation 7427.
Clostridium botulinum neurotoxins effects on neuromuscular junctions 11508.
Clostridium botulinum toxins, characterization 7885
Clostridium botulinum type E, ecological distribution, spores, soil, water 9450
Clostridium difficile, toxins, association, pseudomembranous colitis, man 6015.
Clostridium difficile toxins, pseudomembranous colitis, man 8889
colon microflora effects on, intestine epithelium, physiology, man 11659.
conjugation, role F factors, genetic analysis, bacteria 8729.
Corynebacterium diphtheriae endocarditis, man 5382
Crohn's disease, role, viruses, bacteria, man 809.
denitrification, characterization 6430.
dental caries epidemiology, world, man 6959.
dental caries prophylaxis, man 9080.
diagnosis, Mycoplasma infection, microscopy, isolation, identification, culture 9568
diarrhea, Vibrio, epidemiology, immunity, vaccines, man 11776.
DNA glycosylase, kinetics, physicochemical properties 7605.
DNA proteins interaction, DNA-binding protein, DNA topoisomerase, recA gene protein 7495.
drugs treatment, sexually-transmitted diseases, man, bacteria infection 11859.
drugs treatment, tuberculosis lung 6195.
ear, nose, throat, infection, bacteria, pathology, etiology, man 6992.
electron transfer, protonmotive force, ATP synthesis, coupling mechanisms, chromatophores, bacteria 9670.
electron transport, Paracoccus denitrificans 9669.
endocarditis, Neisseria mucosa, commensals, pathogenicity, association, skin, case reports, man 9297.
endocarditis, Staphylococcus aureus, association, dental manipulation, man 3451.
enteritis, Campylobacter fetus subsp.jejuni, epidemiology, pathogenesis, diagnosis, treatment, man 7022.
Escherichia coli colicins, toxicity mechanisms 11505.
Escherichia coli enterotoxins, toxicity, man 3132.
Escherichia coli, outer membranes, membrane proteins, genetic analysis 7533.

Reviews, (continued)
Escherichia coli protein biosynthesis, relationship phosphate operon 12806.
fever, bacteria, diagnosis, infants, man, clinical aspects 9246.
food contamination, toxicity, man, Campylobacter jejuni 13164.
genital tract infection, association, intrauterine devices, man 2057.
genital tract infection, man 10414.
genitourinary tract tuberculosis, epidemiology, treatment, diagnosis, man 865.
gingivostomatitis, Streptococcus group A, diagnosis, treatment, man, case reports 6956.
gonorrhea, spectinomycin treatment, man 11855
gonorrhea, spectinomycin treatment, man 13225.
gram-negative bacteria endotoxins inhalation pathology 490.
gram-negative bacteria infection, aminoglycoside antibiotics, treatment, prophylaxis, man 12002.
gram-negative bacteria toxins, food poisoning, epidemiology, man 10097.
gram-positive bacteria, gram-negative bacteria, transformation 8693.
granuloma inguinale, Calymmatobacterium granulomatis, epidemiology, etiology, clinical aspects, treatment, man 6248.
Haemophilus influenzae infection, clinical aspects, pathology, man 5378.
Halobacterium halobium, purple membranes, bacteriorhodopsin, protons pumps, mechanisms 12284.
hepatitis, association, scarlet fever, case reports, man 11993.
horses, salmonellosis, treatment, clinical manifestations, prophylaxis 2353.
host-pathogen interactions, bacteria cell surface, role, infection, immune response 8964.
hydrogen production, Anabaena cylindrica, phototrophic bacteria 2843.
iatrogenic diseases, bacteria, infants, man, characterization 7158.
immunity (cell-mediated), bacteria infection, animal models 9017.
immunization, disease control, Australia 9056.
infection, tetracyclines treatment, man 11942.
infectious diseases, effects on, immune response, fat metabolism, man 13032.
intestinal microflora, dietary intake effects on, composition, metabolism, man 13065.
ions pumps, membranes, transport, books 13533.
β-lactam antibiotics, characterization, pathogens bacteria, resistance mechanisms 5918.
β-lactam antibiotics, structure, antibacterial activity 405.
lactic acid bacteria, genetics, plasmids, genetic engineering, proteinase, cheese production 4112.
Legionella toxins, characterization 5157.
Leguminosae, Rhizobium, symbiosis, nodulation, cell surface, polysaccharides 13490.
leprosy, persistent infection, chemotherapy, man 1941.
leprosy treatment, man 5273.
leptospirosis pathogenesis 1078.
leukocytes (eosinophilic), role, tropical environment diseases, bacteria, man 11579.
lignin biodegradation, fungi, Actinomycetes, association, carbon cycle, reviews 12361
Listeria monocytogenes, infection, epidemiology, man 4529.
luciferase mechanisms, bacteria 9784.
lymphadenopathy, Mycobacterium, diagnosis, treatment, man 9307.
lyophilization effects on bacteria DNA repair 5704.
man, acne, bacteriology, pathology, immune response 4360.
man, acne, treatment 11665.
man, arthritis, Staphylococcus aureus, Haemophilus influenzae, treatment 4528.
man, bronchopulmonary infection, bacteria, antibiotics treatment 13155.
man, brucellosis, clinical aspects, treatment, diagnosis 11974.
man, burn infection, bacteria, treatment, antibiotics 13256.
man, Clostridium infection, diagnosis, treatment, clinical aspects 13277.
man, Clostridium tetani vaccination, immunity, association, antibody response, immunoglobulin G 4353.
man, dental caries, dental hygiene 10303.
man, dental caries prophylaxis, fluoridation 3303.
man, dental caries, prophylaxis, fluoride 3286.
man, dental caries, prophylaxis, fluoride 3299.
man, dental infection, association, odontogenesis 11679.
man, gastrointestinal tract diseases, association, diarrhea, bacteria, pathogenesis 4419.
man, genital tract infection, chlamydia trachomatis 9196.
man, genital tract infection, chlamydia trachomatis 9198.
man, gonorrhea, diagnosis, epidemiology, treatment 2156.
man, gonorrhea, non-specific urethritis, disease control, clinical manifestations 2166.
man, gonorrhea, pathogenesis 8024.
man, gut, Escherichia coli, population dynamics 3264.
man, immunocompromised hosts, incidence, infection, bacteria, fungi, prophylaxis 5372.
man, infection, association, cesarean section, prophylaxis, antibiotics 4484.
man, infection, chlamydia, pathogenicity characterization 9195.
man, infectious diseases, diarrhea 7028.
man, infective endocarditis, diagnosis, treatment, prophylaxis 9239.
man, leprosy, chemotherapy 4361.
man, non-specific urethritis, treatment, etiology, Chlamydia trachomatis, clinical manifestations 2167.
man, nosocomial infection, environmental effects, disease control 10560.
man, nosocomial infection, epidemiology, statistical analysis, factors affecting, hospitals 10521.
man, nosocomial infection, incidence, measuring techniques comparison, hospitals 10518
man, osteomyelitis, pathology, treatment, antibacterial agents 10462.
man, otitis media, treatment, decongestants 10332.
man, pneumonia, Streptococcus pneumoniae, treatment, pathology, vaccination 9093.
man, postoperative infection, prophylaxis, antimicrobial agents 4518.
man, pregnancy, genitourinary tract infection, bacteria, pathology, immunity 2061.
man, prophylaxis, bacteria infection 11980.
man, prophylaxis, tuberculosis, lung 6194.
man, respiratory tract infection, genitourinary tract infection, Mycoplasma 11738.
man, rickettsiosis, pathology, diagnosis, Europe 13341.
man, sexually-transmitted diseases, clinical aspects, epidemiology 2139.
man, sexually-transmitted diseases, prophylaxis 2165.
man, Streptococcus pneumoniae infection 11981.
man, syphilis, diagnosis 3435.
man, syphilis, diagnosis, treatment 2139.

Reviews, (continued)
man, toxic shock syndrome, association, Staphylococcus aureus, exotoxins 3499.
man, toxic shock syndrome, Staphylococcus aureus 10112.
man, toxic shock syndrome, Staphylococcus aureus, clinical aspects, diagnosis, treatment 10079.
man, traveller's diarrhea, Escherichia coli 4412.
man, treatment, sexually-transmitted diseases 13224.
man, urinary tract infection, diagnosis 3398.
mastitis, disease control, cattle 9348.
mathematical models, microorganisms, metabolism, association, enzymes biosynthesis, continuous culture 8276.
media (selective), antibiotics 6456.
meningitis, bacteria, etiology, infants 2131.
meningitis, Mycobacterium tuberculosis, pathology, man 11840.
methylotrophic bacteria 5657.
methylotrophic bacteria, methane metabolism, methane monooxygenase 3850.
mezlocillin antibacterial activity, antibiotic synergism 12896.
microflora, carcinogenesis, colon, man 13159.
microorganisms, biodegradation, hydrocarbons 3855.
microorganisms, growth, dissolved organic carbon substrates 10973.
microorganisms, mutagenesis, U.V. radiation 4979.
microorganisms nitrogen fixation, association, nitrogenase, adenosinetriphosphatase 9454.
mucosa skin diseases, bacteria, man 13087
Mycobacterium, identification, sensitins hypersensitivity (delayed), guinea-pigs 5584.
Mycobacterium identification, tests 5588.
Mycobacterium leprae, growth, nutrient requirements, in vitro, in vivo 7454.
Mycobacterium, transduction, lysogeny, mutagenesis 5830.
Mycobacterium tuberculosis, antigens, characterization 6059.
Mycobacterium tuberculosis, lymphadenitis, clinical aspects, man, case reports 3461.
Mycobacterium tuberculosis, tuberculosis, association, pregnancy, diagnosis, treatment, man 4387.
Mycobacterium tuberculosis, tuberculosis, man 4393.
mycobactin, Mycobacterium paratuberculosis, Mycobacterium avium 12737.
Mycoplasma, biochemical characteristics, infection, diagnosis, pathogenicity, man 10508.
Mycoplasma bovis, mastitis, cattle 10698.
mycoplasmosis, cattle genital diseases 6365.
neurosyphilis, diagnosis, treatment, penicillin, man 931.
Nocardia, Actinomyces, infection, immunocompromised hosts 6253.
nomenclature microorganisms toxins 7882.
nosocomial infection, bacteremia, gram-negative bacilli, epidemiology, man 11867.
nosocomial infection, prognosis, disease control, man 10504.
nosocomial infection, prophylaxis, control, man, hospitals 10512.
nosocomial infection, wound infection, surgery, disease control, antibiotics, antiseptics, man 10562.
organochlorine insecticides, antimicrobial activity 5980.
otitis media, man, bacteriology 10333.
oxidation, alkanes, mechanisms, bacteria 12365.
parasitic diseases, animals, tropical environments, public health 13369.
Pasteurella multocida, serotypes, antigenic characteristics 4255.
penicillins, antimicrobial activity, clinical aspects 7793.
peptide hydrolase, Streptococcus group N, purification, characterization 5790.
periodontal diseases, antibiotics treatment, man 5281.
periodontal diseases, bacteria, antibiotics, treatment, man 6954.
periodontitis, immune response, man 5220.
periodontitis, man 5280.
peritonitis, pathogenesis, man 10612.
phage λ DNA insertion Escherichia coli 9850.
phages hosts interaction, phage T3, phage T7 2895.
phages, replication, inhibition, plasmids 2944.
phagocytes, pathogens killing, mechanisms 7937.
phenols antioxidants, fatty acids, antimicrobial activity 423.
phophoenolpyruvic acid association hexose transport systems, role enzymes phosphorylation, bacteria 8355.
photosynthetic membranes biosynthesis, Rhodospirillaceae 8473.
pneumonia, Legionella micdadei, Legionella pneumophila, pathology, diagnosis, man 3323.
pneumonia, meningitis, gram-negative bacteria, man, geriatrics 13275.
pneumonia, nosocomial infection, gram-negative bacilli, epidemiology, etiology, man 11699.
Propionibacterium acnes postoperative infection, hip surgery, man 7135.
proteins transport, membrane proteins 7407.
proteolipids, structure, function, membranes 7405.
protons pumps, adenosinetriphosphatase, genetics, bacteria 5751.
pseudomembranous enterocolitis, role, Clostridium difficile, 3369.
Pseudomonas aeruginosa infection, immune response, immunodeficiency, man 11568.
Pseudomonas aeruginosa infection, penicillins treatment, man 11940.
Pseudomonas aeruginosa infection, treatment, aminoglycoside antibiotics+β-lactam antibiotics, man 11897.
Pseudomonas aeruginosa, pathogenicity, role exotoxins, proteinase 11540.
Pseudomonas infection, polymyxin± aminoglycoside antibiotics, biosynthesis, treatment, man 11997.
public health, animal wastes, antibiotic resistance bacteria, R factors 7825.
quinones, distribution, bacteria, taxonomy 5598.
radioactive labelling, bacteria, comparison, radioisotopes 8274.
receptors, bacteria, structural proteins, characterization 9587.
Rhizobium, nitrogen fixation, nodulation, Phaseolus vulgaris 1206.
RNA polymerase, mechanisms, bacteria 7620.
RNA, processing, Escherichia coli, association, phage T7, phage λ, genetics 7519.
rumen microflora, feeds, digestion 9324.
Saccharum officinarum diseases, infection, bacteria, fungi, viruses 9386.
Salmonella, antibiotic resistance, characterization, geographical distribution 8801.
serological tests, animals pathogens detection, bacteria 11529.
serological tests, Chlamydia trachomatis infection, man, diagnosis, antigenic characteristics 8915.
sexually-transmitted diseases, Chlamydia trachomatis, man 10440.
sexually-transmitted diseases, clinical aspects, epidemiology, man 7081.
sexually-transmitted diseases, man 9185.
shipping fever pneumonia, bovine rhinotracheitis, cattle 10693.
space flight, radioprotection effects on microorganisms activity 5960.
Spiroplasma citri, mycoplasma-like organisms, plant diseases 10751

Reviews, (continued)
Staphylococcus aureus, infection, cerebrospinal fluid shunts, man 9169.
Staphylococcus aureus phagocytosis, leukocytes (polymorphonuclear), leukocytes (mononuclear), role, complement C3 574.
Staphylococcus resistance, penicillins antibacterial activity, man 11405.
statistical analysis methodology, antibacterial activity, antileprotic agents, Mycobacterium leprae 8849.
Streptococcus group G, characterization 10879.
Streptococcus, ions transport 9596.
Streptococcus, nisin biosynthesis, characterization 4152.
Streptococcus pneumoniae, antigenic properties, vaccines, development 521.
Streptococcus pneumoniae infection, pathology, vaccines, man 1017.
Streptococcus pneumoniae vaccination, man, USA 615.
Streptococcus pneumoniae vaccination, use, man 5258.
Streptococcus pneumoniae vaccines development 5251.
Streptococcus pneumoniae, vaccines, vaccination, antibody response, man 640.
Streptococcus suis, infection, pigs, clinical aspects, pathology 6369.
Streptomyces, Nocardia, β-lactam antibiotics biosynthesis, screening 8746.
succinate dehydrogenase, activity, structure, biosynthesis, genetic analysis 8603.
syphilis, diagnosis, serological tests, man 2137.
syphilis, immunity, Treponema pallidum 3426.
technology, biomass, biodegradation, crop residues, single-cell protein 9624.
teichoic acids, teichuronic acids, biosynthesis, localization, characterization, Micrococcus luteus, Bacillus licheniformis 4076.
thermophilic bacteria, protons pumps, liposomes reconstitution 12283.
tine test, public health, man 13345.
tonB gene, gene products role, Escherichia coli 8697.
toxins biosynthesis, genetics, localization, bacteria 6714.
transposons, insertion sequences, structure, transposition, phages, bacteria 12817.
treatment, association, kidney abscesses, Staphylococcus aureus 5327.
Treponema pallidum, characterization, culture methodology 7366.
tricarboxylic acid cycle, bacteria, succinyl-CoA synthetase (ADP-forming), citrate (si)-synthase, catalysis 9732.
trimethoprim, treatment, infection, pharmacokinetics, man 2268.
tryptophan operon, nucleotide sequence, characterization, Escherichia coli 1460.
tuberculosis, characterization, Mycobacterium africanum, Mycobacterium bovis, Mycobacterium microti, Mycobacterium tuberculosis 7003.
tuberculosis, chemotherapy 3324.
tuberculosis, disease resistance, role, defense mechanisms 6974.
tuberculosis, epidemiology, control, man 7197.
tuberculosis lung, pathogenesis, man 6970.
tuberculosis, lung, treatment, clinical trials, man 6186.
tuberculosis, Mycobacterium tuberculosis, antitubercular agents treatment, man 11938.
tuberculosis, Mycobacterium tuberculosis, immune response, immunological aspects, man, animals 6110.
tuberculosis, Mycobacterium tuberculosis, immune response, pathogenesis, diagnosis, man 13042.
tuberculosis, Mycobacterium tuberculosis, medical importance 7000.
Ureaplasma urealyticum, Mycoplasma hominis, genitourinary tract infection, man 10399.
urinary tract infection, association, kidney scars, association, kidney scars, man 6220.
urinary tract infection, Escherichia coli, pathology, man 6223.
urinary tract infection treatment, man 5330.
vaccination, adolescents 611.
vaccination, BCG, Clostridium diphtheriae, Rickettsia prowazekii, Clostridium tetani 10260.
vaccines, children, infection, tuberculosis, immunity (passive) 9049.
vaginitis, treatment, diagnosis, man 9157.
Vibrio cholerae toxins 11483.
Vibrio cholerae toxins reaction mechanisms 480.
Vibrio cholerae, transposons, genetic engineering 11319.
Vibrio parahaemolyticus, characterization 12258.
water potential effects on microorganisms growth, ecology 13506.
Whipple's disease, immune response (cell-mediated), etiology, bacteria, bowel, man 2048.
Yersinia enterocolitica characterization 8317.
Yersinia enterocolitica infection, surgery, clinical aspects, man 7148.
Yersinia enterocolitica infection surveillance, serotyping, man, Belgium 8070.
Yersinia enterocolitica, taxonomy, clinical aspects, nutrient requirements, characterization 8326.

Rh factor,
relationship eczema, man 6949.

Rhabdomyolysis,
association, bacteria septicemia, incidence, man 12023.

Rhamnolipids,
Pseudomonas aeruginosa 12721.

Rheumatic fever,
association myocardial infarction, man 13307.
association poststreptococcal glomerulonephritis, man 13283.
comparison, glomerulonephritis, Streptococcus, comparison, immunoglobulin A levels, man 12015.
control programs, international cooperation, man 2269.
heart pathology, children 5389.
man, epidemiology, prevention 10589.
man, long-term effects, case surveys 11892.
pathogenesis, Streptococcus group A protein M, lymphocytes cytotoxicity 7110.
presentation, Mycoplasma pneumoniae infection, clinical aspects, children 7181.
rheumatic nodules, lymphocytes B distribution 6318.
Streptococcus group A, association, neurosis, man 10418.
Streptococcus group A, diagnosis, clinical aspects, man 5362.
Streptococcus group A, epidemiology, man, USA, Mississippi 2300.
Streptococcus group A, liver pathology, man, case reports 3494.
Streptococcus group A, prognosis, man, Czechoslovakia 8048.
Streptococcus group A, serological tests, man 7109.
treatment, voltaren, prednisolone, indomethacin, man 980.

Rheumatic heart disease,
control programs, international cooperation, man 2269.
diagnosis, adolescents, man, case reports 10468.
pathology, children, Nigeria 2264.
prognosis, children, Nigeria 2263.
Streptococcus group A, association, neurosis, man 10418.

Rheumatic heart diseases,
Streptococcus group A, prognosis, man, Czechoslovakia 8048
Rheumatic nodules,
rheumatic fever, lymphocytes B distribution 6318
Rheumatism,
Salmonella, association ankylosing spondylitis, man 9253
Rheumatoid arthritis,
association, arthritis, Staphylococcus, diagnosis, treatment, man, case reports 3496
man, joints prothetics, infection, bacteria, association, leukocytes (granulocytic) response 10491
Mycobacterium terrae, knee, case reports, man 7095.
Mycoplasma etiology, animal models 10541
Mycoplasma pneumoniae etiology, man 10544
rheumatoid factor serum levels comparison Yersinia enterocolitica arthritis antibodies serum levels, man 6093
Staphylococcus aureus infection, man 13291
Rheumatoid factor,
serum levels, rheumatoid arthritis comparison Yersinia enterocolitica arthritis antibodies serum levels, man 6093
Rhinitis,
atrophic rhinitis, pigs, etiology, immune response, Bordetella bronchiseptica 1061.
Chlamydia psittaci, isolation, Anas platyrhynchos 6359.
Klebsiella ozaene, clinical aspects, case reports, man 6966.
Rhinotracheitis,
Alcaligenes faecalis, vaccination, turkeys 6123.
Rhinovirus (human),
respiratory tract infection, correlation, pertussis, children, British Isles 790.
Rhipicephalus sanguineus,
Brucella canis isolation 7292
Rhipicephalus senguineus.
transmission, Rickettsia conorii, exanthematous typhus, man, case reports 2204.
Rhipicephalus simus,
Anaplasma marginale, isolation 1.
Rhizobia,
growth, nodulation, herbicides effects on, pure culture 1389.
Rhizobiaceae,
growth, anaerobic conditions, denitrification 2465.
Rhizobium,
Alnus glutinosa nodules, glutamine synthetase, localization, characterization 10767
amino acids bioaccumulation, salinity effects on 7530.
antibiotic resistance, streptomycin, enumeration, soil, rhizosphere, Vigna mungo 2472
antibiotics resistant mutant, streptomycin, erythromycin, isolation, characterization 6820
Arachis hypogaea isolates, fungicides, antibiotics, effects on, in vitro 3730.
bacteroids formation, nodulation, Phaseolus lunatus 12133.
bacteroids, nitrogen fixation, leghemoglobin, oxygen, carbon sources, effects on 3694
carbaril resistance, development 1219.
cell walls, biodegradation, Leguminosae 5519.
competition, nodulation, strains, soil types, Vigna radiata 10792.
competition, nodulation, Vicia faba 5520
cultural characteristics, biochemical characteristics, Cicer arietinum isolates 13501
culture, factors affecting survival, association, freeze-drying, storage 9514.
drug resistance, thiuram 3116.
enumeration, antibiotics, fungicides, soil 1227.
exopolysaccharides composition, association, growth 7448.
extracellular polymers, polysaccharides, characterization, relationship, host specificity 215.
genotypes, wild type competition inoculation, nodulation, Dolichos biflorus 7320.
gibberellin biosynthesis, nodules, effects on, growth, Phaseolus lunatus 4625
Glycine max, symbiosis, soil, acidity, tolerance, factors affecting 2437
growth, anabolism, fungicides effects on 3089.
growth, interference, culture 3865
growth, nitrate reduction, denitrification 12464.
growth, phosphate, effects on 105.
growth, survival, sugar industries wastes, Vigna unguiculata nodulation 1165.
indole-3-acetic acid production, association, Pongamia pinnata, roots, nodules 8174.
infection, Glycine max, ± mycorrhizas, effects on nodulation 10763.
infection, lectins, cell recognition, legumes 2466.
inoculation, Cajanus cajan, soil, nutrient deficiencies 1189.
inoculation, Caragana arborescens nodulation induction, semiarid environments 12145.
interaction, Glomus fasciculatus, effects on Hedysarum boreale growth 5516.
interaction, Glycine max, association, nitrogen fixation 10773.
isolation, evaluation, nitrogen fixation, nodulation, South America 1163.
legumes nodulation, host-parasite interactions, effects on nitrogen fixation 9471.
Leguminosae, interaction, nodules, microscopy, characterization 6427.
+Leguminosae, nitrogen fixation technology 10774.
Leguminosae nodulation, susceptibility 4633.
leguminosae seeds pretreatment, association, germination 10765.
Leguminosae, symbiosis, nodulation, cell surface, polysaccharides, reviews 13490.
Lotus pedunculatus flavolan, toxicity effects on 13491.
+Lycopersicon esculentum, nitrogenase activity induction, in vitro 4623.
media (culture) 8261.
media (culture), enumeration, methodology 12210.
mutants, characterization, nodulation, nitrogen fixation 2433.
mutants, nitrogenase enzymatic activity, vigna radiata var.aureus effects on 3726.
nif gene, ammonium regulation nitrogenase 9834.
nitrogen fixation, Arachis hypogaea chlorosis effects on 5530.
nitrogen fixation, Arachis hypogaea, Vigna unguiculata, Macroptilium atropurpureum 1180.
nitrogen fixation, Centrosema virginianum 1196.
nitrogen fixation, ecological evaluation, herbicides effects on 8203.
nitrogen fixation, forests wetlands, USA, Florida, acetylene reduction, nitrogenase activity 9462.
nitrogen fixation, growth, Oryza sativa straw, decomposition, effects on 2439.
nitrogen fixation, Leguminosae, Vigna sinensis, Mali 9439.
nitrogen fixation, nitrogen cycle, agricultural practices, semiarid environments 9440
Rhizobium, (continued)
nitrogen fixation, nodulation, inoculation, Leguminosae seeds 9446.
nitrogen fixation, nodulation, Phaseolus vulgaris, reviews 1206.
nitrogen fixation, nodulation, Robinia pseudoacacia 1176.
nitrogen fixation, nutrient requirements, nitrogenase 13464.
nitrogen fixation, role nif gene 8688.
nitrogen fixation, Vigna unguiculata, Africa, West 1191.
nitrogenase, acetylene reduction, Glycine max 5518.
nitrogenase, Lycopersicon esculentum 4623.
nodulation ability, association, polysaccharides extracellular levels 4631.
nodulation, aluminum effects on, Stylosanthes scabra, Stylosanthes hamata 10794.
nodulation, Cicer arietinum, effects on roots growth 2473.
nodulation Cicer arietinum, seed treatments effects on 7321.
nodulation efficiency, markers, antibiotic resistance 10784.
nodulation, Glycine max, Vigna unguiculata, Trifolium repens, Azotobacter vinelandii proteins effects on 5528.
nodulation, Glycine wrightii 3690.
nodulation, herbicides effects on 2455.
nodulation, host range, Leguminosae 5540.
nodulation, host specificity, Leguminosae 1178.
nodulation, interaction, roots, Glycine max, salinity effects on 5515.
nodulation isolates, production, applications, Leguminosae 1197.
nodulation, Medicago sativa, Lupinus mutabilis, acetylene reduction, semiarid environments 8175
nodulation, nitrogen fixation, Arachis hypogaea, pH effects, inoculum rate effects on 1190.
nodulation, nitrogen fixation, Arachis hypogaea, yield 9478.
nodulation, nitrogen fixation, competition, Lotus pedunculatus, nutrient enrichment, effects on 1224.
nodulation, nitrogen fixation, inoculation, Glycine max, Senegal 9443.
nodulation, nitrogen fixation, Leguminosae, Thailand 1198.
nodulation, nitrogen fixation, Vigna unguiculata 1226.
nodulation, Phaseolus vulgaris, Glycine max, acid rain effects on 1207.
nodulation, Pisum sativum, role, genetic factors 4646.
nodulation, Psophocarpus tetragonolobus 2467.
nodulation, screening, Cajanus cajan, methodology 7334.
nodulation, Stylosanthes 8180.
nodulation, Vigna sinensis, roots exudates effects on 6413.
nodulation, Vigna unguiculata, Meloidogyne incognita effects on 7318.
nodules, Glycine max, Vigna unguiculata, nitrogen fixation, association, phosphorus requirements 5535.
nodules morphology, Pisum sativum 12134.
nodules, nitrogen fixation, association, Glycine max developmental stages 2469.
nutrient availability, phosphorus, growth 8403.
nutrient requirements, variation 2669.
nutrient solutions, aluminum effects on survival 7450.
outer membranes, hypertrophy, ultrastructure 12314.
P plasmid, transfer frequency, Escherichia coli, maintenance 4132.
plasmids, DNA homology, Agrobacterium tumefaciens, hybridization, restriction endonuclease mapping 5868.
polysaccharides, chemical composition 9797.
quality, Glycine max, Medicago sativa, Arachis hypogaea, γ radiation, steam, sterilization, effects on 2463.
Rhizobium japonicum, Agrobacterium, DNA, hybridization, genetic relationship, taxonomic significance 1441.
Robinia pseudoacacia nodules, nitrogen fixation, assocation, spring 10766.
storage, viability 12217.
strains, effects on Glycine max nitrogen fixation 5523.
strains, nodulation, Lotus corniculatus 2449.
strains variation, nitrogen fixation, Phaseolus vulgaris 13494.
susceptibility, pathogenicity, Leguminosae 1193.
symbiosis, Desmodium intortum, intraspecific interactions, setaria anceps, effect on nitrogen fixation 10771.
symbiosis, Glycine max, soil moisture effects on 1223.
symbiosis, legumes, nitrogen fixation, shales 8204.
symbiosis, Pisum sativum, nitrogen fixation, association, fruits growth, apical apparatus 9467.
symbiosis, Vigna radiata, interaction, Rhizoctonia botaticola root rot, antagonism 9477.
symbiosis, Vigna unguiculata, herbicides effects on 1203.
+Trichoderma hamatum, seed treatments, effects on nodulation, disease control 1200.
+Trifolium repens, +Lotus pedunculatus, phosphorus effects on, growth, nutrient uptake 1172.
Vigna unguiculata, nodules pigmentation, use, competition analysis 10781.
Vigna unguiculata, soil moisture, soil temperature, effects on inoculum potential 7333
+Vigna unguiculata, water stress effects on nodulation, nitrogen fixation 2464.
Rhizobium "cowpea",
Triticum aestivum, Sorghum nigricans, nitrogenase enzymatic activity 1214.
Rhizobium japonicum,
aldehyde dehydrogenase, purification, activity 12628.
allantoin biosynthesis, association, nitrogen fixation, Glycine max 8170.
antibiotic sensitivity testing 9923.
bacteroids, electron transport chain, hydrogen oxidation 6549.
carbon dioxide, uptake, nodules, Glycine max, association, amino acids biosynthesis 6422.
cell walls, lectins, receptors, sites, localication 7416.
coal adsorption, inoculation, nitrogen fixation, Glycine max 12128.
effects on, nitrogen fixation, growth, Glycine max 2458.
Glycine max, ± irrigation, effects on yield, USA, North Carolina 1225.
Glycine max isolates, utilization, alcohols, aldehydes 3719.
+Glycine max, nodulation, association, inoculation rates 2460.
Glycine max, pesticides seed treatments effects on 8162.
Glycine max, symbiosis 3682.
growth, anaerobic conditions, denitrification 2465.
growth, phosphate 104.
heme biosynthesis, iron nutrient deficiencies effects on 9696.
hydrogen uptake positive, effects on nitrogen fixation, respiration, nodules, Glycine max 1181.
hydrogenase, Glycine max nodulation, effects on seeds nitrogen content, yield 2454.
inoculation, nodulation, Glycine max, methodology, field trials 10779.
inoculation, soil, effects on, Glycine max, cultivars, yield 2447.
inoculum, Leguminosae, polyacrylamide, methodology 10786.

Rhizobium japonicum, (continued)
interaction Macrophomina phaseolina, relationship, charcoal rot disease resistance, phytoalexins production, Glycine max 4636.
interaction soil microorganisms, fungi, mycotoxins, effects on populations, Glycine max nodulation 8156.
lectins binding, media, effects on 2428.
linuron biodegradation 1389.
nitrate reductase deficient mutant, association nitrogen fixation 6527.
nitrogen fixation defective mutant, isolation, characterization 12731.
nitrogen fixation, foliar applications, fertilizers, Glycine max 8207.
nitrogen fixation, Glycine max, plant extracts, effects on 2448.
nitrogen fixation, measurements, Glycine max 12135.
nitrogen fixation, modulation, Glycine max, soil moisture effects on 9470.
nitrogen fixation, nodulation, characterization 5525.
nitrogen sources, glutamate, acetylene reduction 9617.
nitrogenase activity, carbon dioxide requirements 12685.
nodulation, cytology, Glycine max 10770.
nodulation, Glycine max, association, nitrogen fixation 10799.
nodulation, Glycine max, Vigna unguiculata, Ivory Coast 9444.
nodulation, nitrogen fixation, Glycine max, Trinidad 1188.
phosphorus nutrition, growth 8405.
populations, association, surface area, roots, Leguminosae 3698.
resistant mutant chlorate, nitrate reductase, molybdate, effects on 1542.
Rhizobium, Agrobacterium, DNA, hybridization, genetic relationship, taxonomic significance 1441.
ribulosebisphosphate carboxylase, purification, characterization 7611.
selection, nodulation, symbiosis, Glycine max 5517.
strains, nodulation, Glycine max varieties 13493.
superoxide dismutase, iron content, activity 1528.
transfer, Escherichia coli drug resistance plasmids, IncP-1 plasmids 5033.

Rhizobium leguminosarum,
ammonia transport 12322.
antibiotic sensitivity testing 9923.
competition, nodulation, markers, use, streptomycin antibiotic resistance, phage typing 9458.
exopolysaccharides composition, association, growth 7448.
glucose transport, regulation malic acid 6510.
growth, synergism, cellulolytic microorganisms, soil 12141.
linuron biodegradation 1389.
motility, chemotactic response, sugars 5619.
nitrogen fixation mutants, restriction endonuclease mapping, transposon Tn5, genetic analysis 12851.
nitrogen fixation, nodulation, relationship, plasmid pIJ1008 transfer 12845.
nitrogen fixation, Pisum sativum, photosynthesis, association 6429.
nitrogenase genes operons organization, analysis mRNA cDNA hybridization 7664.
nodulation competitiveness, quantitation 10787.
nodulation, lens esculenta, captan seed treatments effects on, yield, lens esculenta, captan seed treatments effects on 1164.
nodulation plasmids recombination 12803.
nodules, Pisum sativum, nitrogen fixation, relationship, hydrogen metabolism 2450
plasmid pRle1001a, localization transcription regions, restriction endonuclease mapping 9908.
plasmid pRle1001a, restriction endonuclease mapping 9906.
plasmids, effects on, nitrogen fixation, nodulation, Pisum sativum 2442.
plasmids, nodulation, transfer, host specificity, Pisum sativum 2922.
plasmids, transfer, nodulation, bacteriocins, characterization 2921.
plasmids, transfer, Rhizobium phaseoli, nodulation, host range, Phaseolus vulgaris, Pisum sativum 2923.
plasmids, transmission, characterization 12862.
polysaccharides secretion, characterization 6667.
population dynamics, soil, succession 12136.
relationship, Meloidogyne incognita, pathogenicity, effects on Vigna sinensis 9412.
RNA polymerase, isolation, characterization 4869.
streptomycin resistance, effects on Pisum sativum nodulation 9989.
succinate transport 1384.
succinic acid resistant mutant, metabolism, characterization 5648.
transformation, nif gene plasmids gene expression association 11334.
tryptophan transformation 2735.
Vicia villosa, nodules, nitrogen fixation, drought effects on, soils (saline) 1222.

Rhizobium leguminosporum,
oxidation, organic acids, carbon sources 5794.

Rhizobium loti sp.nov.,
characterization, symbiosis, Lotus conrniculatus 8345.

Rhizobium lupini,
bacteroids, aspartic acid, biosynthesis 2820.
bacteroids, glutamate synthase, ammonium effects on 12667.
bacteroids, proteins, periplasmic space 12315.
2,4-D biodegradation 1389.
Lupinus luteus nodules association, incidence flavin enzymes 13488.
mutants, R factor RP4, insertion sequence 1 9875
nitrogenase biosynthesis 12668.
nodulation, rhizosphere, Macroptilium atropurpureum, Neonotonia wightii, Lupinus, soil properties effects on 8193.

Rhizobium meliloti,
abundance, soil moisture effects on, crop fields 10796.
acid, alkaline, reactions, biochemical analysis, Medicago sativa, Trifolium subterraneum, Leucaena leucocephala, Glycine max, Centrosema pubescens, Crotolaria anagyroides 2579.
acidic polysaccharides, structure 2830.
ammonium utilization deficient mutant, growth 12407.
antibiotic sensitivity testing 9923.
carbaril resistance, development 1219.
carbohydrates mutants, characterization 8708.
competition, nodulation, Medicago sativa 5532.
distribution, senescence, association, photosynthate, Medicago sativa 2446.
distribution, soil, inoculation, Medicago sativa 9485.
DNA-binding protein amino acid sequence 9721.
exopolysaccharides composition, association, growth 7448.
flagellin amino-acid composition, tryptophan residues incidence 11109.
genes, nitrogen fixation, nodulation, gene mapping 1625.
genetic analysis, nodulation, Medicago sativa 8164.
genetic engineering, use plasmids DNA, methodology 6770.
glutamine synthetase, glutamate synthase, glutamate dehydrogenase, enezymatic

Rhizobium melliloti, (continued)
activity regulation, media (culture) 3984.
glutamine synthetase inhibition 3952.
growth, nitrate reduction, denitrification 12464.
growth, nodulation, Medicago sativa, thiram, effects on 3094.
infection, Medicago sativa, association, pectinolytic enzymes 10777.
inoculation, resistance, Corynebacterium insidiosum, association, nitrogen fixation, Medicago sativa 3664.
mannose, transport, catabolism 12439.
Melilotus officinalis, nodules, nitrogen fixation, drought effects on, soils (saline) 1222.
modulation, roots, Medicago laciniata, temperature, effects on 3723.
motility, role, nodulation, competition 3695.
nif gene, homology, Klebsiella pneumoniae 5833.
nif gene mutants, genetic analysis 9835.
nifH gene, nucleotide sequence, nitrogenase characterization 253.
nitrogen fixation, Medicago sativa cultivars effects on 6412.
nitrogen fixation, Medicago sativa, soil pH effects 1182.
nodulation competitiveness, quantitation 10787.
nodulation, genetic control, plasmids, genes 5510.
nodulation, Medicago sativa, association, rhizoplane 9430
nodulation, Medicago sativa, fungicides seed treatments effects on 1187.
nodulation mutants, transposons, nitrogen fixation 9833.
nodulation, role agglutinins Medicago sativa 6417.
plasmid pGV1106 transformation 6735.
polysaccharides, biosynthesis, chemical composition 5804.
polysaccharides, chemical composition 9797.
preferences, association nitrogen fixation, genotypes, Medicago sativa 9482.
ribonucleoside-diphosphate reductase, assays 7552.
strains, competition, nodulation, Medicago 9436.
strains effects on, nodulation, Medicago sativa 6426.
strains identification, antibiotic sensitivity testing 10886.
succinate dehydrogenase deficient mutant, growth 12412.
sulfur, nitrogen, effects on, roots mass, nodulation, nitrogen fixation, Medicago sativa 2451.
survival, soils (acid), pH effects 3709.
symbiosis, auxotrophy, mutants, characterization, genetic analysis, transposon Tn5 mutagenesis 6762.
symbiosis, Medicago sativa, sulfur, nitrogen, effects on nitrogen fixation 13480.

Rhizobium phaseoli,
antibiotic sensitivity testing 9923.
exopolysaccharides composition, association, growth 7448.
host specificity, nodulation, Phaseolus lunatus, Phaseolus vulgaris 10785.
inoculation, phaseolus, nitrogen fixation, soil 12123.
nodulation specificity, Phaseolus coccineus, Phaseolus vulgaris 13504.
nodules, nitrogen fixation, relationship, nitrate reduction, Phaseolus vulgaris 1170.
plasmids, transfer, Rhizobium leguminosarum, nodulation, host range, Phaseolus vulgaris, Pisum sativum 2923.
strains, tolerance, soil pH, acidity 13481.
survival, soils (acid), pH effects 3709.

Rhizobium trifolii,
acid, alkaline, reactions, biochemical analysis, Medicago sativa, Trifolium subterraneum, Leucaena leucocephala, Glycine max, Centrosema pubescens, Crotolaria anagyroides 2579.
antibiotic resistance, streptomycin, nodulation, Trifolium repens 2441.
antibiotic sensitivity testing 9923.
colonization, Trifolium repens seedlings roots 5533.
distribution, agricultural land, factors affecting, Denmark 8206.
exopolysaccharides composition, association, growth 7448.
genomes, linkage gene mapping, use, plasmid R68.45 5881.
β-1,2-glucan, structure, role, nodulation 8636.
growth, nitrate reduction, denitrification 12464.
Hatch-Slack pathway dicarboxylate transport defective mutant, association, nodulation, Trifolium repens 5538.
incidence, soil, New Zealand 1179.
infection, roots, mechanism, ultrastructure, Trifolium repens 2445.
inoculation± nitrogen, effects on, Trifolium alexandrinum, nodulation, yield 1185.
isolation, host specificity, nitrogen fixation 1169.
lipopolysaccharides, binding, lectins, Medicago sativa, role, roots, infection, immunoassays 2630.
mutagens, U.V. radiation, N-nitroso-N-methyl-N'-nitroguanidine, transposons 1598.
mutants, interaction, nodulation, Trifolium repens 5509.
nitrogen fixation, nodulation, fungicides inhibition, Trifolium repens 12131.
nitrogen fixation, nodulation, Trifolium repens, fungicides, effects on 4624.
nodulation, mutants, lipopolysaccharides, sugars 2827.
nodulation, nitrogen fixation, Trifolium repens, Glomus tenuis, phosphorus fertilizers effects on 12152.
nodules, structure, Trifolium pratense, temperature, host plants, selection, effects on 3717.
polysaccharides, biosynthesis, chemical composition 5804.
polysaccharides, chemical composition 9797.
polysaccharides secretion, characterization 6667.
population studies, seasonal variations, USA, North Carolina 3731.
rhizoplane, microflora, Trifolium, seedlings 3715.
rhizoplane, Trifolium, seedlings 3715.
role, Trifolium pratense nitrogen fixation, cultivation 10776.
roots binding, role lectins, Trifolium repens 13483.
soil isolates, host plants specificity, Trifolium, cultural characteristics 9432.
soil levels, nodulation, nitrogen fixation, Trifolium 4641.
strains, variation, nodulation, nitrogen fixation, Trifolium pratense 13472.
succinate nutrient enrichment effects on morphology, presentation, nodulation, electron microscopy 8213.
U.V. radiation sensitivity mutants, isolation, antibiotic resistance, gene mapping 1595.

Rhizoctonia bataticola,
metabolites, antibacterial activity, Escherichia coli, Bacillus subtilis, Staphylococcus aureus 5131.
root rot, biological control, Cicer arietinum 6424.

Rhizoctonia botaticola,
root rot, Vigna radiata, interaction, Rhizobium symbiosis, antagonism 9477.

Rhizoctonia solani,
Bacillus, antagonism, effects on, Pinus nigra, germination 8159.
decay, Daucus carota 4602.
fruit rot, endothall, paraquat, effects on, Cucumis sativa 1151.

Rhizoctonia solani, (continued)
isolates, sheath blight, Oryza sativa, proteins, enzymes, electrophoresis 12557.
susceptibility, Pseudomonas pigments, characterization 5697
Rhizopertha dominica,
mycetome symbionts, antibiotics effects on, diets 10731
Rhizoplane,
association, Rhizobium meliloti, nodulation, Medicago sativa 9430.
bacteria, population changes, Hordeum vulgare, salts, osmotic stress, effects on 4634
nitrogen-fixing bacteria, carbon sources, roots exudates, plant breeding, Zea mays 12119.
Zostera marina, Halodule wrightii, bacteria isolates, heavy metals sensitivity, estuaries, USA, North Carolina 7344
Rhizoplane microorganisms,
bacteria, Zostera marina, chemotaxis, amino acids 1177
Pseudomonas, stimulation, growth, Beta vulgaris, characterization 7325.
Rhizosphere,
bacteria, antibiosis, Pseudomonas, in vitro, effects on, Solanum tuberosum, growth 2427
bacteria, effects on growth, Solanum tuberosum, Raphanus sativus 1213.
bacteria, population changes, Hordeum vulgare, salts, osmotic stress, effects on 4634
bacteria, roots exdudates, population dynamics, nutrient dynamics, crop plants 13462
Bouteloua gracilis, Protozoa, fungi, bacteria, observation methods 4621.
cereals, gnotobiotics, bacteria, growth, interaction 3684.
colonization, population growth, Pseudomonas, Mycoplana, Curtobacterium, gnotobiotics, Hordeum vulgare 4629
Gossypium hirsutum, colonization, Azotobacter, manure soil amendment effects on 5529.
Graminae, Enterobacter cloacae, Klebsiella pneumoniae, nitrogen fixation, enumeration 3685
microflora, Gaeumannomyces graminis var.tritici, Tritium aestivum, urea, benomyl, foliar applications effects on 9474.
microflora, rice, isolation Clostridium, Azospirillum, effects on 2431.
nitrogen fixation, Oryza sativa 7326.
Oryza sativa, carbofuran effects on Nitrosomonas oxidation ammonia compounds 8211.
Oryza sativa, nitrogen fixation, factors affecting 2435.
Oryza sativa, paddy fields, nitrogenase activity, hexachlorocyclohexane effects on 1216.
Picea, sulfur nutrient cycles, sulfate-reducing bacteria, Thiobacillus 10793.
Plantago major, Plantago lanceolata, Plantago coronopus, nitrate, production 3699
plants, free-living nitrogen-fixing bacteria, nitrogen fixation 13463.
Pseudomonas antagonism Gaeumannomyces graminis, take-all, Triticum 7308.
Rhizobium lupini nodulation, Macroptilium atropurpureum, Neonotonia wightii, Lupinus, soil properties effects on 8193.
soil, Clostridium inoculation, enumeration, association, Daucus carota, root rot 10778
soil microorganisms, Areca catechua, manure+fertilizers, effects on 4635
soil, phosphorus levels, phosphate-dissolving bacteria effects on 13495.
soil, phosphorus levels, phosphate-dissolving bacteria effects on 13498.
triticale, microorganisms, bacteria, fungi, water stress, effects on 3704.
Triticum aestivum, bacteria, Gaeumannomyces graminis var.tritici effects on population dynamics 8190.
Vigna mungo, Rhizobium enumeration 2472
Rhizosphere microogranisms,
Triticum seeds, disease control, Pseudomonas putida inoculation 9399.
Rhizosphere microorganisms,
antagonism, Fusarium wilt, Lycopersicon esculentum, Citrullus lanatus 13469.
bacteria, Pisum sativum, foliar applications, antibiotics, gibberellic acid, effects on 10769.
bacteria, powder, effects on Solanum tuberosum, plants growth 8269.
Diplachne fusca, soil isolates nitrogen fixation, Azospirillum 13502.
fungi, bacteria, Plantago lanceolata, abundance, factors affecting 1161
Fusarium oxysporum f.sp.lycopersici interaction, Lycopersicon esculentum wilt 13468.
Fusarium oxysporum f.sp.niveum interaction, association Citrullus lanatus wilt 13470.
pathogenicity, Beta vulgaris, crops, identification, characterization 6431.
roots, exudates, effects on 13510.
symbiosis, Casuarina, nodules, nitrogen fixation 8198
Rhizotonia solani,
antibiotic antagonism, streptomyces, pathogenicity, soil, agar diffusion test 3675.
Rhodococcus,
antigens, characterization, immunoelectrophoresis 10142
chromomycin A3, use, identification, susceptibility 5935.
mitomycin C, identification, use, susceptibility 5967.
Nocardia, Mycobacterium, identification, 5-fluorouracil susceptibility 1786.
oil biodegradation, USSR rivers 13516.
utilization, amides, nitriles 12450.
Rhodococcus amidophilus,
transformation, chemical modification, saframycin, antitumor activity 7737.
Rhodococcus erythropolis,
hydrogen autotrophy, phenotypes, transfer, Nocardia opaca, Corynebacterium hydrocarboclastus 6715.
lipids, physicochemical properties, surfactants, activity 12710.
Rhodomelaceae,
extracts, antifungal activity, antibacterial activity, marine environment 1772.
Rhodomycin,
Streptomyces griseoruber, biosynthesis 8750.
Rhodophyceae,
extracts, antibacterial activity 5141.
Rhodopseudomonas,
hydrogen production 2846.
oil, ground water, ecological distribution 13519.
Rhodopseudomonas acidophila,
comparison, Acinetobacter calcoaceticus, alcohol dehydrogenase (NAD(P)$^+$), specificity 7602.
nitrogen metabolism, glycine, aminotransferase 1545.
Rhodopseudomonas capsulata,
ADP transport, chromatophores 3876.
carotenoids absoprtion, kinetics, membrane potential 8474.
chromatophores, ATP synthesis, coupling mechanisms, electron transfer, protonmotive force, reviews 9670.

Rhodopseudomonas capsulata, (continued)
chromatophores, protonmotive force regulation respiration 12471.
comparison, Chromatium vinosum, Oscillatoria tenuis, cladophora fracta, carbon dioxide reductase, hydrogenase, activity 12594.
cytochrome c oxidase, purification, characterization 11203.
cytoplasmic membranes, protonmotive force, relationship membrane conductance 12312.
electron transport chain, energy transduction, chromatophores, dimethyl sulfoxide, anaerobic conditions 5684.
electron transport, mechanisms 3878.
growth conditions, triethylamine oxide, dimethyl sulfoxide, anaerobic respiration, fermentation 5661.
membrane potential, photosynthesis, respiration, measurement, methodology 2685.
membranes, hydrogenase, kinetics 4897.
membranes, NADH dehydrogenase, isolation, characterization 1552.
nickel effects on hydrogenase activity 4919.
nitric acid uptake, role protonmotive force 12355.
nitrite reductase, isolation, characterization 188.
nitrogen fixation, effects on Oryza sativa growth 2429.
nitrogen fixation, nitrogenase, hydrogenase activity 11212.
nitrogen sources, nitrate, reduction, growth 12410.
nitrogenase activity, genetic control 12623.
, nitrogenase, dissolved oxygen, effects on 1548.
nitrogenase, purification, characterization 6626
superoxide dismutase, catalase, activity, carbon sources effects on 11140.
tricarboxylic acid cycle, association, wild type, mutants 4786.
β-ureidopropionase biosynthesis, ammonia effects on 1547.
xanthine dehydrogenase, purification, characterization, activity 4050.
Rhodopseudomonas gelatinosa,
citrate (pro-3S)-lyase citrate lyase ligase complex, purification, characterization 9770.
citrate (pro-3S)-lyase, deacetylase, substrate specificity, antigenic relationship 211.
citrate (pro-3S)-lyase, subunit structure, structure-activity relationships 9772.
single-cell protein amino acid composition, Glycine max wastewater treatment 6614.
Rhodopseudomonas palustris,
citrate (pro-3S)-lyase, deacetylase, substrate specificity, antigenic relationship 211.
cytochrome c, redox potential 9708
glutamine synthetase, regulation 207.
Rhodopseudomonas sphaeriodes,
chromatophores, protein composition 8481.
reaction centers carotenoids, configurations, Raman spectroscopy 8470.
Rhodopseudomonas sphaeroides,
N-acylphosphatidylserine, purification, characterizaton 7628.
bacteriochlorophyll-protein characterization 3929.
bacteriochlorophylls, biosynthesis, characterization 12496.
bacteriopheophytin ubiquinone electrons transfer, temperature effects 2683.
chlorophyll biosynthesis, association, protoporphyrinogen oxidation 5687.
chromatophores, ATP synthesis, coupling mechanisms, electron transfer, protonmotive force, reviews 9670.
chromatophores, bacteriochlorophylls, redox properties 4790.
chromatophores, membrane fusion, function 11029.
chromatophores, merocyanine dyes effects on membrane potential, spectroscopy 3814.
chromatophores, pH gradients 146.
chromatophores, reaction centers, quinones, bacteriochlorophylls orientation, E.S.R. 3879.
chromatophores, ubiquinone, ubiquinol-cytochrome c reductase, bacteriochlorophylls 4782.
cytoplasmic membranes, penicillin-binding protein, assays 1471.
electron transport, mechanisms 3878.
fluorescence, reaction centers, electron transfer, bacteriochlorophylls, quinones 6551.
glutamine synthetase, enzymatic activity, regulation, in vivo 1537.
growth rate, cell density, turbidity, measurements 10987.
heme c, protoheme, levels, absorption spectroscopy 2845.
3-hydroxybutyrate dehydrogenase, malate dehydrogenase, purification, methodology 9754.
isolation, hot springs, USSR, characterization 13518.
membranes, phospholipid composition, light intensity effects on 8376.
nitrogen sources, nitrate, reduction, growth 12410.
nutrient requirements, iron effects on growth 12434.
photosynthesis, acceptors quinone complex, association, oxidation-reduction potential 8472.
photosynthesis, carotenoids, Raman spectroscopy, methodology 12487.
photosynthesis membranes, phospholipids, topography 1568.
photosynthetic apparatus, reaction centers, iron sites, X-ray absorption 6558.
plasmid pUI81, use, induction genes transformation 12854.
proteolipids complex, electron transport 11242.
purification, characterization, cytochrome c oxidase 11143.
purple membranes, reaction centers proteins, N-terminus amino acid sequence 11123.
reaction centers, bacteriochlorophylls triplet state fluorescence 3870.
reaction centers, electrons transfer, lipid bilayers 6559.
reaction centers, fine structure mapping, X-ray absorption 8478.
reaction centers, photosynthesis, E.S.R. 140.
reaction centers polypeptides, topography 1414.
recombination dynamics, photosynthesis 12486.
thylakoids proteins, characterization, photosynthesis 3947.
thylakoids proteins, purification, role, photosynthesis 3946.
ubiquinol-cytochrome c reductase, purification, characterization 11154.
Rhodopseudomonas spheroides,
aerobic conditions, effects on tritium, uptake 8466.
Rhodopseudomonas viridis,
bacteriochlorophyll b, charactorization, spectroscopy 139.
peptidoglycans, structure 5796.
photosynthesis, reaction centers, electron transfer 12491.
purification, crystallization, photosynthesis reaction centers 9725.
reaction centers, bacteriochlorophylls triplet state fluorescence 3870.
reaction centers, orientaton magnetic fields optical properties, chlorophyll b 8475.
thylakoids, freeze-fracture electron microscopy 1413.

Rhodopsin,
pigments identification, photocycles, Halobacterium halobium 12498.
Raman spectroscopy, purple membranes, Halobacterium halobium 6547.
reconstitution, vesicles, Raman spectroscopy β-carotene, membrane potential, Halobacterium halobium 6546.
retina, interaction retinal analogs 3873.
Rhodospirillaceae,
photosynthetic membranes biosynthesis, reviews 8473.
Rhodospirillales,
membrane structure, differentiation, growth conditions, electron transport, phototrophic bacteria 8469.
Rhodospirillineae,
nutrient requirements, iron effects on growth 12434.
Rhodospirillum fulvum,
glucose-1-phosphate adenylyltransferase, purification, characterization 191.
Rhodospirillum molischianum,
cytochrome c, spectroscopy relationship structure 12478.
ferricytochrome C, crystallography 3884.
glucose-1-phosphate adenylyltransferase, purification, characterization 191
Rhodospirillum photometricum,
growth, light effects 2639.
Rhodospirillum rubrum,
biosynthesis, citrulline, carbamoyl phosphate 12560.
boric acid, aminophenylboronic acid effects on dinitrogenase reductase, inhibition 1526
calcium transport, chromatophores 3819.
chromatophores, adenosinetriphosphatase activation, nucleotides binding, magnesium effects on 6554.
chromatophores, adenosinetriphosphatase activation, protonmotive force, ADP binding 6553.
chromatophores, adenosinetriphosphatase, role subunits protons uptake, ATP biosynthesis 6557.
chromatophores, ATP synthesis, coupling mechanisms, electron transfer, protonmotive force, reviews 9670.
chromatophores, bacteriochlorophylls, redox properties 4790.
chromatophores, light-harvesting proteins, amino acid sequence 2731.
chromatophores, membrane potential effects on luminescence 5686.
chromatophores, membrane potential production 12281.
chromatophores, pH, membrane potential assays 3825.
chromatophores, quinone effects on photochemistry 7851.
chromatophores, reaction centers rotation mobility, linear dichroism 3880.
cytochrome c, redox potential 9708.
electric fields effects on polarization membranes, role membrane proteins 12297.
ferredoxin, purification, characterization 3936.
glucose-1-phosphate adenylyltransferase, purification, characterization 12632.
glutamate synthase (NADPH), association, membranes, characterization 1502.
glutamine synthetase activity 9727.
hydration effects on electron transport, chromatophores 12475.
mixed culture, Klebsiella pneumoniae, immobilized cells, hydrogen production 236.
NADH, effects on cytochrome b, reduction, chromatophores 1415.
nitrogenase activation enzymes, isolation, characterization 2774.
nitrogenase activity, nitrogen sources effects on 9787.
, nitrogenase, dissolved oxygen, effects on 1548.
nitrogenase, iron protein, purification, characterization 11105.
nitrogenase, iron proteins, inactivation, characterization 4927.
nitrogenase, purification, characterization 9746.
photosynthesis mutants, electron transport, E.S.R. 4773.
photosynthetic apparatus, chromatophores, I.R. spectroscopy 12489.
reaction centers, chromatophores membranes, proteins organization, cross-linking 3921
ribulosebisphosphate carboxylase, active sites, chemical modification, diethyl pyrocarbonate 7571.
ribulosebisphosphate carboxylase, kinetics 2751.
ribulosebisphosphate carboxylase, purification, characterization 7548.
ribulosebisphosphate carboxylase, 2-bromo-1, 5-dihydroxy-3-pentanone 1,5-bisphosphate affinity labelling, inhibition activity 6638.
ribulosebisphosphate carboxylase, 2-N-chloroamino-2-deoxypentitol 1,5-bisphosphate photoaffinity labelling 11178.
Rhodospirillum sphaeroides,
electric fields effects on polarization membranes, role membrane proteins, Rhodospirillum rubrum 12297.
Rhodospirillum tenue,
glucose-1-phosphate adenylyltransferase, purification, characterization 191.
Rhodospirillum vubrum,
growth conditions, triethylamine oxide, dimethyl sulfoxide, anaerobic respiration, fermentation 5661.
Rhodotorula glutinis,
lysis, role, soil microorganisms 12153.
Rhytophthora megasperma,
antibiotic antagonism, streptomyces, pathogenicity, soil, agar diffusion test 3675.
Ribitol dehydrogenase,
association, genes duplication nucleotide sequence, Klebsiella aerogenes mutants 12771.
mRNA purification, characterization, cell-free system mRNA, Klebsiella aerogenes 11076.
Riboflavin,
analogs, Escherichia coli, growth, susceptibility 12909.
5-O-(β-**D-Ribofuranosyl)apramycin,**
synthesis, antibacterial activity 9940.
N-[(9-β-**D-Ribofuranosyl-2-methylthiopurin-6-yl)carbamoyl]threonine,**
identification, tRNA Lys, Bacillus subtilis 2716.
Ribonuclease,
iodoacetate, iodoacetamide alkylation, effects on activity, Stretomyces erythreus 3949.
Lysobacter enzymogenes, purification, characterization 1517.
Naja oxiana, enzymes sensitivity, mediation, Escherichia coli elongation factor Tu, association, aminoacyl-tRNA synthetase 4828.
Streptomyces aureofaciens, binding, ribosomes, purification, characterization 4017.
Ribonuclease D,
purification, characterization, Escherichia coli 3914.
substrate specificity, Escherichia coli 3906.
Ribonuclease E,
processing tRNA precursors, Escherichia coli 6579.
role rRNA 5S precursors processing, Escherichia coli 11075.
Ribonuclease F,
substrate specificity, Escherichia coli 11085.
Ribonuclease H,
role initiation plasmid ColE1, plasmid CloDF13, factor RSF1030 DNA biosynthesis, cell-free system, Escherichia coli 4141.
Ribonuclease III,
association, mRNA translation, phage T7 mutants, gene expression, regulation, Escherichia coli 5011.
Escherichia coli, phage T4 tRNA, activity 5012.
Ribonucleoproteins,
Salmonella typhi, immunogenicity, vaccination, mice 9034.
Ribonucleoside triphosphate reductase,
Lactobacillus leichmannii, hydrogen bonds, mechanisms 8602.
Ribonucleoside-diphosphate reductase,
active sites, Escherichia coli 11083.
assays, Rhizobium meliloti 7552.
Escherichia coli, activity,
glutaredoxin binding, glutathione derivatives inhibition, Escherichia coli 11149.
Ribonucleotide reductase,
association, cobalamin, localization, Propionibacterium shermanii, cells 12674.
Raman spectroscopy, iron, centers, Escherichia coli 7569.
Ribose-binding protein,
biosynthesis, secretion, Escherichia coli 6598.
Ribose-5-phosphate,
binding ribosephosphate pyrophosphokinase, characterization allosteric properties, Salmonella typhimurium 8559.
Ribosephosphate pyrophosphokinase,
ATP, ADP, ribose-5-phosphate binding, characterization allosteric properties, Salmonella typhimurium 8559.
Ribosomal protein B-L13,
ribosomal protein B-L8 complex, purification, crystallization, Bacillus stearothermophilus 4818.
Ribosomal protein B-L8,
ribosomal protein B-L13 complex, purification, crystallization, Bacillus stearothermophilus 4818.
Ribosomal protein BL10,
amino acid sequence, secondary structure, ribosomal subunit 50S, Bacillus stearothermophilus 4817.
Ribosomal protein L7/L12,
amino acid sequence, Streptomyces griseus 7524.
Escherichia coli, chemical modification, association succinic anhydride 11110.
Escherichia coli, conformation 167.
fluorescence labelling, ribosomes reconstitution, Escherichia coli 7516.
ribosomal subunit 50S, purification, characterization, Escherichia coli 3900.
ribosomal subunit 50S, rRNA, structure, bacteria 8508.
ribosomes localization, fluorescence energy transfer, Escherichia coli 7515.
mRNA translation, ribosomal protein L10 inhibition, Escherichia coli 7510.
self-association, Escherichia coli 1450.
Ribosomal protein L1,
detection, localization, ribosomal subunit 50S, Escherichia coli 6590.
Ribosomal protein L10,
fluorescence labelling, ribosomes reconstitution, Escherichia coli 7516.
inhibition ribosomal protein L7/L12, ribosomal protein L10 mRNA translation, Escherichia coli 7510.
ribosomes localization, fluorescence energy transfer, Escherichia coli 7515.
Ribosomal protein L11,
Escherichia coli, binding, rRNA 23S 3908.
rRNA 23S complex, micrococcin binding, inhibition protein biosynthesis, Streptomyces azureus 4157.
tertiary structure, N.M.R., Escherichia coli 2707.
Ribosomal protein L17,
ribosomal protein L2 tRNA complex, binding tRNA, Escherichia coli 5711.
Ribosomal protein L18,
binding rRNA 5S, Escherichia coli, Bacillus stearothermophilus 6581.
interaction rRNA 5S fragments, Escherichia coli 3902.
Ribosomal protein L2,
ribosomal protein L17 tRNA complex, binding tRNA, Escherichia coli 5711.
Ribosomal protein L25,
binding rRNA 5S, Escherichia coli, Bacillus stearothermophilus 6581.
interaction rRNA 5S fragments, Escherichia coli 3902.
Ribosomal protein L29,
tertiary structure, hydrodynamics, ultracentrifugation, C.D., Escherichia coli 11113.
Ribosomal protein L3,
interaction rRNA 5S, yeasts, comparison prokaryotes 8505.
Ribosomal protein L30,
tertiary structure, hydrodynamics, ultracentrifugation, C.D., Escherichia coli 11113.
Ribosomal protein L31,
Escherichia coli, mutants, rpmE gene, gene mapping 1600.
Ribosomal protein S1,
genes, DNA nucleotide sequence, Escherichia coli 5822.
localization, Escherichia coli ribosomal subunit 30S 3904.
localization RNA binding domains Escherichia coli, 3923.
Ribosomal protein S10 operon,
operons, Escherichia coli, nucleotide sequence 12514.
Ribosomal protein S12,
association, elongation factor G, localization, ribosomes, Escherichia coli 8503.
Ribosomal protein S4,
conformational analysis, X-ray scattering, Escherichia coli 1480.
Ribosomal protein S7,
secondary structure, tertiary structure, N.M.R., C.D., Escherichia coli 4815.
Ribosomal proteins,
alteration, Escherichia coli, tiamulin resistant mutant, biochemical analysis, genetic analysis 12934.
amino acid sequence, Micrococcus luteus, comparison ribosomal protein L12 Escherichia coli, Bacillus subtilis, Halobacterium cutirubrum, Saccharomyces cerevisiae, Artemia salina 2712.
Bacillus subtilis, Micrococcus lysodeikticus, physicochemical properties, C.D., hydrodynamics 12550.
Bacillus subtilis, mutants, streptomycin, antibiotic resistance 12925.
binding ribosomal proteins mRNA, inhibition translation, Escherichia coli 12542.
binding RNA, tRNA, Escherichia coli 11086.
chemical modification, mRNA binding sites, Escherichia coli 1447.
comparison, Escherichia coli, Bacillus stearothermophilus, immunochemistry 4826.
cross-linkage, termination factor 2, binding sites, ribosomes, Escherichia coli

Ribosomal proteins, (continued)
11078.
cross-linking, rRNA, radiation, correlation uridine 5'-phosphate dimers, Escherichia coli 5724
cross-linking rRNA 16S, ribosomal subunit 30S, use 4-azido-2,3,5,6-tetrafluoropyridine, 4-azido-3,5-dichloro-2,6-difluoropyridine, Escherichia coli 6595
crystallization, Escherichia coli, Bacillus stearothermophilus 3905
dimethylmaleic anhydride induction dissociation, ribosomal subunit 50S, Escherichia coli 9678.
distribution, scanning electron microscopy, Escherichia coli 3943
Escherichia coli, complex, rRNA, methodology 2697.
Escherichia coli, localization, ribosomal subunit 30S 3903
Escherichia coli ribosomes tRNA Phe binding sites 11071
genes, elongation factor Tu, elongation factor G levels effects on gene expression, Escherichia coli 6576
genes, Escherichia coli, amber mutant, transcription regulation 4982
interaction rRNA 5S, affinity chromatography, Escherichia coli 12525
isolation, characterization, Escherichia coli, ribosomal subunit 30S 11072.
Methanobacterium bryantii, bacteria, yeasts, antigenic characteristics, taxonomic significance 1481.
purification, physicochemical properties, Streptomyces granaticolor, comparison Escherichia coli 4819
role protein biosynthesis, ribosomal subunit 50S, Bacillus stearothermophilus 4809
Streptococcus pneumoniae, Klebsiella pneumoniae, antigenicity 6117.
Ribosomal subunit 30S,
binding rRNA 16S, Escherichia coli 12543.
Escherichia coli, ribosomal protein S1 localization 3904.
Escherichia coli, ribosomal proteins localization 3903.
interface, ribosomal subunit 50S, proteins, identification, Escherichia coli 8507
Micromonospora purpurea, role, antibiotic resistance 10000.
physicochemical properties, Escherichia coli 9689.
ribosomal proteins cross-linking rRNA 16S, use 4-azido-2,3,5,6-tetrafluoropyridine, 4-azido-3,5-dichloro-2,6-difluoropyridine, Escherichia coli 6595
rRNA, ribosomal proteins, isolation, characterization, Escherichia coli 11072.
rRNA 16S, conformation, hydrodynamics shape, bacteria 4806.
rRNA 16S, topology, Escherichia coli 6584
Ribosomal subunit 50S,
assembly, reconstitution, Escherichia coli 11065
dimethylmaleic anhydride induction ribosomal proteins dissociation, Escherichia coli 9678
electron microscopy, Escherichia coli 12541
Escherichia coli, structure, models, X-ray scattering 5719.
interface, ribosomal subunit 30S, proteins, identification, Escherichia coli 8507
localization, ribosomal protein L1, Escherichia coli 6590.
ribosomal protein BL10, amino acid sequence, secondary structure, Bacillus stearothermophilus 4817
ribosomal protein L7/L12, purification, characterization, Escherichia coli 3900
ribosomal protein L7/L12, rRNA, structure, bacteria 8508.
rRNA 23S conformation, Escherichia coli 4822
rRNA 5S, role tRNA binding, protein biosynthesis, Escherichia coli 7512.
role ribosomal proteins protein biosynthesis, Bacillus stearothermophilus 4809.
Ribosomal subunits,
Escherichia coli, association kinetics, inhibition initiation factor 3 6589
Escherichia coli, intermediates characterization 4824
interaction, thermodynamics, Escherichia coli 5715.
3'-terminus, localization, rRNA 5S, rRNA 23S, rRNA 16S, Escherichia coli 2705
Ribosomes,
acetone inactivation, Escherichia coli 2750.
amidase, purification, characterization, Lactobacillus casei 4937
binding effects on tRNA Phe conformation, fluorescence, Escherichia coli 6582.
binding, ribonuclease, purification, characterization, Streptomyces aureofaciens 4017.
biosynthesis, Escherichia coli, regulation, gene expression, growth rate, dependence 1446.
complex elongation factor Tu, tRNA interaction, aminoglycoside antibiotics, effects on GTP hydrolysis, Escherichia coli 3913.
elongation factor G binding, fluorescence polarization, tryptophan chemical modification effects on, Escherichia coli 12530.
Escherichia coli, binding, tetrahydroleucomycin, leucomycin derivatives effects on 7517.
Escherichia coli, binding yeasts tRNA Phe, kinetics, fluorescence 6578.
Escherichia coli interaction tRNA Phe, Saccharomyces carlsbergensis, conformational analysis 6574.
Escherichia coli, proteins release, dimethylmaleic anhydride induction, role, antibiotics, elongation factor G 11090.
Escherichia coli, recognition sites, role regulation translation, cloning, genetic engineering 12536.
Escherichia coli, tetrahydroleucomycin binding, antibacterial activity 11089.
Escherichia coli, tRNA 3'-terminus, binding sites, peptidyltransferase 9688
Escherichia coli, tRNA binding sites, chloramphenicol, effects on 2711.
Escherichia coli, tRNA Phe binding sites ribosomal proteins 11071.
Escherichia coli, tRNA Phe, interaction, phosphorus analogs, pA-(AcMetGly) 177.
N-formylmethionyl-tRNA binding, inhibition, association factor I, protein biosynthesis, Bacillus stearothermophilus 9690
initiation factor 3 cross-linking, characterization binding sites, effects on conformation, U.V. spectroscopy, Escherichia coli 12532.
kirromycin effects on protein biosynthesis, bacteria 11079.
Klebsiella pneumoniae, antigenicity, mice 620.
Klebsiella pneumoniae, carbohydrate composition, lipid composition 1444.
Klebsiella pneumoniae, polysaccharides, antigenic relationship, vaccines 3244.
localization, elongation factor, Escherichia coli 165.
localization, elongation factor G, association, ribosomal protein S12, Escherichia coli 8503.
localization ribosomal protein L7/L12, ribosomal protein L10, fluorescence energy transfer, Escherichia coli 7515.
Methanugenic bacteria, protein composition 12554.
+mRNA+tRNA, translocation, mechanisms, protein biosynthesis 8498.
Neisseria gonorrhoeae, vaccination, immunity, guinea-pigs 10248.
nucleotide sequence tRNA Val binding sites, rRNA 16S, cross-linking, Escherichia coli 12529.
Pasteurella multocida, antigenicity, mice 621.

Ribosomes, (continued)
poly(U) complex, tRNA binding effects on structure, E.S.R., Escherichia coli 4810.
poly(lysine) biosynthesis, Escherichia coli 6580.
protein biosynthesis inhibition, thermorubin role, mechanisms, Escherichia coli 6592.
proteins emergence domains, Escherichia coli 7507.
puromycin analogs photoaffinity labelling, Escherichia coli 12527.
puromycin analogs photoaffinity labelling, Escherichia coli 12528.
reconstitution, fluorescence labelling ribosomal protein L7/L12, ribosomal protein L10, Escherichia coli 7516.
release factors, purification, characterization, effects on translation, Escherichia coli 3916.
ribosomal proteins, binding sites, cross-linkage, termination factor 2, Escherichia coli 11078.
rRNA 16S structure, Escherichia coli 5714.
rRNA 18S, Saccharomyces cerevisiae, cross-linking acetylvalyl-tRNA, Escherichia coli, structure determination 9685.
tRNA binding, effects on elongation factor G, Escherichia coli 11077.
tRNA binding, Escherichia coli 11070.
tRNA binding sites localization, fluorescence, Escherichia coli 11068.
tRNA binding, ultracentrifugation, Escherichia coli 3901.
tRNA fMet initiation mechanisms, Escherichia coli 11074.
tRNA Phe cross-linking, Escherichia coli 7518.
Staphylococcus aureus, binding 3-O-acetyl-4''-O-isovaleryltylosin 12918.
Streptococcus pneumoniae, Klebsiella pneumoniae, antigenicity 6117.
Streptomyces erythreus, protein biosynthesis, role antibiotic resistance, erythromycin 7840.
Streptomyces tenjimariensis, role, antibiotic resistance, istamycins, biosynthesis 3068.
structure, evolution, models, rRNA 5S ribosomal protein L3 interaction, yeasts, comparison prokaryotes 8505.
structure, tRNA binding effects on, E.S.R., Escherichia coli 4810.
thermorubin binding, fluorescence, Escherichia coli 7523.
Ribulokinase,
biosynthesis, Alcaligenes eutrophus, autotrophy metabolism, association, heterotrophy growth 8561.
Ribulose bisphosphate carboxylase,
mechanisms, 2-carboxyarabinitol bisphosphate interaction, Chromatium vinosum 4923.
Ribulose-1,5-biphosphate carboxylase,
carbon assimilation, Methylococcus capsulatus, characterization 5762.
Ribulosebiphosphate carboxylase,
Alcaligenes eutrophus, derepression, growth conditions 5776.
biosynthesis, Alcaligenes eutrophus, autotrophy metabolism, association, heterotrophy growth 8561.
organelles, Pseudomonas thermophila, characterization 12676.
Ribulosebisphosphate carboxylase,
active sites, chemical modification, diethyl pyrocarbonate, Rhodospirillum rubrum 7571
2-N-chloroamino-2-deoxypentitol 1,5-bisphosphate photoaffinity labelling, Rhodospirillum rubrum 11178.
Chromatium vinosum, purification, methodology 1498.
kinetics, Rhodospirillum rubrum 2751.
purification, characterization, Rhizobium japonicum 7611.
purification, characterization, Rhodospirillum rubrum 7548.
Rhodospirillum rubrum, 2-bromo-1, 5-dihydroxy-3-pentanone 1,5-bisphosphate affinity labelling, inhibition activity 6638.
Rice,
isolation, Clostridium, Azospirillum, effects on rhizosphere microflora 2431.
koji, bacteria± Aspergillus oryzae culture 124.
Rickettsia,
antigens, immune response, etiology, arteritis, man 578.
bacteria presentation, phony disease, peaches, scald, plums, etiology 6402.
clinical aspects, isolation, identification, serological tests, man 10914.
Dermacentor andersoni isolates, serotyping, USA, Montana 49.
etiology, pneumonia, man 789.
exanthematous typhus, pathology, prognosis, man 9312.
experimental infection, Ornithodoros moubata, pathogenicity, guinea-pigs 13416.
infection, immunodiagnosis, man 11528.
Rocky Mountain spotted fever, Acarina vectors, Mammalia hosts, USA, California 1031.
serotyping 9572.
serotyping, pathogenicity, spotted fevers, animals 13411.
Rickettsia akari,
antigenic relationship, Rickettsia, erythema isolates, man 13001.
Ornithodoros moubata experimental infection, disease resistance 13417.
Rickettsia burnetti,
bone infection, man 9300.
Rickettsia connori,
infection, man, rickettsiosis, pathology, characterization, case reports 9273.
Rickettsia conori,
hepatitis, diagnosis, man 13286.
Rickettsia conorii,
Rhipicephalus senguineus, transmission, exanthematous typhus, man, case reports 2204.
Rickettsia montana,
Dermacentor andersoni isolates, serotyping, USA, Montana 49.
Rickettsia prowazeki,
infection, guinea-pigs, macrophages function, guinea-pigs, Rickettsia prowazeki infection macrophages function 561.
Rickettsia prowazekii,
antibodies, incidence, man, Nepal 2277.
citrate (si)-synthase, purification, activity, characterization 6627.
epidemic typhus, incidence, treatment, diagnosis, disease reservoir, Glaucomys volans, man, USA 2244.
experimental infection, Glaucomys volans, Arthopoda vectors 1135.
isolates, infectivity, purification, density gradients, centrifugation 2607.
survival, interaction, phospholipase A, infection, L Cells immune response 11596.
typhus, antigens isolation, enzyme-linked immunosorbent assay, diagnosis 1845.
vaccination, reviews 10260.
Rickettsia rhipicephali,
Dermacentor andersoni isolates, serotyping, USA, Montana 49.
Rickettsia rickettsii,
Dermacentor andersoni isolates, serotyping, USA, Montana 49.
isolation, incidence, Dermacentor variabilis, Peromyscus leucopus, Procyon lotor,

Rickettsia rickettsii, (continued)
  USA, Connecticut 1004.
  rickettsialpox, clinical aspects, treatment, man, case reports 2249.
  Rocky Mountain spotted fever, association, Kawasaki disease, man, case reports 4485
  Rocky Mountain spotted fever, case reports, man 744.
  Rocky Mountain spotted fever, conjunctiva hemorrhage, association, diagnosis, treatment, man 9287.
  Rocky Mountain spotted fever, cytopathology, man, case reports 13349.
  Rocky Mountain spotted fever, dogs, case reports 7249.
  Rocky Mountain spotted fever, incidence, association, public health, diagnosis, treatment, man 7191.
  Rocky Mountain spotted fever, infection, diagnosis, serum, man, gas-liquid chromatography 2288.
  Rocky Mountain spotted fever, lesions, clinical aspects, man 1944.
  Rocky Mountain spotted fever, subclinical infection, serological surveys, children, man 6276.
  virulence, association, Dermacentor andersoni, physiology, ultrastructure, electron microscopy 9383.
Rickettsia sennetsu,
  antigenic relationship, Ehrlichia canis 6046.
Rickettsia slovaca,
  experimental infection, virulence, mice 1109.
Rickettsia tsutsugamushi,
  antibodies, serum, pregnancy, fetuses, man 577.
  antigenic characteristics, classification, Trombiculidae isolates, Malaysia 1867.
  experimental infection, hypersensitivity (delayed), mice 5215.
  infection, Rattus rattus, Rattus exulans, Leptotrombidium akamushi, man, New Hebrides 1034.
  isolation, infection, Trombiculidae, Thailand 10732.
  murine typhus, epidemiology, Indonesia 13338.
  nuclei localization, growth, L cells culture 7440.
  penetration, leukocytes (polymorphonuclear), phagocytosis, factors affecting 10230
  purification, density gradients centrifugation 7373.
  seroepidemiology, Macaca fascicularis, Malaysia 1076.
  spotted fevers, guinea-pigs, Ornithodoros moubata, spotted fevers, transmission 13384
Rickettsia typhi,
  infection, man, rickettsiosis, pathology, characterization, case reports 9273.
  murine typhus, epidemiology, Indonesia 13338.
  typhus, antigens isolation, enzyme-linked immunosorbent assay, diagnosis 1845.
Rickettsia-like organisms,
  infection, pathology, Trichoplusia ni 8131.
  infection, Sorghum halepense, antigenic relationship, phony disease 9406.
  phony disease, isolation, density gradients centrifugation, plant extracts, Prunus persica 5503.
  Pierce's disease, Vitis rotundifolia, characterization, USA, North Carolina 9391.
Rickettsiae,
  lipopolysaccharides, effects on, platelets, leukocytes, man, rabbits 4297.
Rickettsiales,
  taxonomy 8334.
Rickettsialpox,
  clinical aspects, treatment, man, case reports 2249.
Rickettsiella,
  pathogens, Rivulogammarus pulex, pathogenesis, electron microscopy, staining 12083.
Rickettsiosis,
  man, infection, Rickettsia connori, Rickettsia typhi, Coxiella burnetti, pathology, characterization, case reports 9273.
  pathology, diagnosis, man, reviews, Europe 13341.
Rifampacin,
  prophylaxis, Haemophilus influenzae infection, association, saliva, serum levels, man 11990.
Rifampicin,
  ± ampicillin, ± streptomycin, treatment, pyelonephritis, Streptococcus faecalis, animal models 862.
  antibacterial activity, Legionella micdadei, in vitro 9932.
  antibacterial activity, Mycobacterium avium-intracellulare 7804.
  antibacterial activity, Mycobacterium tuberculosis, Streptococcus pyogenes, Streptococcus pneumoniae, Klebsiella pneumoniae, in vivo, in vitro 4188.
  antibiotic resistance+drug resistance, isoniazid, Mycobacterium tuberculosis clinical isolates 4199.
  antibiotic resistance, mutation, Haemophilus influenzae 9986.
  antibiotic resistance, Staphylococcus aureus, burn patients 8793.
  antibiotic resistance, Staphylococcus aureus, relationship virulence, mice 8815.
  antibiotic sensitivity testing, Bordetella pertussis, clinical isolates 7769.
  antibiotic sensitivity testing in vitro, Brucella melitensis clinical isolates 11383.
  antibiotic sensitivity testing, Listeria monocytogenes clinical isolates 5968
  antibiotic sensitivity testing, Mycobacterium 5947.
  antibiotic sensitivity testing, Streptococcus group D clinical isolates 5905.
  Bacillus subtilis resistant mutant, genetic analysis, RNA polymerase activity 12787.
  binding RNA polymerase, C.D., mechanisms, Escherichia coli 7586.
  biosynthesis, Streptomyces mediterranei, characterization, bacteria infection, treatment, man 11368.
  carbon tetrachloride, treatment, Mycobacterium avium, experimental infection, rabbits 3615.
  drug resistance, Haemophilus influenzae type b, meningitis, children, disease transmission, prophylaxis 8856.
  Haemophilus influenzae, resistance, association antibiotics treatment 8795.
  Haemophilus influenzae resistant mutant, development 5953.
  induction pseudomembranous colitis, man, Clostridium difficile infection, case reports 13166.
  inhibition, protein biosynthesis, Escherichia coli 1465.
  inhibition RNA polymerase, mechanisms, Escherichia coli 9684.
  +isoniazid, ± ethambutol, treatment, lung tuberculosis, man 9107
  +isoniazid, treatment, tuberculosis, isoniazid inactivation, association, urinalysis, man 10477.
  +lamprene+dapsone, treatment, leprosy, man 4362.
  +media (selective), enumeration, isolation, actinomycetes, soil microorganisms 2514.
  ± minocycline, prophylaxis, meningitis, man, Arctic 3410.
  ± minocycline, Staphylococcus aureus, antibiotic resistance, methicillin, gentamicin, antibacterial activity 1733.

Rifampicin, (continued)
  resistance, RNA polymerase, activity, Clostridium acidiurici 9729.
  spirochetes, isolation, enumeration, salt marshes 4653.
  +streptomycin+isoniazid, treatment, paratuberculosis, goats 8112.
  +tetracyclines, treatment, brucellosis, man 10479.
  topical application, treatment, Chlamydia trachomatis, infection, eye, man 3445.
  treatment, gonorrhea, man 5346.
  treatment, leprosy, man 13083.
  treatment, Mycobacterium tuberculosis meningitis, man, case reports 888.
  treatment, Staphylococcus infection, mice, effects on enzymes activity 10668.
  treatment, tuberculosis, man 13251.
  treatment, tuberculosis, man, Denmark 12010.
  +trimethoprim, antibacterial activity, Escherichia coli, Klebsiella 372.
  +trimethoprim, pharmacokinetics, effects on microflora, man 5267.
  +trimethoprim, serum levels, effects on microflora, treatment, urinary tract infection, man 3267.
  trimethoprim, urinary tract infection treatment, comparison, cotrimoxazole, man 2065.
  +vancomycin, antibacterial activity, Staphylococcus aureus 369.
  +vancomycin, treatment, meningitis, Staphylococcus epidermidis, man, case reports 885.
Rifampin,
  effects on enzymatic synthesis, nitrate reductase, Escherichia coli 6634.
Rifamycin,
  +aminoglycoside antibiotics+ethionamide, ethambutol, antibiotic sensitivity testing, Mycobacterium 5906.
  antibacterial activity, gram-negative bacteria, clinical isolates 1706.
  antibacterial activity, Staphylococcus aureus, Staphylococcus epidermidis, in vitro, agitation effects on 5096.
  +antibiotics, antibacterial activity, Staphylococcus 3034.
  +antibiotics, treatment, mycobacteriosis, Mycobacterium kansasii, lung, man 6165.
  binding proteins, Escherichia coli, isolation, affinity chromatography 2744.
  derivatives, antibacterial activity, structure 3035.
  synthesis, chemical modification, structure, antibacterial activity 7805.
  treatment, burn infection, man 982.
  treatment, endocarditis, Staphylococcus aureus, children, case reports 11946.
  treatment, mycobacteriosis, Mycobacterium kansasii, lung, man 6166.
  treatment, tonsillitis, Neisseria meningitidis, man, case reports 791.
Rifamycin B,
  Nocardia mediterranei, biosynthesis 7741.
Rifamycin L,
  Nocardia mediterranei, biosynthesis 7741.
Rifamycin Z,
  antitumor agents, Nocardia mediterranei, biosynthesis, structure 2965.
Rifamycins,
  +ampicillin, inhibition, antibacterial activity 9977.
  Nocardia mediterranei, isolation, structure 7728.
  Nocardia mediterranei, recombinants, biosynthesis, structure 2980.
Ring rot,
  Solanum tuberosum, bacteria, cross-reactivity, Corynebacterium sepedonicum antisera 13447.
Risk factors,
  association, occurrence, nosocomial infection, clinical aspects, man 10537.
  complications, nosocomial infection, steel syringes, comparison, teflon catheters, man 11875.
  infection, trauma, diagnosis, man, etiology 11880.
  keratoconjunctivitis, Moraxella bovis, cattle 4592.
  Legionnaire's disease, nosocomial infection, Legionella pneumophila, epidemiology, man 10354.
  nosocomial infection, antibiotic prophylaxis, etiology, man 11921.
  nosocomial infection, gentamicin antibiotic resistance gram-negative bacilli, bacteremia, man 1020.
  nosocomial infection, gram-negative bacilli, neonates, man 11924.
  nosocomial infection, incidence, epidemiology, man, USA 10522.
  nosocomial infection, incidence, man 11879.
  nosocomial infection, intensive care units, patients, interaction, man 11925.
  nosocomial infection, speticemia, meningitis, etiology, disease control, neonates, man 11869
  nosocomial infection, urinary tract, Escherichia coli, etiology, man 10403.
  nosocomial infection, urinary tract infection, association, catheters, females, man 10405.
  postoperative infection, association, immune system, environmental effects, man 13258.
  postoperative infection, man, hospitals 10555.
  postoperative infection, pneumonia, diagnosis, etiology, man 11702.
  postoperative infection, statistical analysis, man, hospitals 10523.
  Staphylococcus aureus colonization, vagina, man 10409.
  toxic shock syndrome, association, catamenial products use, health, hygiene, sexual behavior, man 10125.
  toxic shock syndrome, man, USA, Oregon 11489.
  toxic shock syndrome, man, USA, statistical analysis 10107.
  toxic shock syndrome, statistical analysis, man, USA 10120.
  wound infection, surgery, Staphylococcus aureus, camparison, nosocomial environments, man 10599.
Risks,
  botulism, fish, vacuum packaging 5338.
  infection, association, multiple myeloma chemotherapy, man 9204.
  nosocomial infection, association, intensive care units, medical equipment, man, hospitals 10532.
  nosocomial infection, control programs, hospitals, surveys, man 10590.
  nosocomial infection, hospitals, man, surveys 10570.
  nosocomial infection, surveys, hospitals, man 10587.
  postoperative infection, Staphylococcus aureus, man, case surveys 10568.
  urinary tract infection, Escherichia coli, Proteus mirabilis, ileovesical diversion, dogs 5463.
River water,
  bacteria enumeration 1281.
Rivers,
  Canada, bacterioplankton, pulp wastes, pollution effects 2494.
  Canada, hydrocarbons, biodegradation, heterotrophic microorganisms, sediments 8223.
  comparison, sewage, isolation, Bdellovibrio, host range, morphology 10930.
  Czechoslovakia, freshwater pollution, agricultural runoff, Myxobacteria, Pseudomonas aeruginosa, 1186.
  detritus, bacterioplankton, characterization, environmental stress 6444.
  diurnal variations, bacteria, diurnal variations, genetic analysis 2491.

Rivers, (continued)
epidemiology, Chromobacteria 1245
Finland, pollution effects, industrial effluents, paper mills, metabolism, heterotrophic bacteria 12184.
freshwater microorganisms, denitrification 12403
Germany, Fed. Rep., salinity effects on heterotrophic bacteria 12169.
heterotrophic microorganisms, bacteria, enumeration, use, nutrients media (culture) 1278.
isolation, Legionella jordanis sp.nov., indirect fluorescent antibody test 3779.
nitrate reduction, Pseudomonas denitrificans, antagonism, Escherichia coli 8427.
oil biodegradation, bacteria distribution, USSR 13516.
pollution, association, ecological distribution, plasmids, aerobic bacteria 13508
sediments, bacteria biodegradation, pollutants 100
sediments, polluted environments, bacteria isolates, resistance, metals 8860.
sediments, Thiobacillus, thiosulfate oxidation 10810
South Africa, Escherichia coli pollution monitoring 2493.
temperature tolerance, Shigella sonnei, Shigella flexneri, Salmonella 13512.
water pollution, microbial pollution, pollution effects, water quality, bacteria, population dynamics 7337
Yersinia enterocolitica incidence, seasonal variations, USA, Wisconsin 6435.

Rivulogammarus pulex,
pathogens, Rickettsiella, pathogenesis, electron microscopy, staining 12083.

RNA,
Agrobacterium tumefaciens, characterization, Helianthus annuus crown gall isolates 4136
association, Escherichia coli autolysis, induction, regulation 12342.
associaton, DNA repair, superhelical ColE1, biosynthesis, Escherichia coli 11313.
base composition, complementary strands, superhelical ColE1 DNA, Escherichia coli 11309
binding ribosomal proteins, Escherichia coli 11086.
characterization, isolation, methodology, Bacillus brevis, Bacillus subtilis, Escherichia coli 1458
degradation, genes assocation, Escherichia coli plasmid R483, F factors, restriction endonuclease mapping 12774.
DNA linkage, Bacillus subtilis, role, genomes replication 5721.
double-stranded, restriction-modification, Pseudomonas strains screening, role, phage Φ6 2900
effects on immune response, Salmonella typhimurium experimental infection, rats 4292
Escherichia coli, processing 8502.
Escherichia coli, transposon Tn 10, characterization, antibiotic resistance, tetracycline, effects on 2710.
hydrolysis, exonuclease, Bacillus brevis 8511
metabolism, Bacillus subtilis, role, 3'-nucleotidase, 5'-nucleotidase 2793.
nucleoids, Caulobacter crescentus, transcription, translation 8506.
phage Φ3T, phage ρ11, phage SPβ, homology, DNA, Bacillus subtilis 1645
plasmid R1, copA gene, factors affecting expression, Escherichia coli 12785.
primers, Escherichia coli, plasmid ColE1 DNA biosynthesis initiation 8730.
processing, Escherichia coli, association, phage T7, phage λ, genetics, reviews 7519
structure, Bacteria, models, factors affecting biomass 12461.
temperature, effects on, psychrophilic bacteria, isolation, soil, cultural characteristics 12445
termination factor rho binding, pyrophosphate effects on, Escherichia coli 9683.

RNA binding,
domains Escherichia coli localization, ribosomal protein S1, 3923

RNA biosynthesis,
Bacillus mesentericus, yield, aeration effects on 8448.
Bacillus subtilis, Kinetics, electrophoresis, hybridization 8501.
Bacillus subtilis, mutants, sporulation, transcription, genes, regulation 2874.
Bacillus subtilis, temperature-sensitive mutant, spore outgrowth 2877.
bacteria, books, conferences 10833
bacteria, measuring techniques, aquatic environment 1443.
bacteria, measuring techniques, aquatic environment 1452
bacteria, regulation, guanosine 3'-diphosphate 5'-diphosphate metabolism 9648.
characterization, Bacillus mesentricus 6594.
cobalt chloride inhibition, protein biosynthesis, effects on, Escherichia coli 2721
correlation guanosine nucleotides, amino acids regulation, mutants, Escherichia coli 3911.
effects on 4-hydroperoxicyclophosphamide, Escherichia coli 5709.
Escherichia coli, antibacterial activity, captan, effects on 8500.
Escherichia coli, enhancement, captan 163.
Escherichia coli, nucleotide 5',3'-polyphosphates effects on 12531.
Escherichia coli, temperature effects on regulation 12544.
Escherichia coli, vitamin U effects on 162.
his U gene, role, Salmonella typhimurium 8657.
inhibition calcium deprivation, Yersinia pestis 5712.
measurements, growth, bacteria, algae, methodology, evaluation, aquatic environments 2657.
Mycobacterium smegmatis, phage I3 4984.
neomycin effects on, Escherichia coli, in vitro 11053.
nucleic acids, radioactive labelling, bacteria 12511.
phage GA, stimulation hosts factors, purification, characterization, Escherichia coli 2894.
phage T4 infected cells, role, mot gene 9847.
phage T4 infected cells, role, mot gene 9848.
phages, Escherichia coli 4119.
regulation, genetic engineering, books, conferences 10830.
relaxation, Bacillus subtilis mutants, characterization 8685.
Rhizobium, fungicides effects on 3089.
RNA polymerase, liver association, Q fever, guinea-pigs 6963.
rRNA, Escherichia coli, role, DNA gyrase 2708.

RNA methyltransferase,
Streptomyces azureus, purification, characterization, role, antibiotic resistance, thiostrepton 3052.

RNA polymerase,
activity, rifampicin, resistance, Clostridium acidiurici 9729.
affinity labelling nucleotide binding sites, Escherichia coli 4901.
aggregates, structure, X-ray scattering, Escherichia coli 11159.
association, nucleotide sequence, promoters, Bacillus subtilis 159.
Bacillus subtilis, activity, rifampicin resistant mutant, genetic analysis 12787.
Bacillus subtilis, regulation subunits, peptide mapping 12624.
Bacillus subtilis, role, ppGpp metabolism 164.

RNA polymerase, (continued)
Bacillus subtilis, sporulation, gene expression, gene regulation, reviews 266.
Bacillus subtilis, sporulation, purification, characterization 4016.
bacteria, subunits, interaction, lac UV5 promoter 2790.
Bacteroides fragilis, bacteriocins, inhibition 1469.
binding, DNA, RP4 plasmid, Escherichia coli 1676.
binding phage SP82 promoters, role δ subunit, Bacillus subtilis 6575.
binding sites, promoters, R factor R6-5 9873.
binding tRNA Tyr genes promoters, guanosine 3'-diphosphate 5'-diphosphate regulation 9680.
bis-(3'-5')-cyclic dinucleotides inhibition, Escherichia coli 11091.
captan inhibition, mechanisms, Escherichia coli 4855.
DNA, heparin binding, effects on structure, Escherichia coli 8493.
Escherichia coli, binding, Proteus mirabilis phage 5006M 5858.
Escherichia coli, binding, Spinacea oleracea chloroplasts DNA 193.
Escherichia coli, lasers cross-linking
Escherichia coli mutants, restriction, phage T7 growth 5853.
Escherichia coli, phage T5 gene products effects on 4988.
Escherichia coli, phage T7 DNA, mRNA complex, stability 7514.
Escherichia coli, recombination, association, replication, phage T4 9860.
Escherichia coli, substrate specificity, DNA SV40 6597.
Escherichia coli, transcription chromatin mRNA, comparison RNA polymerase II wheat germ 4823.
σ factor, binding, DNA, Escherichia coli 6618.
gene expression regulation, Escherichia coli 11131.
initiation, transcription, phage T7, Escherichia coli 272.
interaction ATP, N.M.R., Escherichia coli 4825.
interaction penP gene promoters regions, Bacillus licheniformis 7666
kinetics, comparison purines, pyrimidines, transcription, Escherichia coli 1451.
mechanisms, C.D. rifampicin binding, Escherichia coli 7586.
mechanisms, reviews, bacteria 7620.
mechanisms transcription initiation, use phage T7 DNA, Escherichia coli 4996.
promoters substrate specificity, phage ΦX174 DNA, Micrococcus luteus, Escherichia coli 11042.
+proteins, gene 28, binding promoters, nucleotide sequence, phage SP01 4130.
purification, binding DNA, Agrobacterium tumefaciens 1511.
purification, characterization 4896.
purification, characterization, Archaebacteria 9782.
purification, characterization, Bacillus subtilis, Bacillus amyloliquefaciens, Bacillus brevis, Bacillus thuringiensis 6617.
purification, characterization, Micrococcus luteus 4890.
purification, Escherichia coli 8577.
regonition, DNA, role promoters sites stability, Escherichia coli 6571.
regulation, gene expression, pyr gene, mutants, Salmonella typhimurium 5816.
Rhizobium leguminosarum, isolation, characterization 4869.
rifampicin inhibition, mechanisms, Escherichia coli 9684.
RNA biosynthesis, liver association, Q fever, guinea-pigs 6963.
RNA polymerase II, Escherichia coli, DNA, chromatin templates specificity 4827.
role phage T7 DNA infection, Escherichia coli 5847.
role phage T7 DNA transport, infection Escherichia coli 4127.
σ subunit, Bacillus subtilis, binding phage SP01 promoters, transcription 2890.
β'-subunit, Escherichia coli, amino acid sequence, rpoC gene, DNA nucleotide sequence 7663.
β subunit, genes, amber mutant suppressors efficiency, assays, Escherichia coli 6687.
subunits, amino acid sequence, genes, nucleotide sequence, Escherichia coli 12572.
subunits, amino acid sequence, nucleotide sequence, comparison, Escherichia coli 4978.
subunits, assembly, Escherichia coli 12585.
σ-subunits, Escherichia coli, Bacillus brevis gramicidin interaction 9681.
subunits role promoters selection, Lactobacillus curvatus 11132.
termination, tryptophan operons, correlation models, characterization, Escherichia coli 5723.
Thermus thermophilus, transcription mechanisms 2719.
transcription, association, genetic engineering, recombinants plasmids, promoters, phage T7 5036.
transcription, nucleosomes, chromatin, models, Escherichia coli 11082.
transcription plasmids ColE1 DNA, DNA gyrase stimulation, role DNA supercoiling 8509.
transcription, promoters, strands exchange, Escherichia coli 4820.
trypsin digestion, Escherichia coli 9773.

RNA polymerase II,
activity, characterization, Escherichia coli 12675.
Escherichia coli, RNA polymerase, DNA, chromatin templates specificity 4827.
wheat germ, transcription chromatin mRNA, comparison RNA polymerase Escherichia coli 4823.

RNA polymerase (RNA-dependent),
purification, activity, Escherichia coli phage GA 2893.

mRNA,
Agrobacterium tumefaciens Ti plasmid, mRNA mapping, DNA hybridization, crown gall, Nicotiana tabacum 7691.
association, ribonuclease III, phage T7 mutants, gene expression, regulation, Escherichia coli 5011.
binding sites, ribosomal proteins, Escherichia coli 1447.
characterization, isolation, phages infection, Escherichia coli 6723.
fructokinase, biosynthesis, Streptomyces violaceoruber, cell-free system 5768.
nitrogenase genes, cDNA hybridization analysis operons organization, Rhizobium leguminosarum, Azotobacter vinelandii 7664.
phage T7 DNA, Escherichia coli RNA polymerase, complex stability 7514.
poly(A)-containing, cDNA, DNA polymerase (RNA-dependent), cloning, Bacillus subtilis, avian myeloblastosis virus 11039.
poly(A)-containing, characterization, Bacillus brevis 12547.
polyadenylation, characterization, Bacillus subtilis 7506.
ribitol dehydrogenase, purification, characterization, cell-free system translation, Klebsiella aerogenes 11076.
ribosomal protein L10, ribosomal protein L7/L12, translation, ribosomal protein L10 inhibition, Escherichia coli 7510.
ribosomal proteins, binding, inhibition translation, Escherichia coli 12542.
secondary structure effects on initiation complex formation, phage f2, Escherichia coli 9858
secondary structure role regulation translation initiation, lamB gene, Escherichia coli 7511.
translation, characterization, colicin A biosynthesis, Escherichia coli 297.
translation initiation sites, comparison, characterization, Escherichia coli

mRNA, (continued)
6572.
translation initiation sites, computer programs determination, Escherichia coli 6573.
translation, phage Φ29, cell-free system Bacillus subtilis, Escherichia coli 5708.
+tRNA+ribosomes, translocation, mechanisms, protein biosynthesis 8498.
rRNA,
Bacillus subtilis, genes, gene mapping 2855.
biosynthesis regulation, guanosine 3'-diphosphate 5'-diphosphate, Escherichia coli 12546
complex, Escherichia coli ribosomal proteins, methodology 2697.
Escherichia coli, conformational analysis, acridine orange 3909.
Escherichia coli, degradation, phage λ prophages induction, heat treatments 5860
genes, Escherichia coli, Physarum polycephalum, cloning, characterization 2715.
genes, gene mapping, transposition mutants, Escherichia coli 6700.
genes, hybridization analysis, Mycoplasma capricolum 7665.
isolation, characterization, ribosomal subunit 30S, Escherichia coli 11072.
nucleotide sequence, secondary structure, comparison eukaryotes, prokaryotes 3895.
operons, gene mapping, Escherichia coli 6699.
operons mutation, erythromycin antibiotic resistance, Escherichia coli 12741.
phylogeny, Acetobacterium woodii, Clostridium, Eubacterium 1449.
RNA biosynthesis, Escherichia coli, role, DNA gyrase 2708.
structure, ribosomal subunit 50S, ribosomal protein L7/L12, bacteria 8508.
3'-terminus, nucleotide sequence, Escherichia coli 7520.
uridine 5'-phosphate dimers, radiation, correlation cross-linking ribosomal proteins, Escherichia coli 5724.
rRNA 15S,
genes, Aspergillus nidulans, nucleotide sequence 166.
rRNA 16S,
Bacillus subtilis, genes, gene mapping 2855.
binding ribosomal subunit 30S, Escherichia coli 12543.
conformation, hydrodynamics shape, ribosomal subunit 30S, bacteria 4806
cross-linking ribosomal proteins, ribosomal subunit 30S, use 4-azido-2,3,5,6-tetrafluoropyridine, 4-azido-3,5-dichloro-2,6-difluoropyridine, Escherichia coli 6595.
Escherichia coli, homology, Aspergillus nidulans rRNA 15S 166.
fragments, isolation, nucleotide sequence, structure ribosomes, Escherichia coli 5714.
nucleotide sequence, taxonomic revision, Peptococcus saccharolyticus, Micrococcus mucilaginosus, Staphylococcus 2564.
nucleotide sequence tRNA binding sites, Escherichia coli 7513.
polarity, DNA hybridization, psoralen cross-linking, Escherichia coli 11081.
psoralen cross-linking, nucleotide sequence identification, probes secondary structure, Escherichia coli 6596
rRNA 16S 2705
tRNA Val binding sites nucleotide sequence, cross-linking, ribosomes, Escherichia coli 12529
3'-terminus, base stacking, N.M.R., Escherichia coli 7522.
3'-terminus, localization, Escherichia coli 2705.
topology, ribosomal subunit 30S, Escherichia coli 6584
rRNA 18S,
ribosomes, cross-linking acetylvalyl-tRNA, Escherichia coli, structure determination, Saccharomyces cerevisiae 9685
rRNA 23S,
affinity labelling tRNA binding sites, Escherichia coli 11073.
Bacillus subtilis, genes, gene mapping 2855.
conformation, ribosomal subunit 50S, Escherichia coli 4822.
Escherichia coli, binding, ribosomal protein L11 3908.
Escherichia coli, isolation, nucleotide sequence 1459.
Escherichia coli, magnesium ions effects on 8504.
Escherichia coli, nucleotide sequence, homology rRNA 4.5S chloroplasts 2706.
ribosomal protein L11 complex, micrococcin binding, inhibition protein biosynthesis, Streptomyces azureus 4157.
rRNA 23S 2705.
3'-terminus, localization, Escherichia coli 2705.
rRNA 30S,
initiation factor 3 interaction, fluorescence, Escherichia coli 1445.
rRNA 5S,
Bacillus subtilis, genes, gene mapping 2855.
binding ribosomal protein L18, ribosomal protein L25, Escherichia coli, Bacillus stearothermophilus 6581.
conformational analysis, endonuclease S1 (Aspergillus) digestion, Escherichia coli 11066.
fragments, interaction ribosomal protein L18, ribosomal protein L25, Escherichia coli 3902.
genes, mitochondria, man, DNA nucleotide sequence homology, bacteria 5726.
interaction ribosomal protein L3, yeasts, comparison prokaryotes 8505.
interaction ribosomal proteins, affinity chromatography, Escherichia coli 12525.
Lactobacillus viridescens, nucleotide sequence 9692.
N.M.R. conformational analysis, Escherichia coli 9679.
nucleotide sequence, Paracoccus denitrificans, Prochloron 5725.
nucleotide sequence, secondary structure, evolution, comparison eukaryotes, bacteria 8499.
nucleotide sequence, Spiroplasma, Mycoplasma mycoides 12540.
nucleotide sequence, Sulfolobus acidocaldarius 2720.
precursors processing, ribonuclease E role, Escherichia coli 11075.
rRNA 5S 2705.
tRNA binding, role protein biosynthesis, ribosomal subunit 50S, Escherichia coli 7512.
secondary structure, use phenyldiglyoxal cross-linking, Escherichia coli 4103.
3'-terminus, localization, Escherichia coli 2705.
rRNA 4.5S,
chloroplasts, Zea mays, nucleotide sequence, homology rRNA 23S Escherichia coli 2706.
rRNA 5.8S,
nucleotide sequence, secondary structure, evolution, comparison eukaryotes, bacteria 8499
rRNA4S,
Bacillus subtilis, genes, gene mapping 2855.
tRNA,
aminoacylation, effects on 4-hydroperoxicyclophosphamide, Escherichia coli 5709.
anticodon loop residues, 5-methylaminomethyl-2-thiouracil, role U.V. radiation induction guanosine 3'-diphosphate 5'-diphosphate synthesis, Escherichia coli

tRNA, (continued)
3915.
Bacillus subtilis, thionucleosides, characterization 2714.
binding ribosomal proteins, Escherichia coli 11086.
binding, ribosomes, effects on elongation factor G, Escherichia coli 11077.
binding, ribosomes, Escherichia coli 11070.
binding ribosomes poly(U) complex, effects on structure, E.S.R., Escherichia coli 4810.
binding ribosomes, ultracentrifugation, Escherichia coli 3901.
binding rRNA 5S, role protein biosynthesis, ribosomal subunit 50S, Escherichia coli 7512.
binding sites, Escherichia coli, ribosomes, chloramphenicol, effects on 2711.
binding sites localization, fluorescence, ribosomes, Escherichia coli 11068.
binding sites, methionyl-tRNA synthetase, inactivation, Escherichia coli 1454.
binding sites, nucleotide sequence, rRNA 16S, Escherichia coli 7513.
binding sites, rRNA 23S, affinity labelling, Escherichia coli 11073.
biosynthesis regulation, guanosine 3'-diphosphate 5'-diphosphate, Escherichia coli 12546.
characterization, isolation cytokinins, isoprenoid nucleosides, Agrobacterium tumefaciens 1453.
cis-N6-(4-hydroxy-isopentenyl)-2-methylthioadenosine identification, Salmonella typhimurium 12533.
cis-N6-(4-hydroxy-isopentenyl)-2-methylthioadenosine identification, Salmonella typhimurium, Klebsiella pneumoniae, Serratia marcescens 12534.
conformational analysis, phosphorescence, Escherichia coli 6586.
interaction, elongation factor Tu, Escherichia coli, characterization 12537.
interaction elongation factor Tu ribosomes complex, aminoglycoside antibiotics effects on GTP hydrolysis, Escherichia coli 3913.
methylation, methylcobalamin, cyanocobalamin effects on, Escherichia coli 12586.
methylthiolation, role gene regulation, Escherichia coli 5713.
modification, archaebacteria 161.
+mRNA+ribosomes, translocation, mechanisms, protein biosynthesis 8498.
phage T4, activity, role, ribonuclease III, Escherichia coli 5012.
precursors, ribonuclease E processing, Escherichia coli 6579.
ribosomal protein L2 ribosomal protein L17 complex, tRNA binding, Escherichia coli 5711.
secondary structure, computer programs 4835.
structure, tRNA (guanine-2-)-methyltransferase methylation effects on, Thermus thermophilus 8491.
suppressors, recognition codons, frameshift mutants, Salmonella 2883.
3'-terminus, Escherichia coli ribosomes, binding sites, peptidyltransferase 9688.
tertiary structure, Escherichia coli, N-nitroso-N-ethylurea alkylation 6593.
tyrosine suppressors genes, cloning, amber mutant, Escherichia coli 1621.
tRNA Ala,
genes, localization, DNA nucleotide sequence, Bacillus subtilis 4108.
tRNA fMet,
analogs, synthesis, aminoacylation, Escherichia coli 12545.
binding Methionyl-tRNA synthetase, Escherichia coli 5716.
initiation mechanisms, ribosomes, Escherichia coli 11074.
interaction methionyl-tRNA synthetase, Escherichia coli 4813.
role anticodon loop methionyl-tRNA synthetase recognition, Escherichia coli 5722.
3'-terminus, synthesis, Escherichia coli 12538.
unfolding, N.M.R., Escherichia coli 4811.
tRNA Glu,
purification, aminoacylation correlation selenium content, Clostridium sticklandii 9691.
+tRNA Phe complex, structure, Escherichia coli, yeasts 12526.
tRNA Gly,
Escherichia coli, suppressors, nucleotide sequence 1448.
tRNA (guanine-2-)-methyltransferase,
purification, characterization, methylation tRNA, Thermus thermophilus 8491.
tRNA Ile,
genes, localization, DNA nucleotide sequence, Bacillus subtilis 4108.
tRNA Lys,
isoacceptors, Bacillus subtilis, comparison activity, rabbits reticulocytes translation cell-free system 7509.
isoacceptors, nucleotide sequence, Bacillus subtilis 7508.
N-[(9-β-D-Ribofuranosyl-2-methylthiopurin-6-yl)carbamoyl]threonine identification, Bacillus subtilis 2716.
tRNA$_f$ Met,
synthesis, activity, Escherichia coli 1456.
tRNA Phe,
binding sites, Escherichia coli ribosomes, ribosomal proteins 11071.
chemical modification, effects on aminoacylation, Escherichia coli 5717.
conformation, ribosomes binding effects on, fluorescence, Escherichia coli 6582.
conformational analysis, E.S.R., Escherichia coli 3912.
cross-linking ribosomes, Escherichia coli 7518.
interaction, phosphorus analogs, pA-(AcMetGly), Escherichia coli ribosomes 177.
role elongation factor Tu hydrolysis GTP, Escherichia coli 8496.
Saccharomyces carlsbergensis interaction ribosomes, Escherichia coli, conformational analysis 6574.
+tRNA Glu complex, structure, Escherichia coli, yeasts 12526.
yeasts, binding ribosomes, Escherichia coli, kinetics, fluorescence 6578.
tRNA Thr,
gene mapping, identification, Escherichia coli 12763.
tRNA Tyr,
genes, promoters, RNA polymerase binding, guanosine 3'-diphosphate 5'-diphosphate regulation 9680.
suppressors genes, construction, cloning, Escherichia coli 4967
tyrosyl-tRNA synthetase aggregation, Escherichia coli 7617.
tRNA Val,
binding sites nucleotide sequence, rRNA 16S, cross-linking, ribosomes, Escherichia coli 12529.
conformational analysis, nuclear Overhauser effect, Escherichia coli 6585.
nucleotide sequence, Bacillus subtilis 4821.
Robinia pseudoacacia,
nitrogen fixation, nodulation, Rhizobium 1176.
Rhizobium nodules, nitrogen fixation, assocation, spring 10766.
Rocephin,
antibacterial activity, Pseudomonas aeruginosa 5064.
Rochalimaea vinsonii sp.nov.,
characterization 8342.
Rocks,
hydrogen bacteria substrate specificity 12456.
minerals, effects on, bacteria, attachment, freshwater environment 13523.

Rocky Mountain spotted fever,
association, adult respiratory distress syndrome, case reports, man 744
association, Kawasaki disease, man, case reports 4485
cytopathology, man, case reports 13349
dogs, case reports 7249.
incidence, association, public health, diagnosis, treatment, man 7191.
lesions, clinical aspects, man 1944.
Rickettsia, Acarina vectors, Mammalia hosts, USA, California 1031.
Rickettsia rickettsii, conjunctiva hemorrhage, association, diagnosis, treatment, man 9287
Rickettsia rickettsii, infection, diagnosis, serum, man, gas-liquid chromatography 2288
Rickettsia rickettsii, subclinical infection, serological surveys, children, man 6276.
Rodentia,
immunological memory, Listeria monocytogenes infection, role, lymphocytes T memory cells 4311
Listeria carriers, serotyping, Bulgaria, People's Rep. 7385
Listeria monocytogenes, immunological memory, hypersensitivity (delayed), lymphocytes T 585
Listeria monocytogenes, immunological memory, lymphocytes T 586.
oral cavity, Streptococcus ferus, isolation, characterization 6331.
tularemia, disease transmission, Ixodes redikorcevi vectors 13382.
vectors, salmonellosis, man, urban environment 9229
Roentgenography,
endocarditis, Staphylococcus, use, diagnosis, man 2208.
lung infection, Mycobacterium tuberculosis, Mycobacterium kansasii, Mycobacterium intracellular, man 776.
Root rot,
Daucus carota, association, Clostridium, enumeration, inoculation, soil, rhizosphere 10778.
Medicago sativa, microflora, bacteria, fungi, Fusarium 6394.
Rhizoctonia bataticola, biological control, Cicer arietinum 6424.
Vigna radiata, Rhizoctonia botaticola, interaction, Rhizobium symbiosis, antagonism 9477
Roots,
attachment, bacteria, biosynthesis surfactants, role, pathogenicity 4090.
bacteria infection, acid rain, effects on soil nutrients, dieback, Abies alba 10756
bacteria, wilt, epidemiology, Cocos nucifera, India 3674.
Colletia, nodules, symbiosis, Actinomycetes, characterization 9435.
colonization, Rhizobium trifolii, fungi, Trifolium repens roots 5533.
Convulvulus sepium, Daucus carota, agropine production, Agrobacterium rhizogenes 7296
crops, Azotobacter chroococcum seed treatments, specificity 13497.
exudates, bacteria, population dynamics, nutrient dynamics, rhizosphere, crop plants 13462.
exudates, Bouteloua gracilis, effects on, Arthrobacter, Pseudomonas, streptomycin antibiotic resistance 2444
exudates effects on, Rhizobium nodulation, Vigna sinensis 6413.
exudates, effects on, rhizosphere microorganisms 13510.
exudates, Gramineae, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9585
exudates, Zea mays, plant breeding, carbon sources, nitrogen-fixing bacteria, rhizoplane 12119.
Glycine max, interaction, Rhizobium, salinity effects on 5515.
Gramineae, exudates, amino acid composition, association, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9586.
infection, bacteria, effects on nutrients uptake 12088.
infection, bacteria, effects on nutrients uptake, dieback, Abies alba 12088
infection, Rhizobium trifolii, role, lipopolysaccharides, binding, lectins, Medicago sativa 2630.
mass, Medicago sativa, Rhizobium meliloti, sulfur, nitrogen, effects on 2451.
Medicago laciniata, modulation, Rhizobium meliloti, temperature, effects on 3723.
nodules induction, Coriaria arborea, ultrastructure, Frankia infection 12125.
nodules, induction, Discaria toumatou, ultrastructure, Frankia infection 12127.
Oryza sativa, Azospirillum isolates, nitrogen incorporation, nitrogen fixation 5511.
Pisum sativum, nodulation, respiration, nitrogen fixation 3687
Pongamia pinnata, nodules, association, Rhizobium, indole-3-acetic acid production 8174.
surface area, association, Rhizobium japonicum, populations, Leguminosae 3698.
Trifolium repens, lectins, role binding, Rhizobium trifolii 13483.
Trifolium repens, Rhizobium trifolii, infection, mechanism, ultrastructure 2445.
Triticum aestivum, Gaeumannomyces graminis infection, Pseudomonas isolation 1160.
Triticum, growth, Gaeumannomyces graminis var.tritici, Agrobacterium polysaccharides effects on 8212.
Triticum, Klebsiella oxytoca, nitrogen fixation, isolates, characterization 3700.
Triticum, respiration, bacteria, populations, nitrogen sources, potassium, nutrition, aeration, effects on 3706.
Triticum, respiration, bacteria, populations, Triticum, nutrient deficiencies, effects on 3705.
yield, Beta vulgaris, nitrogen fertilizers, spatial distribution, effects on 1153
Zamia pumila, growth, nodulation, geotropism, light effects on, pure culture 10780.
Rosaramicin,
antibacterial activity 368.
antibacterial activity, Legionella pneumophila 7798.
antibacterial activity, Mycoplasma pneumoniae, in vitro 318.
antibacterial activity, Ureaplasma 5046.
antibiotic sensitivity testing, antibiotic resistance, Haemophilus, Bacteroides, Campylobacter 4182.
antibiotic sensitivity testing, Campylobacter fetus subsp.jejuni, in vitro 9926.
derivatives, biosynthesis pathways, Micromonospora rosaria mutants 7731.
+tetracycline, treatment, non-specific urethritis, man 8005.
Ureaplasma urealyticum, antibiotic sensitivity testing, antibacterial activity 306.
Rose bengal,
assays, characterization, brucellosis diagnosis, cattle 12065.
Rosette formation,
erythrocytes, lymphocytes T subpopulations enumeration, cerebrospinal fluid, man, meningitis 7936.
suppressor cells, Mycobacterium antigens, tuberculosis, leprosy, man 4315.
Rosoxacin,
antibacterial activity, Neisseria gonorrhoeae 418.
Rosoxacin, (continued)
dose-response effects, Neisseria gonorrhoeae, gonorrhea, females, man 7083.
treatment, gonorrhea, association, Chlamydia trachomatis, antibacterial activity, man 2177.
Rotavirus,
enteritis, differential diagnosis, Campylobacter, Salmonella, children 5311.
± Escherichia coli, experimental infection, pathology, juveniles, sheep 3582.
+Escherichia coli, immunization (passive), maternal transfer, antibody response, juveniles, cattle 9054.
+Escherichia coli, mixed infection, incidence, juveniles, cattle 12049.
etiology, enteritis, children, Australia 3355.
gastroenteritis, outbreaks, Brazil, children, man 7991.
mixed infection, Escherichia coli, scours, gastrointestinal tract infection, pathology, cattle 12048.
Round window,
role, passage, Staphylococcus exotoxins 10086.
Rous sarcoma virus,
src gene, gene products, Escherichia coli, plasmid pBR325, expression 9862.
Route,
bacteria, postoperative infection, man 2289.
Rubeomycin,
Actinomadura roseoviolacea var.biwakoensis var.nov., biosynthesis, antibacterial activity, antitumor activity 3004.
biosynthesis, Actinomadura roseoviolacea var.biwakoensis, antibacterial activity, gram-positive bacteria 4159.
Rubidium,
transport, Medicago sativa, Corynebacterium insidiosum, infection, effects on 1354.
Rubredoxin-NAD$^+$,
detection, Clostridium 7601
Rubus,
actinomycetes nodules, incidence, Pakistan 1217.
witches' broom, mycoplasma-like organisms, etiology, symptoms 13430.
Rumania,
tuberculosis, treatment, clinical trials, man 11909.
Rumen,
absorption, Escherichia coli endotoxins, role mastitis pathogenesis, cattle 11492.
bacteria, biomass interference food digestion, measuring techniques 10641.
bacteria, feeds biodegradation, in vitro 9627.
bacteria, growth, cattle, nitrogen sources, effects on 3562.
bacteria, growth, domestic animals, nitrogen sources, effects on 3555.
Bacteroides ruminicola, proteinase, enzyme kinetics 2811.
fermentation intestinal microflora, host-pathogen interactions, comparison man 6142.
isobutylidine diurea, nitrogen sources, nutrients digestion, protein biosynthesis, cattle 8080.
isolation, Bacteroides ruminicola, Lactobacillus, Butyrivibrio fibrisolvens, sheep 5451.
Megasphaera elsdenii, DL-lactate fermentation 12358.
microflora, chemical modification feeds, digestibility, domestic animals 9321.
microflora, conferences 9498.
microflora, feeds digestion, reviews 9324.
microflora, role feeds digestion, domestic animals 9319.
microflora, role feeds digestion, domestic animals 9320.
microorganisms, protein biosynthesis, sheep, feeding trials, nitrogen sources, effects on 3559.
sheep, linseed oil effects on, organic matter digestion, microorganisms protein biosynthesis 10637.
spirochaeta, biochemical characteristics, morphology, role digestion, cattle 12033.
Streptococcus bovis, proteinase, growth, in vitro 3556.
Rumen microoganisms,
phelonic acid effects on, growth, cellulase activity 11017.
Rumen microorganisms,
2-aminoethylphosphonic acid content, measuring techniques 10876.
bacteria, Aepyceros melampus, diets effects on 8082.
bacteria, buffaloes, growth, relationship, diet 2332.
bacteria, cellulase, biosynthesis, enzymatic activity 1504.
bacteria isolates, carbohydrates media effects on enzymes glycosylation activity 9789.
bacteria, polysaccharides degradation enzymes biosynthesis, association, rumen microorganisms, carbohydrates media 9780.
biodegradation, Eragrostis tef cell walls 5680.
biodegradation, proteins, cattle, juveniles 3563.
biodegradation, straw, ammonification, sheep 8079.
Camelus dromedarius, fermentation, metabolism 7226.
cattle, transformation, Solanum tuberosum glycoalkaloids 2328.
cellulose biodegradation, fatty acid biosynthesis, amines effects on 1050.
continuous culture, proteins biodegradation, retention time 10994.
feeding trials, plants cell walls biodegradability 5645.
fermentation, Sorghum vulgare silage, lasalocid, effects on 12040.
function, gnotobiotics, juveniles, sheep, growth 6380.
fungi, cellulose, biodegradation, sheep, methanogenic bacteria, effects on 3679.
in vitro, in vivo, protein biosynthesis, fermentation, nicotinic acid effects on 6321.
in vitro, monensin, antibacterial activity 5929.
methanogenesis, cellulose biodegradation 12037.
methanogenesis, 2,4-bis(trichloromethyl)-benzo[1,3]dioxin-6-carboxylic acid effects on 13362.
plants cell walls biodegradability role 6324.
protein biosynthesis, association, ammonia, sheep 6326.
proteinase inhibitors effects on proteolysis 12659.
role, proteins, organic matter, digestion, Ruminantia 13074.
scanning electron microscopy, digestion, forage, role cell walls lignin 6327.
sheep juveniles, carbohydrates fermentation, large intestine 12039.
urea metabolism, sheep, sucrose effects on 13360.
Ruminantia,
proteins, organic matter, digestion, rumen microorganisms role 13074.
Ruminococcus albus,
cellulase, purification, characterization 9777.
growth, cellulose biodegradation, phenylpropanoic acid stimulation 7461.
Rupture,
amniotic membrane, streptococcus group B, man 870.
bacteria brain aneurysm, association heart surgery, man 6242.

- **Rural environments,**
  - man, Clostridium tetani, tetanus, immunity 4307.
- **Ruta graveolens,**
  - alkaloids, antibacterial activity, antifungal activity 3075.

- **S,S'-Dialkyldithiomethylene malonodinitriles,**
  - structure-activity relationships, antimicrobial activity 5977.
- **Saccharomonospora,**
  - taxonomy, characterization 1286.
- **Saccharomonospora viridis,**
  - dimethyl disulfide metabolism, poultry wastes 123.
  - hypersensitivity, wood contamination, occupational exposure, man, case reports 5213.
- **Saccharomyces carlsbergensis,**
  - tRNA Phe interaction ribosomes, Escherichia coli, conformational analysis 6574.
- **Saccharomyces cerevisiae,**
  - Clostridium acetobutylicum, hexoses+pentoses, fermentation, ethanol, L-butanol, biosynthesis 11010.
  - comparison, Escherichia coli, codons, preferences, genetic analysis 11273.
  - fatty acid synthetase, stereochemistry mechanisms comparison Brevibacterium ammoniagenes 5738.
  - genes, cloning, expression Escherichia coli 11263.
  - immobilization, use, carrageenins gels 179.
  - leu 2 gene, complementation, leu B gene, Escherichia coli 243.
  - leu2 gene, complementation, Escherichia coli leuB gene 1597.
  - microwave radiation, temperature effects 56.
  - nutrient sources, 4-amino-5-hydroxymethylpyrimidine, role thiamine biosynthesis 5662
  - ornithine carbamoyltransferase genes, cloning, gene expression 5865.
  - penicillinase, plasmid pMP78-1, characterization, production 5819.
  - protoplasts, ethylene glycol, induction, uptake, Azotobacter vinelandii, Anacystis nidulans, mechanisms 4619.
  - ribosomal protein L12, amino acid sequence, comparison ribosomal proteins Micrococcus luteus 2712.
  - ribosomes, rRNA 18S, cross-linking acetylvalyl-tRNA, Escherichia coli, structure determination 9685.
  - spheroplasts, protein biosynthesis, inhibition, Corynebacterium diphtheriae toxins 6004
  - URA1 gene, gene expression, cloning, role promoters 6710.
  - use, cloning, Klebsiella pneumoniae nif gene 1605.
- **Saccharomycopsis fibuliger,**
  - mixed culture, Streptococcus lactis, starch, biodegradation, products, commensalism, competition 8160.
- **Saccharopolyspora,**
  - production, aminoglycoside antibiotics 311.
- **Saccharopolyspora hirsuta subsp.kobensis,**
  - sporaricin E biosynthesis, structure 11357.
  - sporaricin E production, characterization 7734.
  - sporaricins, antibacterial activity, structure 2987.
- **Saccharum officinale,**
  - ratoon stunt, incidence, India 1140.
  - scald, effects on biochemical characteristics 1139.
  - scald, Xanthomonas albilineans, Jamaica 4606.
- **Saccharum officinarum,**
  - diseases, infection, bacteria, fungi, viruses, reviews 9386.
  - scald, Xanthomonas albilineans, Jamaica 6400
- **Sacculi,**
  - isolation, characterization, Streptococcus sanguis 12732.
- **Sacroileitis,**
  - brucellosis, tuberculosis, Streptococcus, man 5416.
- **Sacroiliac,**
  - arthritis, Staphylococcus, treatment, surgery, man, case reports 3520.
- **Saframycin,**
  - Rhodococcus amidophilus, transformation, chemical modification, antitumor activity 7737.
- **Saframycin S,**
  - antibacterial activity, gram-positive bacteria, antitumor activity 1745.
- **Safranine,**
  - staining, bacteria, urine, bacteriuria, detection 1279.
- **Sagamicin,**
  - Micromonospora sagamiensis mutants, biosynthesis 7746.
- **Saimiri sciureus,**
  - Mycobacterium gordonae isolation 5470.
  - Mycobacterium tuberculosis infection, outbreaks 10717.
- **Salad dressings,**
  - salmonellosis, Salmonella typhimurium, carriers, outbreaks, man 2049.
- **Salicylanilide,**
  - derivatives, synthesis, antibacterial activity, gram-positive bacteria 4213.
- **Salicylate,**
  - metabolism, Pseudomonas putida, role, plasmids, chromosomes 283.
- **Salicylic acid,**
  - treatment, acne, man 10291.
- **Saline,**
  - treatment, decubitous ulcers, man 5430
- **Saline environments,**
  - bacteria, heterotrophic microorganisms, salinity effects on 9631
- **Saline solution,**
  - source, Serratia marcescens, bacteremia, man, intensive care units, hospitals 3474.
- **Salinity,**
  - association, ecological distribution, seasonal variations, Vibrio vulnificus, coastal waters 13528
  - effects on amino acids bioaccumulation, Rhizobium 7530.
  - effects on bacteria growth, association, biodegradation, methanol, phenol 7867.
  - effects on, growth, Vibrio cholerae, estuaries, in vitro 12413.
  - effects on Rhizobium, nodulation, interaction, roots, Glycine max 5515.
  - rivers, Germany, Fed. Rep., effects on heterotrophic bacteria 12169.
  - saline environments, effects on bacteria, heterotrophic microorganisms 9631.
- **Salinity tolerance,**
  - halophilic bacteria, sea water 6441
  - protein biosynthesis, growth, Halobacterium halobium, Mexico 2655.
- **Salinomycin,**
  - effects on Salmonella typhimurium antibiotic resistance, incidence, excretion, experimental infection, chickens 5455
- **Saliva,**
  - agglutinins, interaction, Streptococcus serotypes, oral cavity, man, calcium, effects on 3305.
  - agglutinins, Streptococcus mutans, Streptococcus mitior, characterization, man 3236.
  - antibacterial activity, streptococcus mutans, streptococcus sanguis, growth inhibition 8854
  - association, cefaclor, rifampacin, prophylaxis, Haemophilus influenzae infection, man 11990.
  - bacteria, man, chlorhexidine gluconate, alexidine, mouthwashes, effects on 733.
  - children, maternal effects, Streptococcus mutans, adherence, surfaces, in vitro 2608.
  - coatings, surfaces, adherence, Streptococcus sanguis, role, cell surface, proteins, purification, characterization 2617.
  - composition, Macaca mulata, radiation, effects on 3640.
  - effects on dental plaque pH, dental caries resistance, man 726.
  - effects on Klebsiella adherence, oral cavity epithelium, man 10967.
  - +hydroxyapatite, Streptococcus mutans growth 5679.
  - hypothiocyanite, effects on dental plaque acid production, man 722.
  - immunoglobulin A, antibody response, Streptococcus mutans, dental caries, children 13045.
  - immunoglobulin A, inhibition, Streptococcus mutans, adherence, hydroxyapatite 9014.
  - immunoglobulin A levels, Streptococcus antigens, oral microflora 573.
  - immunoglobulin G levels, lysozyme enzymatic activity, role, dental caries disease resistance, man 729.
  - immunoglobulins, immune response, Klebsiella, urinary tract infection, association, ankylosing spondylitis, man 4289.
  - Lactobacillus enumeration, man, methodology 4675.
  - lactobacillus, yeasts, incidence, man, pH, saliva flow rate, relationship 4355.
  - role, cell adhesion, cell aggregation, Streptococcus 8399.
  - secretion, dental caries, man, drug addiction, effects on 3298.
  - Streptococcus, lactobacillus, chlorhexidine effects on, man 728.
  - Streptococcus mutans agglutinins, association, immunoglobulin A, man 552.
  - Streptococcus mutans, chlorhexidine treatment, children man 6160.
  - Streptococcus mutans levels, dental caries, relationship, children, parents 1952.
- **Salivary gland,**
  - rats, content, histamine, 5-hydroxytryptamine, association, botulism, diphtheria 1815.
- **Salivary microflora,**
  - man, erythromycin treatment effects on 9069.
- **Salix alba,**
  - leaves, Erwinia salicis antigens detection, enzyme-linked immunosorbent assay 8149
  - watermark disease, Erwinia salicis 6396.
- **Salmo gairdneri,**
  - Aeromonas hydrophila infection, pathogenesis 1803.
  - Bacteroides, intestinal microflora, identification 6476.
  - temperature effects on microflora 12034.
- **Salmo salar,**
  - incidence, Renibacterium salmoninarum, kidney infection, carriers, Canada 3598.
- **Salmonella,**
  - adherence, gastrointestinal tract, microflora, inhibition, chickens, scanning electron microscopy 13358.
  - adherence, muscles tissues, chickens, sodium chloride, effects on 2598.
  - alafosfalin, antibacterial activity 5070.
  - animal isolates, antibiotic resistance 6821.
  - animal isolates, antibiotic resistance, antibiotic sensitivity testing, surveys 12930.
  - animal isolates, clinical isolates, antibiotic resistance, plasmids association, epidemiology, USA 12927.
  - antibacterial activity, aminoglycoside antibiotics 6783.
  - antibacterial activity, antibiotic HR 756 1729.
  - antibacterial activity, cefotaxime, cephalosporins 5914.
  - antibacterial activity, meclocycline, potentiation, association, propyl gallate 8790.
  - antibacterial activity, thiolactomycin 11360.
  - antibiotic resistance, association, diarrhea, children 5957.
  - antibiotic resistance, characterization, geographical distribution, reviews 8801.
  - antibiotic resistance, incidence, association, infection treatment 8809.
  - antibiotic resistance, plasmids transfer, Escherichia coli 11327.
  - antibiotic resistance, polymyxin, pmrA gene mutants, ionic strength effects on 399.
  - antibiotic resistance, screening 12931.
  - antibiotic resistance, transfer, R factors, Escherichia coli, coliforms, antibiotic sensitivity testing, agar diffusion test 6751.
  - antibiotic sensitivity testing 9931.
  - antibiotic sensitivity testing, methodology 6780.
  - antibodies hemagglutination, antigen O erythrocytes attachment, immunosuppression, aminoglycoside antibiotics, polymyxin B 7921.
  - antigen O, antigen H, purification, enzyme-linked immunosorbent assay 6875.
  - antigen O, biosynthesis, use, enzymes 10160.
  - antigens, detection, agglutination, tests, dysentery, salmonellosis, man 1847.
  - antigens, treatment, chickens 6126.
  - antimicrobial agents, antibiotic resistance 9996.
  - arthritis, association, histocompatibility antigen HLA B27 determinants, man, clinical aspects 7941.
  - arthritis, etiology, clinical aspects, children 8060.
  - arthritis, man, case reports 3491.
  - association, food poisoning, etiology, epidemiology, British Isles, man 11762.
  - bacteremia, treatment, cefamandole, man 7152.
  - bactericidal activity, serum factors, complement C4 activation, mice 13025.
  - bekanamycin antibacterial activity 6786.
  - carriers, Macaca fascicularis, incidence, imported diseases 6378.
  - casein, isolation methodology 4661.
  - cefoperazone antibiotic resistance, penicillinase 7823.
  - cefotiam antibacterial activity 1719.
  - clearance, biliary tract, ceftizoxime treatment, choledochlithiasis, man 10545.
  - clinical isolates, lactose metabolism, conjugation 9868.
  - clinical isolates, serotyping 12277.
  - colonization, gastrointestinal tract, intestinal microflora, chickens, effects on 1052.
  - culture, diagnosis, salmonellosis, chickens 2.
  - detection, fluorescent antibody test, methodology, culture 1263.
  - detection, food, media (enrichment) 3757.
  - detection, incidence, feces, buffalo, juveniles 50.

Salmonella, (continued)
detection, India ink immunoreaction, man, Nigeria 3159
detection, membrane filter-disc immunoimmobilization, meat, chickens, turkeys 3605.
detection, membrane filter-disc immunoimmobilization, products, eggs 2518.
diarrhea, man 13183
dibekacin antibacterial activity 6785
DNA, homology, gene vH2^-, flagella, Escherichia coli, radioactive labelling 2692.
drug sensitivity testing, nifuroxazide 5130.
endotoxemia, lipid peroxides formation, plasma membranes damage, liver, mice 6870
endotoxins, acute toxicity, α-tocopherol effects on, mice 6009
endotoxins, effects on collagen aggregation 1820.
endotoxins induction liver membranes pathology 10108.
endotoxins role pathogenesis, infection, mice 6862
enteritis, children, epidemiology, treatment, Austria 7020.
enteritis, differential diagnosis, Campylobacter, rotavirus, children 5311.
enteritis, treatment, antibiotic 6059-S, man 2020
enterotoxins biosynthesis, assays 4225
epidemiology, pigs 2377
etiology, enteritis, children, Australia 3355
etiology, gastroenteritis, children, Trinidad 5312.
R factors, conjugation, Escherichia coli 9903
R factors, man, salmonellosis 12866
flagella antigens, characterization 11549.
flagella filaments, mechanical stimuli induction transformation 10938
flaR gene, flagella assembly 2872.
food contamination, chickens carcasses, relationship, processing methodology 10654
food isolates, detection, media (enrichment) 3757
food isolates, potassium sorbate+acids, effects on, in vitro 3082.
frameshift mutants, tRNA suppressors, recognition codons 2883.
gastroenteritis, association, polyarthritis, antigen-antibody complexes, man, case reports 569
gastroenteritis, treatment, phosphomicin, man 2031
gastrointestinal tract infection, dogs, India 13377
growth rate, temperature, effects on 8422
ice cream contamination, food poisoning, man 9098
Inc plasmid, incompatibility, electrophoresis 11332.
incidence, Aves microflora 12030.
incidence, chickens carcasses, most probable number 10655.
incidence, dairy industry effluents, Belgium 1241.
incidence, epidemiology, isolation, British Isles 7277
incidence, gastrointestinal tract, lymph nodes, sheep, cattle, abattoirs 3638.
incidence, livestock, abattoirs, Ethiopia 3610
infection, association, systemic lupus erythematosus, diagnosis, man, case reports 4508.
infection, cattle, epidemiology, Salmonellosis 13410.
infection, diagnosis, disease transmission, pigs, man, abbattoirs 3606
infection, diagnosis, enzyme-linked immunosorbent assay, animal models 1846.
infection, diagnosis, epidemiology, man, France 10450
infection, epidemiology, animals, clinical aspects, British Isles 7243.
infection, epidemiology, dogs 4564
infection, epidemiology, Italy 3514
infection, epidemiology, juveniles, cattle 10659
infection, Falco peregrinus, incidence, pathogenesis, breeding houses, USA, New York 8100
infection, gastrointestinal tract, chickens 13385
infection, immune response detection, use, hypersensitivity (delayed) skin tests 8906
infection, immunological aspects, epidemiology, infants, man 11958
infection, imported diseases, Switzerland, man 2250
infection, man, hospitals, clinical aspects, case surveys 9299.
infection, pathology, guinea-pigs 4588
infection, treatment, fosfomycin, children 7133.
intestinal microflora, antibiotic resistance, neomycin± oxyterracin± streptomycin± chloramphenicol, animals 3074
intestinal microflora, Cathartes aura 9316.
intestinal microflora, Felis rufus 5478.
isolates, antibiotic resistance, animals, meat, feeds 3064.
isolates, antibiotic sensitivity testing 8759.
isolates, drug sensitivity testing, antimicrobial resistance, plasmids R factors, incidence 4201
isolation, animals, Uruguay 12060
isolation, Blattidae, Rattus 8095.
isolation, casein, chocolate, comparison, media (enrichment), standards 3758.
isolation, characterization, Senegal, Tunisia, Madagascar, Haute-Volta, Antilles 2535
isolation, diarrhea, man, socio-economic aspects 9140.
isolation, feces, man, carriers 4410.
isolation, food, comparison, media (isolation), standards 3759
isolation, guinea-pigs, cattle, role, disease transmission, India 2352.
isolation, guinea-pigs, India 1324.
isolation, meat products, media (culture) comparison 9502.
isolation, media (selective), feces, man 2521
isolation, Meleagris gallopavo, USA, Florida 1049.
kidney abscesses, pathogenesis, man, case reports 9165.
lipopolysaccharides antibodies preparation, affinity chromatography 10135.
media (enrichment), isolation, chickens 4666
media (enrichment), isolation, pigs feces 7361
media (isolation), chickens giblets 2508.
media (isolation), media (enrichment) 5555.
media (isolation), Pseudomonas aeruginosa contamination, sulfacetamide effects on 3761.
meningitis, man, case surveys 3407.
mutants, antibiotic resistance, association, cell division rates 10963.
mutants, flagella, isolation 2503.
mycotic aneurysm, thorax aorta, man, case reports 5425.
Nocardia thiolactomycin antibacterial activity 7715.
occurrence, Rattus norvegicus, association enteritis, man, surveys, Kuwait 6211.
osteomyelitis, complications, sickle cell disease, man, case reports 2189.
paratyphoid fever, Africa imported diseases, diagnosis, man 6197.
phage P22 c1 gene mutation effects on lysogeny 4115.
phage P22 lysogeny, genetic control, cro gene 4117.
plasmids mediation, antibiotic resistance, aminoglycoside antibiotics 401.

Salmonella, (continued)
population levels, acidic hay effects on, feces, juveniles, cattle 9325.
Pseudomonas aeruginosa, media (isolation), sulfacetamide 3761.
Reiter's disease, etiology, physiopathology, factors affecting, man 11949.
rheumatism, association ankylosing spondylitis, man 9253.
salmonellosis, association, immunoglobulin G immunodeficiency, horses, juveniles 572.
salmonellosis, association lymphosarcoma, dogs 6362.
salmonellosis, domestic animals 13380.
salmonellosis, epidemiology, man, British Isles 10476.
salmonellosis, gastrointestinal tract, characterization, treatment, man 11786.
salmonellosis, immunostimulation, immune response (humoral), phenylalanine, deficiency, lactalbumin, diets, mice 3212.
salmonellosis, imported diseases, screening, man 6252.
salmonellosis, isolation, epidemiology, clinical aspects, man 11754.
salmonellosis, pollution source, British Isles, man, animals 816.
Salmonellosis, R factors, antibiotic resistance, man 10018.
salmonellosis, treatment, clinical manifestations, prophylaxis, horses, reviews 2353.
serotypes, identification, use, β-glucuronidase activity 1522.
serotypes, incidence, origin, France 1325.
serotyping, clinical isolates, epidemiology, man 9220.
serotyping, new taxa 6468.
strains, clinical isolates, production, colicin 12877.
synthetic antigens specificity, carbohydrates association 11544.
temperature tolerance, rivers 13512.
toxins biosynthesis, relationship, phages 4122.
toxins, food poisoning, epidemiology, man 7890.
transfer, R factors, food 8728.
transfer, R-factors, Escherichia coli, antibiotic resistance, oxytetracycline, streptomycin 2932.
transmission, incidence serotypes, antibiotic resistance, Larus 6473.
transmission (transovarial), distribution, pathogenicity, Serpentes 6355.
tumors infection, man, immunological aspects 6148.
typhoid fever, enteritis, diarrhea, carriers rate, man 10376.
vaccination, immunity (cell-mediated), mice 9059

Salmonella abortis-ovis,
salmonellosis, vaccination, sheep, oral administration 11644.

Salmonella abortus,
endotoxins, renal failure, rats 8890.

Salmonella abortus ovis,
abortion prophylaxis, vaccination, sheep, 3242.
skin diseases, resistance, mice, association Eimeria falciformis parasitism 6147.

Salmonella abortus-equi,
vaccines, inactivation, β-propiolactone, glutaraldehyde, vaccination, rabbits, guinea-pigs 4340.

Salmonella abortus-ovis,
mutants, live vaccines, efficacy, screening, mice 3253.
vaccination, side effects, abortion, sheep 9061.

Salmonella agona,
excretion, association, food hypersensitivity, milk, children, case reports 832.
experimental infection, rabbits, effects on homeostasis 11983.
incidence, epidemiology, isolation, British Isles 7277.

Salmonella alachua,
antibiotic resistance, role, plasmids, genetic analysis 5029.

Salmonella anatum,
cell surface, adsorption phage ϵ^{15}, pH effects on 7681.
cell surface polysaccharides, adsorption phage ε15 6725.
isolation outer membranes+inner membranes binding sites 6488.
salmonellosis, experimental infection, leukocytes (neutrophilic), bactericidal activity, pigs 5226.
salmonellosis, role, hay contamination, cattle 1116.

Salmonella arizonae,
diarrhea, juveniles, sheep 10652.
meningitis, neonates, case reports 5343.
plasmids, sucrose fermentation, characterization 1690.
pseudo mycotic aneurysm, association, aortoenteric fistulae, man, case reports 10622.

Salmonella bovis morbificans,
infection, outbreaks, cattle 13408

Salmonella brandenburg,
cyst abscesses, endometrium, man, case reports 11831.

Salmonella charity,
Crassostrea commercialis, feces, release, temperature, effects on 12058.

Salmonella cholea-suis,
infection, children, man, case reports 7166.

Salmonella cholera-suis,
infection, diagnosis, man 4530.

Salmonella cholerae-suis,
drug resistance, antibiotic resistance, sulphathiazole, colistin, neomycin 3115.
Salmonellosis, effects on, Ascaris suum, experimental infection, pigs 3577.

Salmonella choleraesuis,
experimental infection, rabbits, effects on homeostasis 11983.
salmonellosis, experimental infection, association, leukocytes (neutrophilic) adherence, pigs, juveniles 5216.

Salmonella derby,
occurrence Rattus norvegicus, Kuwait, surveys 6211.

Salmonella dublin,
aneurysm, man 13355.
animal isolates, domestic animals, antibiotic sensitivity testing, Netherlands 3000.
diarrhea, juveniles, sheep 10652.
drug resistance, antibiotic resistance, sulphathiazole, colistin, neomycin 3115.
experimental infection, association, inoculum size, juveniles, cattle 3626.
experimental infection, cattle± Fasciola hepatica infection effects on 1118.
experimental infection, symptoms, zinc, plasma levels, cattle, juveniles 1102.
incidence, epidemiology, isolation, British Isles 7277.
infection, epidemiology, juveniles, cattle 10659.
infection, immune response detection, use, hypersensitivity (delayed) skin tests, cattle 8906.
killed injection, induction, immunity, salmonellosis 9040.
oral infection, cattle, Fasciola hepatica infection effects on 7273.
salmonellosis, animal models, relationship, treatment, trimethoprim, sulfadiazine, cattle 2363.
salmonellosis, animal models, relationship, treatment, antibacterial agents, cattle 2370.

Salmonella dublin, (continued)
  salmonellosis, control, cattle, juveniles 6373.
  vaccination, immunity (cell-mediated), cattle 624.
Salmonella dysenteriae,
  outer membranes proteins, ompA gene, Escherichia coli gene expression 12805.
Salmonella enteriditidis,
  lipopolysaccharides, opsonization, role, complement alternative pathway, sickle cell disease, man 583.
Salmonella enteriditis,
  Freund's adjuvant, vaccines, fowl typhoid, hypersensitivity (delayed), chickens 4325
Salmonella enteritidis,
  biodegradation, growth, carbon sources, industrial effluents 9628.
  drug resistance, antibiotic resistance, sulphathiazole, colistin, neomycin 3115.
  endotoxins, stimulation, macrophages, biosynthesis, thromboxane A2, prostacyclin, role, endotoxin shock, rats 5162.
  immunization, mice, cross-protection, antitumor activity 9048.
  infection, association, mycotic aneurysm, man, case reports 5418.
  infection, diagnosis, enzyme-linked immunosorbent assay, animal models 1846.
  infection, fever, stimulation immune response (humoral), rats 11563.
  infection, mice, association tumors resistance, role effectors cells, characterization 9019.
  isolation, sputum, septicemia, diagnosis, man, case report 3293.
  macrophages antigens presentation, lymphocytes T, γ-interferon production, mice 8981.
  occurrence Rattus norvegicus, Kuwait, surveys 6211.
  septicemia, neonates, man, Saudi Arabia 3549.
  survival, soils (loam), soils (sandy) 2457.
  thyroiditis, antibody response, man, case reports 5229.
  transfer Pseudomonas plasmid RPL11 penicillinase 6756.
  vaccination, immunity (cell-mediated), mice 9059.
Salmonella enteritidis ser.derby,
  milk contamination, association, infection, man 3370.
Salmonella fulda sp.nov.,
  nomenclature, taxonomy, serotyping 10918.
Salmonella gallinarum,
  experimental infection, pathogenesis, Coturnix coturnix 13379.
  fowl typhoid, chickens, India 3628.
  Freund's adjuvant, vaccines, fowl typhoid, hypersensitivity (delayed), chickens 4325.
  furazolidone antibiotic resistance, in vitro, in vivo, chickens 5117.
  Maclura pomifera fruits extracts antibacterial activity 450.
  vaccination, antibody response, chickens 6130.
Salmonella gallinarum-pullorum,
  drug resistance, antibiotic resistance, sulphathiazole, colistin, neomycin 3115.
Salmonella havana,
  occurrence Rattus norvegicus, Kuwait, surveys 6211.
  survival, association, animal wastes, pigs, land disposal 2459.
Salmonella heidelberg,
  plasmids, penicillinase, nosocomial infection outbreaks, epidemiology, man 10594.
Salmonella indiana,
  incidence, Aves microflora 12030
Salmonella infantis,
  plasmid pNO10, lactose fermentation, drug resistance, characterization 1666.
Salmonella itami,
  isolation, taxonomy 3793.
Salmonella johannesburg,
  antibiotic resistance, IncFI plasmid, incompatibility 9856.
  phages, characterization 2889.
Salmonella landwasser sp.nov.,
  serotypes, characterization 10890.
Salmonella livingstone,
  salmonellosis, treatment, tetracycline, mice, laboratory animals, nosocomial environments 4576.
Salmonella mbandaka,
  infection, transmission, association, food contamination, cattle 10667.
Salmonella minnesota,
  cell death resistance, association, complement components 10202.
  endotoxins effects on cytochrome P-450, 5-aminolevulinate synthase, heme enzymes, liver, mice 11513.
  endotoxins, effects on tumors regression, immune response, antitumor activity, guinea-pigs 10109.
  endotoxins, inhibition 5-aminolaevulinate synthase, mechanisms, liver, mice 6011.
  R form, S form, specificity, immune response, mice 570.
  2-keto-3-deoxyoctonic acid, detection, use, Carcinoscorpius rotundicauda lectins 11243.
  lipid A, induction, nephritis, animal models, rats 13337.
  lipid A, structure, characterization 11236.
  resistance mechanisms, complement bactericidal activity, in vitro 8994.
Salmonella morbificans,
  occurrence Rattus norvegicus, Kuwait, surveys 6211.
Salmonella naestved,
  Escherichia coli, R-factors, transposons, antibiotic resistance, chloramphenicol, characterization, genetic analysis 4131.
Salmonella newport,
  ampicillin antibiotic resistance transfer, role R factors 5031.
  incidence, epidemiology, isolation, British Isles 7277.
Salmonella oranienburg,
  pleural effusion isolates, hemolytic anemia, man, characterization 9214.
Salmonella orianienburg,
  phage typing, clinical isolates, man, Indonesia 6479
Salmonella panama,
  meningitis, neonates, man, case reports 3418.
Salmonella paratyphi,
  antibacterial activity, Chloramphenicol, thiamphenicol 12915.
  antibiotic resistance, streptomycin, chloramphenicol, ampicillin, furazolidine, cotrimoxazole, agar dilution test 3044.
  bacteremia, bacteriuria, treatment, amoxicillin, ampicillin, man 3376.
  chickens immune response, spleen cell culture 10217.
  clinical isolates, geographical distribution 10366.
  competition, Lactobacillus, crop, cecum, chickens 6328.
  diarrhea, outbreaks, food-borne diseases, water-borne diseases, Portugal 3354.
  infection, Mesocricetus auratus, concurrent infection, Schistosoma mansoni, characterization 7289
  iron uptake, transferrin 3848
  paratyphoid encephalitis, children, case reports 9170
Salmonella paratyphi, (continued)
  paratyphoid, epidemiology, clinical aspects, cholecystectomy association, man 10375.
  paratyphoid fever, man, reviews 7028.
  typhoid fever, clinical aspects, relationship, age, man 840.
  vaccination, immunity (cell-mediated), mice 9059.
Salmonella partyphi,
  clinical isolates, cefoperazone, antibiotic sensitivity testing 11375.
Salmonella poona,
  Salmonellosis, guinea-pigs, characterization 6379.
Salmonella pullorum,
  infection, serological testing, chickens 1119.
Salmonella rubislaw,
  infection, diagnosis, enzyme-linked immunosorbent assay, animal models 1846.
Salmonella senftenberg,
  heat resistance, association, sucrose concentration 8392.
Salmonella stanley,
  incidence, epidemiology, isolation, British Isles 7277.
Salmonella tranaroa,
  lipopolysaccharides, monoclonal antibodies, specificity, idiotypes 10159.
Salmonella typhi,
  antibacterial activity, Chloramphenicol, thiamphenicol 12915.
  antibiotic resistance, chloramphenicol, isolation, typhoid fever man 403.
  antibiotic resistance, streptomycin, chloramphenicol, ampicillin, furazolidine, cotrimoxazole, agar dilution test 3044.
  antibiotic sensitivity testing 9931.
  antigen O, association, legionnaire's disease, Legionella pneumophila, immune response, case reports, man, Norway 6907.
  antigen Vi, detection, enzyme-linked immunosorbent assay, diagnosis, typhoid fever, man 4249.
  antigens, lipopolysaccharides, proteins, antibody response, serum levels, radioimmunoassay, typhoid fever, man 1854.
  antigens, lipopolysaccharides, proteins, antibody response, intestine levels, radioimmunoassay, typhoid fever, man 1855.
  bacteremia, bacteriuria, treatment, amoxicillin, ampicillin, man 3376.
  binding, association, complement receptors, oral cavity leukocytes (polymorphonuclear), man 7940.
  clinical isolates, antigen H characterization 6886.
  clinical isolates, geographical distribution 10366.
  clinical isolates, prototrophy 3857.
  endotoxins, effects on, lipid composition, myocardium, mice 1830.
  Escherichia coli, Pseudomonas aeruginosa, antigen (enterobacterial common), opsonization, rabbits 3179.
  feces isolates association typhoid fever, antigens detection, use, agglutination 12995.
  hybrids, Salmonella typhimurium, antigens, vaccines, assays, mice 11632.
  infection, man, hospitals, clinical aspects, case surveys 9299.
  infection, treatment, cefotiam, children 2248.
  infection, treatment, polymyxin B+gramicidin, antibiotic synergism, animals 4571.
  isolation, typhoid fever, differential diagnosis, Cotard's syndrome, case reports, man 7200.
  meningitis, infants, man, case reports 8022.
  osteomyelitis, treatment, chloramphenicol, amoxicillin, spine, man 3439.
  ovary cyst, pregnancy, man, case reports 2086.
  pelvis infection, treatment, man, case reports 6259.
  phage J2, transduction, lysogeny, plaque formation 4999.
  pyridines, antibacterial activity, synthesis 439.
  ribonucleoproteins immunogenicity, vaccination, mice 9034.
  strains, identification, phage typing, use, epidemiology 3800.
  typhoid fever, association, gastrointestinal tract bleeding, treatment, surgery, man, case reports 3359.
  typhoid fever, association, gastrointestinal tract bleeding, treatment, surgery, man, case reports 3359.
  typhoid fever, association, liver pathology, treatment, man 4409.
  typhoid fever, clinical aspects, incidence, man, India 9138.
  typhoid fever, clinical aspects, relationship, age, man 840.
  typhoid fever, complications, hepatitis, immunoglobulins, complement, deposits, man 11617.
  typhoid fever, diagnosis, agglutination, man 830.
  typhoid fever, diagnosis, Widal test, man 4511.
  typhoid fever, epidemiology, man, South Africa 4473.
  typhoid fever, gastrointestinal tract pathology, man 817.
  typhoid fever, heart pathology, man 2034.
  typhoid fever, immune response (cell-mediated), immune response (humoral), man 8948.
  typhoid fever, man, effects on kallikrein precursors production 6208.
  typhoid fever, man, reviews 7028.
  typhoid fever, mutants, isolation, anaerobic conditions, man 11779.
  typhoid fever, phlebitis, man 13279.
  typhoid fever, relationship, duodenum intubation, man, case surveys 7984.
  typhoid fever, treatment, pivmecillinam+pivampicillin, man 2038.
  typhoid fever, treatment, pivmecillinam+pivampicillin, comparison, cotrimoxazole, man 9144.
  typhoid fever, treatment, sulfamoxole+trimethoprim, man 825.
  typhoid fever, vaccines 6120.
  typhoidfever, man, case reports 5314.
  vaccination, man 5246.
  vaccination, oral administration, typhoid fever, animal models 4337.
  vaccines production, Shigella sonnei, I antigen gene, genes transfer 5835.
  vaccines, typhoid fever, clinical trials, children 6125.
  vasculitis, association, paratyphoid fever, lesions, man, case reports 11947.
Salmonella typhimurium,
  adherence, association, respiratory tract infection, man, animal models 10319.
  Ames test strains, identification methodology 1328.
  9-aminoacridine derivatives, frameshift mutant 5841.
  animal isolates, domestic animals, antibiotic sensitivity testing, Netherlands 3000.
  antibacterial activity, butylated hydroxyanisole, propylparaben, characterization 8819.
  antibacterial activity, cephalosporins, penicillin-binding protein effects on 4181.
  antibacterial activity, chlorine, iodine, sanitizers, eggs, washing, factors affecting 3079.
  antibacterial activity in vitro, N-chloramine compounds, comparison chlorhexidine 5961.
  antibacterial activity, isopenicillin N, penicillin N 11401.

Salmonella typhimurium, (continued)
antibacterial activity, penicillins 7788.
antibacterial activity, seawater+plankton+man feces 1784.
antibacterial activity, synergism, oxytetracycline+EDTA-tromethamine, oxytetracycline+dimethyl sulfoxide 4190
antibiotic resistance, clinical isolates, India 7831
antibiotic resistance, drug resistance, plasmids 402
antibiotic resistance, R factors transfer, feeds isolates 5113.
antimicrobial agents, antibiotic resistance 9996
arthritis, association, systemic lupus erythematosus, diagnosis, treatment, man, case reports 1008
association, plasmids, plasmid RP4, Escherichia coli, transfer chromosomes 5885
auxotrophy, peptides 116.
azides mutagens, biosynthesis, characterization, role, O-acetylserine sulfhydrylase 2816.
bactericidal activity, sewage, digestion (anaerobic) 10049.
benzoic acid, deoxycholic acid, effects on, fatty acid composition 12720.
biotyping, animal isolates 9558.
catabolite repression resistant mutant, phosphoenolpyruvate-fructose phosphotransferase characterization 8698
cattle isolates, drug resistance, incidence, R factors 3112.
cell membranes, lipopolysaccharides, proteins, role, conjugation 1342.
cephaloridine antibiotic resistance, role lipopolysaccharides, membrane permeability 10005
cetriaxone, comparison, moxalactam, ampicillin, experimental infection 11896.
chelating agents levels, flooded soils effects on 5522
chemotaxis, association, carboxylmethylation chemoreceptors 5602
chemotaxis, Oxygen, phosphotransferase substrates, role methylation 5637.
chimeras plasmids, transduction, phage P22 5848.
cis-N6-(4-hydroxy-isopentenyl)-2-methylthioadenosine identification, tRNA 12533.
cis-N6-(4-hydroxy-isopentenyl)-2-methylthioadenosine identification, tRNA 12534
clinical isolates, antibiotic resistance 7816
clinical isolates, plasmids characterization, phage typing, India 9907.
cloning, chemotaxis genes, phage λ, plasmid pBR322, overproduction 247.
comparison, Bacillus megaterium, aflatoxin B1, metabolites, induction, prophages, lysogeny 8714.
cotrimoxazole drug resistance, antibiotic resistance, R factors replication 7874.
cysB gene mutants, isolation, characterization 12790.
cysM gene mutants, sulfite reductase induction, anaerobic conditions 12651.
cytosine deaminase, pyrimidines, effects on enzymatic synthesis 6635.
defective mutant, characterization, formate dehydrogenase linkage nitrate reductase 8683
defective mutant, phosphoribosylpyrophosphate synthetase activity 12686.
defective mutant, 3-deoxy-D-manno-octulosonate-8-phosphate, biosynthesis, isolation, characterization 8710
3-deoxy-D-manno-octulosonate-8-phospate synthetase temperature-sensitive mutant effects on lipids biosynthesis, cell death 7660.
detection, osmotic stability effects on Bactec test 5570
4-dimethylaminoazobenzene, analogs, mutagenesis 7653.
DNA adducts, formation, 1-nitropyrene, reduction, effects on 1436.
DNA nucleotide sequence, araB gene, araC gene 4797.
DNA nucleotide sequence, promoters, histidine, arginine, transport operons 11040.
drug resistance, antibiotic resistance, sulphathiazole, colistin, neomycin 3115.
+Eimeria tenella, concurrent infection, pathogenesis, chickens 4579.
endophthalmitis, metastasis, man, case reports 9283.
endotoxins effects on, blood vessels, eye, rabbits 6871
endotoxins lethality potentiation microwave radiation, mice 11509
enteritis, experimental infection, pathology, monkeys 9370.
Escherichia coli, H2 plasmid transfer, intestine, juveniles, cattle 9897.
Escherichia coli, R factor RP4, transfer 12865
experimental infection, antibiotic resistance, incidence, excretion, chickens, salinomycin effects on 5455
experimental infection, hypersensitivity (delayed), immunity (cell-mediated), mice 4271.
experimental infection, immune response, antigen O, juveniles, cattle 9021.
experimental infection, immune response, role, antibodies, macrophages, mice 1903
experimental infection, leukocyte migration inhibition, chickens 9013.
experimental infection, mice, hypervitaminosis, retinol, effects on 3627
experimental infection, phagocytosis, macrophages, chemiluminescence, mice 1905
experimental infection, rabbits, effects on homeostasis 11983
experimental infection, RNA effects on immune response, rats 4292
experimental infection, skin reaction, antigen O 10175.
R factor R1767, gene amplification 9885.
R factors mutants, osmotic shock extracts, association disease resistance, mice, infection 12398
R factors potentiation ionizing radiation mutagenesis, Ames test 4118.
feces, excretion, chickens, association, starvation 6348.
filamentous microorganisms, immobilization 72
gdhA gene, gene mapping 8701.
gene mapping, gene regulation, pyr operon, pyrI gene, pyrB gene 11262.
genetic relationship, phosphoribosyltransferase activity, purines transport 1357.
glutamate synthase (NADPH) genes, gene mapping 5818.
glycolipids structure, association, tumors regression, endotoxins activity 11239.
growth, stimulation, serum, cattle, role, iron, siderophores 2673.
guanosine tetraphosphate, levels, hisU gene, mutation 8682.
helium pressure, effects on mutagenesis, growth 2635.
higJ gene, argJ gene, histidine, arginine transport proteins, P protein interaction 2861.
his U gene, role, RNA biosynthesis 8657.
histidine operon, restriction endonuclease mapping 1601.
hybrids, Salmonella typhi, antigens, vaccines, assays, mice 11632.
ilv gene, gene mapping, regulation, cloning 1623.
Immunoglobulin A, dinitrophenol, binding, effects on, cell surface physicochemical properties, interaction, phagocytes 1330.
incidence, Aves microflora 12030.
incidence, epidemiology, isolation, British Isles 7277.
incidence, meat, chickens, freeze-thawing, association, chemicals, treatment, effects on 3092.
indicator species, carbaryl toxicity 5144.
indicator species, survival, manure, soil amendment, pasture 12142.
infection, colony-forming cells response, mice 5228.
infection, diagnosis, enzyme-linked immunosorbent assay, animal models 1846.
infection, elimination, role, immunity (cell-mediated), antibodies, chickens 5230.
infection, epidemiology, juveniles, cattle 10659.

Salmonella typhimurium, (continued)
infection, immune response detection, use, hypersensitivity (delayed) skin tests, cattle 8906
infection, man, hospitals, clinical aspects, case surveys 9299.
infection, mice, macrophages, role, disease resistance, immunity 8991.
infection, microflora, protection, chickens 13357.
infection, nosocomial environments, gastroenteritis, meningitis, septicemia, case surveys 6264.
infection, outbreaks, guinea-pigs, clinical aspects 8107.
infection, phage P221, induction, proteins, characterization 8719.
infection, treatment, antibiotic 6059-S, children 2320.
infectivity, mice 10141.
interaction, HeLa cells, chemotaxis, glycine 8375.
interaction, intestine, mucin, leukocytes (polymorphonuclear), secretory immunoglobulin A effects on 11564.
isolation, birds 3617.
isolation, Erythrura pasina, Trichoglossus haemotod, Lorius garrulus, Eos squamata, Psephotus haematonotus, Psittacula krameri manillensis 7256.
isolation, Meleagris gallopavo, USA, Florida 1049.
isopropylmalate isomerase, subunit structure 1490
meningitis, chloramphenicol resistance, association, abscesses, man 10428.
meningitis, infants, man, case reports 8022.
methylmethanesulfonate induction his gene reversion, caffeine effects on 11256.
microwave radiation, temperature effects 56.
mixed culture, +Candida, sterols, biosynthesis, drug sensitivity testing effects on 5988
mutagenesis, assays, suspension culture 1582.
mutagenicity testing, antibacterial activity, nitrofurans 8695.
mutagenicity testing, drinking water 7379.
mutagenicity testing, nitropyrenes, mutagens, role, nitroreductase 1585.
mutants, activity, phosphorylation, transport, glucose 1356.
mutants, biosynthesis, pyrimidines, orginine, kinetics, regulation 1539.
mutants, deletion drug resistance genes, R factors 9876.
mutants, glutamine synthetase characterization 4881.
mutants, lipids, outer membranes, resistance, EDTA, cations 2624.
mutants, RP4::Mucts62 plasmid, transfer 1673.
mutants, strains, virulence, mice 13010.
mutator, induction, transposon Tn5, transposon Tn10, insertion 245.
nitroreductase role mutagenesis 8658.
outer membranes, lipoproteins, lipopolysaccharides, porins, characterization, counter immunoelectrophoresis 68.
outer membranes proteins, levels, growth rate, effects on 2743.
ovoid form, mecillinam induction, morphogenesis, replication 1404.
penetration, intestine mucosa, association, antibiotics treatment, animal models 10379
peptidase deficient mutant, proteins degradation 260.
phage F$_0$lac characterization, F$_0$lac plasmid dependence 5004.
phage P22, transduction chimeras plasmids 5848.
λ phage transduction, ilv gene promoters regions, DNA nucleotide sequence, comparison Escherichia coli 1439.
phage 199, salmonellosis, man, epidemiology, phage typing 11296.
phosphoenolpyruvate-fructose phosphotransferase, regulation, carbohydrate metabolism 8464.
phosphoenolpyruvate-sugar phosphotransferase, proteins, isolation, characterization, methodology 1491.
plasmid pWS6 stability, association compatibility 11277.
T plasmids incidence, relationship, phage t infection 4986.
pncB gene, gene mapping 261.
porins, role, lipopolysaccharides, vaccination, mice 3255.
preservatives, potassium sorbate+sodium chloride, antibacterial activity 5129.
proline permease, function, association, osmotic stress 12662.
prophages, aflatoxin B$_1$ induction 1635.
protein kinase, phosphatase, multiple forms, phosphorylation, characterization 7612
proteins precursors, function, Porins, phages receptors 2745.
purification, characterization, pyrroline-5-carboxylate reductase, 1-pyrroline-5-carboxylate dehydrogenase 4053.
pyrroline-5-carboxylate reductase, 1-pyrroline-5-carboxylate dehydrogenase, mechanisms, kinetics 4008.
pyruvate dehydrogenase (lipoamide), purification, characterization, comparison Escherichia coli 11148.
γ radiation mutation, antioxidants effects on 11468.
radiation resistance mutants, gene mapping 12792.
replication origin regions, secondary structure, computer programs 4835.
RNA polymerase regulation gene expression, pyr gene 5816.
salmonellosis, experimental infection, association, leukocytes (neutrophilic) adherence, pigs, juveniles 5216.
salmonellosis, experimental infection, leukocytes (neutrophilic), bactericidal activity, pigs 5226.
Salmonellosis, guinea-pigs, characterization 6379.
salmonellosis, imported diseases, epidemiology, Psittacus erithacus 9366.
salmonellosis, isolation, sheep 12063.
salmonellosis, man, diagnosis, use, antigen O, antigen K, antibodies 7981.
salmonellosis, outbreaks, salad dressings, eggs, carriers, man 2049.
salmonellosis, treatment, apramyan, cattle, juveniles 5461.
ser. copenhagen, infection, outbreaks, imported diseases, Chalcophaps indica, Japan 3633.
sepsis, electrolyte balance, potassium, sodium, Macaca mulatta 2240.
sodium nitrite antibacterial activity 5128.
sodium nitrite+pH inhibition catalase 11135.
supX gene, DNA topoisomerase I 6706.
survival, soils (loam), soils (sandy) 2457.
susceptibility, correlation, lymphocytes, mice 1888.
temperature-sensitive mutant, effects on lipopolysaccharides biosynthesis, rfaH gene genes 11281.
termination factor rho, purification, characterization 7614.
thiolutin resistant mutant, isolation, characterization 11432.
thyA gene, genetic analysis, use transposons 9894.
toxicity testing, aromatic amines, derivatives, DNA fragmentation, mutagenicity 4094
transport, methionine sulfoxide, methionine, glutamine, relationship 2610
transposon Tn10, ilv operon, transcription 12746.
transposon Tn10, promoters, transcription 12752.
transposon Tn10 use genetic analysis, his operon 11304.
trpE gene, nucleotide sequence, comparison, Escherichia coli 12503.
tryptophan operon regulation regions nucleotide sequence, comparison, Citrobacter

Salmonella typhimurium, (continued)
  freundii 12522.
  typhimuricin biosynthesis, role, plasmid LT2, new records 12869.
  vaccination, immunity (humoral), role, mice 10261.
  vaccination, mice, immunological aspects 6138.
  vaccines, salmonellosis, immunity, cattle 13060.
Salmonella typhinurium,
  histidine operon, transcription, regulation 6694.
Salmonella typhosa,
  antibacterial activity, extracts, Chlorophyceae, Rhodophyceae 5141.
  endotoxins, tissues damage, rats 7898.
  typhoid fever, ileum perforation, children 13169.
  vaccination, hyperimmunization, immune response, dogs, rabbits 9025.
Salmonella weltevreden,
  phage typing, epidemiology, geographical distribution, India 44.
  Salmonellosis, guinea-pigs, characterization 6379.
Salmonella wien,
  antibiotic resistance, role plasmids, genetic analysis 5029.
  antibiotic sensitivity testing 9931.
  antimicrobial agents, antibiotic resistance 9996.
  clinical isolates, detection, skin permeability factors, in vitro 4230.
  enterotoxins, purification, characterization, toxicity, cell culture, rabbits 12982.
  penicillinase, purification, characterization 3991.
Salmonella zanzibar,
  infection, outbreaks, disease transmission, man, animals, British Isles 3487.
Salmonella zuerich,
  antigenic characteristics, polysaccharides 10158.
Salmonellae,
  virulence, enterotoxins production, fimbriae, characterization 6002.
Salmonellosis,
  animal models, relationship, treatment, antibacterial agents, cattle 2370.
  animal models, relationship, treatment, trimethoprim, sulfadiazine, cattle 2363.
  association, immunoglobulin G immunodeficiency, horses, juveniles 572.
  association lymphosarcoma, dogs 6362.
  cattle, epidemiology 13410.
  chickens, diagnosis, Salmonella, culture 2.
  disease transmission, animals, man, disease control 2242.
  disease transmission, role, isolation, Salmonella, guinea-pigs, cattle, India 2352.
  domestic animals 13380.
  effects on, Ascaris suum, experimental infection, pigs 3577.
  epidemiology, man, British Isles 10476.
  experimental infection, association, leukocytes (neutrophilic) adherence, pigs, juveniles 5216.
  experimental infection, leukocytes (neutrophilic), bactericidal activity, pigs 5226.
  R factors, antibiotic resistance, man 10018.
  gastrointestinal tract, characterization, treatment, man 11786.
  immunity induction, killed Salmonella dublin injection, cattle 9040.
  immunostimulation, immune response (humoral), phenylalanine, deficiency, lactalbumin, diets, mice 3212.
  imported diseases, screening, man 6252.
  man, diagnosis, use, antigen O, antigen K, antibodies 7981.
  man, epidemiology, Salmonella typhimurium phage 199, phage typing 11296.
  man, R factors, Salmonella, Enterobacteriaceae 12866.
  man, vectors, Insecta, Rodentia, animals, urban environment 9229.
  osteomyelitis, sickle cell disease, man 9257.
  outbreaks, Salmonella serotypes, man, Argentina 4526.
  pollution source, British Isles, man, animals 816.
  rabbits, experimental infection, effects on homeostasis 11983.
  Salmonella abortis-ovis, vaccination, sheep, oral administration 11644.
  Salmonella anatum, role, hay contamination, cattle 1116.
  Salmonella dublin, control, cattle, juveniles 6373.
  salmonella, isolation, epidemiology, clinical aspects, man 11754.
  Salmonella livingstone, treatment, tetracycline, mice, laboratory animals, nosocomial environments 4576.
  Salmonella typhimurium, isolation, sheep 12063.
  Salmonella typhimurium, outbreaks, salad dressings, eggs, carriers, man 2049.
  Salmonella typhimurium, Salmonella poona, Salmonella weltevreden, guinea-pigs, characterization 6379.
  Salmonella typhimurium, treatment, apramyan, cattle, juveniles 5461.
  Salmonella typhimurium, vaccines, immunity, cattle 13060.
  Shigella, Salmonella, antigens, detection, agglutination, tests, man 1847.
  treatment, clinical manifestations, prophylaxis, horses, reviews 2353.
  vaccination, side effects, abortion, sheep 9061.
Salmonidae,
  furunculosis, treatment, chloramphenicol 12057.
  immunity, Yersinia ruckeri, vaccination, Vibrio anguillarum, Yersinia ruckeri 10249
  kidney diseases, bacteria, detection, agglutination, Staphylococcus antibodies 6027.
  vaccination, vibrio anguillarum, Yersinia ruckeri 10251.
Salpingitis,
  association, intrauterine devices, association, case reports 2096.
  Chlamydia trachomatis, association, autoantibodies, levels, characterization, man 9152.
  Chlamydia trachomatis isolation, fallopian tube, clinical aspects, immune response, man 923.
  detection, Chlamydia trachomatis antibodies, immunoglobulin G, use, enzyme-linked immunosorbent assay, man 7906.
  diagnosis, treatment, man, case surveys 10392.
  experimental infection, pathology, antibody response, animal models 10277.
  isolation, Neisseria gonorrhoeae, nutrient requirements, antibiotic sensitivity testing, man 915.
Salt lakes,
  abundance, bacteria, Africa 8227.
  2-O-sesterterpanyl-3-O-phytanyl-sn-glycerol, Halococcus, Halobacterium, membrane structure, isolation 8643.
Salt marshes,
  anaerobic environments, fatty acids metabolism, microorganisms 12713.
  bacteria ATP, seasonal variations 1228.
  Chromatium association algal mats, vertical distribution, Mexico 8231.
  denitrifying bacteria, sewage sludge effects on 1230.
  Phalaris arundinacea, Pharagmites australis, nitrogenase soil, nitrogen fixation 9451.
Salt marshes, (continued)
  sediments, sulfate reduction, sulfate-reducing bacteria, oxidation, hydrogen, acetate 3739.
  Spartina alterniflora detritus biodegradation, bacteria, micronutrients release 8232.
  spirochetes, isolation, enumeration, rifampicin 4653.
  USA, Louisiana, nitrogen fixation 1159.
  USA, methanogenesis 1232.
Salts,
  N-acylaminopropylammonium, synthesis, bactericidal activity 428.
  bile, arylsulfatase, activity, specificity, Clostridium 12613.
  osmotic stress, effects on, bacteria, population changes, rhizosphere, rhizoplane, Hordeum vulgare 4634.
  role, absorption, endotoxins, intestine, man 3150.
Salvelinus fontinalis,
  Aeromonas hydrophila infection, pathogenesis 1803.
Samplers,
  airborne microorganisms, Staphylococcus epidermidis, Serratia marcescens 9496.
  bacteria, deep sea, methodology 1237.
Sampling,
  dental pulp, anaerobic microorganisms, media (culture), methodology 1265.
  methodology, Escherichia coli, enteric bacteria, coliforms, incidence, abundance, killed, animals 3557.
  methodology, urethra microflora, man 6935.
  swabs, effects on, cytoplasm inclusions formation, Chlamydia trachomatis 4663.
Sand,
  aggregation, Actinomycetes, bacteria, role dune stabilization 9479.
  marine environment, fuels wells drilling fluids effects on microorganisms 10803.
  oil, biodegradation, hydrocarbons, bacteria, Canada, Alberta 8360.
Sanitation,
  epidemiology, food poisoning, Clostridium botulinum, Staphylococcus aureus, gram-negative bacteria, toxins, man 10097.
Sanitizers,
  chlorine, iodine, antibacterial activity, Salmonella typhimurium, Streptococcus faecalis, eggs, washing, factors affecting 3079.
Santonin,
  carbon sources, intermediates, Pseudomonas cichorii 12420.
Sap,
  phloem, collection, characterization, mycoplasma-like organisms yellows, Cocos nucifera 13453.
  phloem, composition, mycoplasma-like organisms yellows, Cocos nucifera 13449.
Saphylococcus aureus,
  transposon Tn554, insertion sites specificity 8733.
Saprophytes,
  bacteria, sewage, survival, adaptations, sea water 2477.
  bacteria, vertical distribution, Indian Ocean 12174.
  Mucobacterium, galactonate catabolism 122.
  pathogens, plants, bacteria identification methodology 10891.
Saprospira,
  predation, gliding bacteria 2424.
Saprospira grandis,
  predation, bacteria 2424.
Sarcina,
  association, otitis media, man 2004.
Sarcoidosis,
  association, scleroderma, acid-fast bacteria detection, man 987.
Sarcoma,
  intestine, bacteria infection presentation, immune response, man, case reports 827.
Sarcosporidiosis,
  histopathology, association, gram-positive bacteria enteritis, food-borne diseases, man, case reports 5318.
Saudi Arabia,
  neonates, man, septicemia, Bacteroides fragilis, Salmonella enteritidis 3549.
Saudia Arabia,
  isolation, penicillinase biosynthesis Neisseria gonorrhoeae 2785.
  man, Campylobacter fetus subsp.jejuni, gastroenteritis, diagnosis, incidence 2025.
  man, sexually-transmitted diseases, incidence 2142.
Savannahs,
  nitrogen cycle, agricultural ecosystems, Nigeria 9449.
Scab,
  disease resistance, Vigna unguiculata 5494.
  Solanum tuberosum, Streptomyces scabies, control, ethionine 1147.
  Streptomyces scabies, Solanum tuberosum 4607.
  Xanthomonas campestris pv.vesicatoria, relative humidity, effects on, pathogenesis, Piper nignum 12096.
Scald,
  effects on biochemical characteristics, Saccharum officinale 1139.
  plums, etiology, bacteria presentation Rickettsia 6402.
  Saccharum officinarum, Xanthomonas albilineans, Jamaica 6400.
  Xanthomonas albilineans, Saccharum officinale, Jamaica 4606.
Scandinavia,
  hospitals, man, nosocomial infection, bacteria, viruses, surveillance, control 10546.
Scanning,
  gallium, Staphylococcus epidermidis intra-abdominal infection, abscesses, diagnosis, treatment, man 11988.
Scanning electron microscopy,
  biomass, volume, bacterioplankton, aquatic environment, measuring techniques, computer applications 3732.
  intertrigo, dysbacteriosis, man 3289.
  McCoy cells, Chlamydia trachomatis infection, characterization 8361.
  microflora, inhibition, Salmonella, adherence, gastrointestinal tract, chickens 13358.
  Mycobacterium bovis, colonial characteristics 10944.
  ribosomal proteins, distribution, Escherichia coli 3943.
  rumen microorganisms, digestion, forage, role cell walls lignin 6327.
  Spiroplasma infection morphology, Opuntia tuna monstrosa, Lactuca sativa 8150.
  Treponema macrodentium, microbodies, characterization 5626.
  Yersinia enterocolitica, L form 2614.
Scarlet fever,
  association, hepatitis, case reports, man, reviews 11993.
  toxins, effects on reticuloendothelial system, rabbits, mice 7900.
Scars,
  kidney, association, urinary tract infection, treatment, man, reviews 6220.

Schistocerca gregaria,
Streptococcus, Enterobacter agglomerans, intestinal microflora, distribution, abundance 3652
Schistosoma,
schistosomiasis, treatment, niridazole, inhibition, immune response (cell-mediated), man 3237
Schistosoma mansoni,
concurrent infection, Salmonella paratyphi infection, Mesocricetus auratus, characterization 7289
larval, infection, association, tuberculosis, immunity (cell mediated), monocytes, man 3225
Schistosomiasis,
treatment, niridazole, inhibition, immune response (cell-mediated), man 3237.
Schwartzman reaction,
Neisseria gonorrhoeae extracts induction 8878
Scintigraphy,
diagnosis, osteomyelitis, children 10445.
diagnosis, osteomyelitis, Staphylococcus aureus, joints, man 2203.
disseminated infection, tuberculosis, man 11934.
Scleritis,
Pseudomonas aeruginosa, diagnosis, treatment, man, case reports 2224.
Scleroderma,
association, sarcoidosis, acid-fast bacteria detection, man 987.
post-streptococcal, myocardium pathology, man, case reports 4501.
Sclerotia,
Verticillium dabliae, morphology, colonization, soil microorganisms, pH, effects on 3728
Sclerotinia sclerotiorum,
susceptibility, Pseudomonas pigments, characterization 5697.
Sclerotium oryzae,
stem rot, epidemiology, burning, crop residues, Oryza sativa 13445.
Scomber japonicus,
isolation, halophilic bacteria, psychrophilic bacteria, histamine formation 7640.
Scotogramma trifolii,
pathogens, new records, characterization, rickettsia-like disease 12085.
Scours,
Escherichia coli, disease control, prophylaxis, vaccines, cattle 10276.
Escherichia coli, pathology, disease control, neonates, cattle 10721.
gastrointestinal tract infection, mixed infection, rotavirus, Escherichia coli, pathology, cattle 12048
pigs, γ-globulins treatment 8086
Screening,
antibiotic tolerance, β-lactam antibiotics, penicillinase 12933.
antibiotics, culture methodology 7745.
antitumor antibiotics, Escherichia coli 3041.
Bacillus, fatty acids, inhibition, penicillinase, high-performance liquid chromatography 2796.
bacteria distribution, eye diseases 6852
bacteria mutants, macrolide antibiotics biosynthesis, methodology 5042
bacteria, surfactants biosynthesis, use oil dispersants, drilling, oil installations 8649
bacteriuria, man, pregnancy 2066.
brucellosis, serum agglutination assays, cattle 12064.
Chlamydia trachomatis, isolation sexually-transmitted diseases, clinical isolates, culture systems 6452.
detection, antibiotic resistance, chloramphenicol, Haemophilus influenzae, methodology 394.
disease resistance, blight, Vigna unguiculata 4611.
Escherichia coli, antibiotic resistance, streptothricin 3051.
Escherichia coli, mutants, ColE1 plasmids, penicillin-binding protein, gene mapping, restriction-modification 2911
gonorrhea, man, females 5350
gonorrhea, relationship, prophylaxis, man, Malaysia 927.
gram-negative bacteria biodegradation, pollutants 11000.
Haemophilus influenzae, Streptococcus pneumoniae, antibiotic resistance, ampicillin, penicillin, carriers, man 6829
methodology, bacteriuria, man 9525.
methodology, deoxyribonuclease inhibitors, Micromonospora 7594.
microorganisms, dextranase biosynthesis 2756.
Nocardia lactamdurans, Streptomyces griseus, recombination mutants, cephamycins biosynthesis 8769
penicillinase, inactivation, β-lactam antibiotics, antibacterial activity, gram-negative bacteria 3017.
plants essential oils, antibacterial activity, antifungal activity 4214.
Pseudomonas strains, double-stranded RNA restriction-modification, role, phage Φ6 2900.
pyrazinamidase, Mycobacterium tuberculosis, clinical isolates, susceptibility, pyrazinamide, antitubercular agents 1785.
Rhizobium nodulation, methodology 7334.
Salmonella abortus-ovis, mutants, live vaccines, efficacy, mice 3253.
Salmonella, antibiotic resistance 12931.
Streptomyces arenae, antitumor agents biosynthesis 11347.
Streptomyces, closed-circular DNA, incidence 8489.
Streptomyces, Nocardia, β-lactam antibiotics biosynthesis, reviews 8746.
syphilis, blood, man, Australia 5352.
tuberculosis, man, Kenya 6177.
urinary tract infection, urography, man 9161.
vaccines, antigenicity, Corynebacterium diphtheriae, tetanus, pertussis, children 5250.
Vigna unguiculata genotypes, disease resistance, blight, Xanthomonas campestris var.vignicola 8155.
water supplies, bacteria, biosynthesis bacteriocins like compounds, inhibition, coliforms growth 4647.
Scrub typhus,
epidemiology, Indonesia 13338.
Rickettsia tsutsugamushi, experimental infection, hypersensitivity (delayed), mice 5215.
Scurpocellaria bertholetti,
larvae, symbiosis, bacteria 2399.
Scutellaria baicalensis,
ogon, structure, antibacterial activity, gram-positive bacteria 3096.
Scylla serrata,
microflora, gut, bacteria 6385.
Sea water,
ecological distribution, bacteria, filtration, electron microscopy, identification 13514.
Sea water, (continued)
halophilic bacteria, salinity tolerance 6441.
sewage, saprophytes, bacteria, survival, adaptations 2477.
sulfate-reducing bacteria, isolation, enumeration, characterization 4649.
Seafood,
ISEW, Indonesia, Clostridium botulinum incidence 1233
most probable number, coliforms, seawater 2527.
Seasonal variations,
Achromobacter, Myxobacteriales, Pseudomonas, abundance, estuaries, Brazil 1235.
Aeromonas hydrophila, red sore disease, agglutinin immune response, Micropterus salmoides 6895
Angiospermae, aquatic environment, nitrogen fixation, nitrogen-fixing bacteria 10801.
Azospirillum lipoferum, nitrogenase, nitrogen fixation, Panicum maximum var trichoglume 7336.
bacteria ATP, salt marshes 1228.
bacteria, species composition, environmental conditions, lakes 9494.
bacteria, sulfur cycles, marine environment 5544.
biogeochemistry cycles, phytoplankton primary production, bacteria, lakes 8235.
Coffee arabica blight, disease spread, Pseudomonas syringae, rainfall effects on 9411.
diarrhea, Enterobacteriaceae, incidence, children, Ethiopia 2028.
distribution, Bdellovibrio, association, estuaries, USA 10816.
distribution, Vibrio parahaemolyticus, marine environment 6448.
eutrophication, bacteria, biodegradation, phytoplankton, urea, levels, lakes 3743.
filamentous microorganisms, enumeration, sediments, lakes, British Isles 2488.
Frankia, nodulation, nitrogen fixation, Myrica gale 12146.
growth, bacteria, temperature tolerance, freshwater environment 13524.
growth, Pseudomonas glycinea, blight, Glycine max 7302.
heterotrophic bacteria, amino acids assimilation, estuaries 10809.
incidence, toxic shock syndrome, factors affecting, man, USA 10118.
Malus pumila blister spot plant diseases, Pseudomonas syringae 9410.
nitrifying bacteria, nitrification, sediments, coastal environment 13525.
nitrogen fixation, Spartina alterniflora 3721.
nitrogen-fixing bacteria, distribution, reservoirs, Brazil 5548.
occurence, Pseudomonas syringae pv.glycinea, Glycine max, cultivars, leaves 13436.
orthophosphate uptake, metabolism, phytoplankton, USA, California Coast 2484.
Pasteurella multocida, pneumonia, incidence, pigs 2356.
phylloplane microflora, yeasts, bacteria, population dynamics, Malus pumila 4627
population density, soil microorganisms, effects on nitrogen mineralization 10797.
respiratory tract infection, epidemiology models, hospitals, man 6188.
Rhizobium trifolii, population studies, USA, North Carolina 3731.
sulfate reduction, bacteria, water, sediments, lakes, temperature effects 3738.
Vibrio parahaemolyticus, Bolation, identification, coastal waters, Mexico 12175.
Vibrio vulnificus, ecological distribution, association, temperature, salinity, coastal waters 13528.
Yersinia enterocolitia, gastroenteritis, incidence, man, USA, Missouri 3357.
Yersinia enterocolitica, gastroenteritis, incidence, man 3358.
Yersinia enterocolitica incidence, rivers, USA, Wisconsin 6435.
Yersinia enterozolitica, Yersinia pseudotuberculosis, isolation, pigs, normal subjects, tonsil 9358.
Seasons,
effects on, soil microorganisms biomass 13476.
Seawater,
coliforms enumeration, suspended matter interference, membrane filtration 7372.
hydrocarbons, metabolism, marine microorganisms, measuring techniques 2478.
Kuwait, coliforms, antibiotic resistance 7830.
+man feces+plankton, antibacterial activity, Escherichia coli, Salmonella typhimurium, Vibrio parahaemolyticus 1784.
most probable number, coliforms, seafood 2527.
5,10-Seco-19-norpregn-5-yne-3,10,20-trione,
inactivation, steroid Δ-isomerase, 5,10-secoestr-5-yne-3,10,17-trione formation, Pseudomonas testosteroni 6591.
5,10-Secoestr-5-yne-3,10,17-trione,
inactivation, Pseudomonas testosteroni steroid Δ-isomerase active sites, amino acid sequence 6664.
inactivation, steroid Δ-isomerase, adducts formation, Pseudomonas testosteroni 6591.
Secondary infection,
Candida albicans, association, Mycobacterium tuberculosis, meningitis, man, case reports 2107.
Pasteurella pneumotropica, association, Kilham rat virus infection, rats 1060.
Secondary metabolism,
Actinomycetes, antibiotics, role survival 11341.
Azotobacter vinelandii, lipids biosynthesis, encystment 11232.
bacteria 10976.
bacteria, genetic engineering, plasmids, conferences, books 12194.
bacteria, regulation 10977.
fungi, bacteria, association, growth, development 8467.
microorganisms, plants, animals 8447.
Secretion,
alkaline phosphatase, role, peptides, identification, amino acid sequence, Escherichia coli 2814.
Bacillus brevis, proteins, cell walls, morphology, factors affecting 1370.
Escherichia coli, lactic acid, pumps, potassium transport 6502.
intestine, Escherichia coli, enterotoxins, induction, inhibition, nicotinic acid, pigs 1838.
intestine, mice, induction, Escherichia coli enterotoxins, inhibition, lanthanum 5173.
maltose-binding protein, Escherichia coli, genetic analysis 8532.
mechanisms, Escherichia coli, gene lamB proteins, association, translation 9693.
mechanisms, Escherichia coli proteins, mutation effects on 8533.
polysaccharides, Rhizobium leguminosarum, Rhizobium trifolii 6667.
propranolol, effects on, intestine, Escherichia coli, enterotoxins, pigs 11525.
Proteus mirabilis, proteinase, survival, pathogenicity, mice 8946.
ribose-binding protein, Escherichia coli 6598.
saliva, dental caries, man, drug addiction, effects on 3298.
Secretions,
cervix, gonorrhea, detection, Limulus lysate test, man 2163.
cervix, immunoglobulin A, infection, Chlamydia trachomatis, man 3392.
intestine, Vibrio cholerae, toxins, pathogenesis, nerves, role 487.
nose, immunoglobulin A, immunoglobulin M, Staphylococcus aureus immunity, man, space flight effects on 8972.

Secretions, (continued)
platelets, immunoglobulins aggregates effects on, role, bacteria endotoxins 491.
respiratory tract, man, Streptococcus pneumoniae isolation methodology, association, antibiotics 10860.
respiratory tract, man, utilization, cystic fibrosis clinical isolates, Pseudomonas aeruginosa, growth 9664.

Secretory immunoglobulin A,
effects on interaction Salmonella typhimurium, intestine, mucin, leukocytes (polymorphonuclear) 11564.

Sediment composition,
nitrogen fixation, bacteria, lakes, British Isles 6432.

Sedimentation,
agglutinins, role, Streptococcus pyogenes, Streptococcus agalactiae, Streptococcus lactis, Staphylococcus aureus, reviews 59.
Escherichia coli nucleoids, centrifugation, effects on 6525.
nucleoids, Caulobacter crescentus, centrifugation 9579.

Sediments,
abundance, sulfate reduction, bacteria, Arctic Ocean 12162.
aquatic ecosystems, microcosms, environmental impact, heavy metals, nutrients 9489
aquatic, sulfate-reducing bacteria, iron-reducing bacteria, denitrifying bacteria, acidogenic bacteria, nitrifying bacteria 3742.
Bacillus, phosphate-dissolving bacteria, distribution 10815
bacteria, ammonification, organic matter decomposition, marine environment 5543.
bacteria, antibiotic resistance, drug resistance, antibiotics, pollution effects, lakes, USA, Vermont 2462.
bacteria, attachment, growth, vertical distribution, coastal waters, USA, New York 10808
bacteria, heavy metals sensitivity, estuaries, USA, North Carolina 7344.
bacteria, nitrification, most probable number 6414.
bacteria population density, marine environment 8205.
British Isles, nitrogen fixation, association sulfate-reducing bacteria 8210.
cellulase activity, bacteria, indicators, environmental stress, , USA, South Carolina 12166.
coastal environment, seasonal variations, ecological distribution, nitrifying bacteria, nitrification 13525.
effects on, coliforms survival, brackish water 8241.
Escherichia coli, survival, indicator species, microbial pollution 12170.
estuaries, denitrification 8195.
estuaries, methanogenic bacteria, sediments, biosynthesis 1576.
estuaries, nitrate reduction 9457.
eutrophic environment, sulfate-reducing bacteria, utilization, hydrogen, sodium molybdenate 137.
filamentous microorganisms, distribution, lakes, British Isles 2487.
filamentous microorganisms, enumeration, seasonal variations, lakes, British Isles 2488.
hydrocarbons, biodegradation, heterotrophic microorganisms, Canada rivers 8223.
intertidal environment, estuaries, Germany, Fed. Rep., bacterioplankton distribution 1247.
ISEW, Indonesia, Clostridium botulinum incidence 1233.
isolates, coliforms, most probable number, taxonomy 5575.
isolation, gram-negative bacteria, fatty acid composition, methodology 12712.
lakes, bacteria, factors affecting methanogenesis 13526.
lakes, bacteria, sulfur inorganic compounds reduction 8226.
marine environment, aerobic bacteria, heterotrophs, relationship, sulfate-reducing bacteria, metals tolerance 12154.
marine environment, bacteria enumeration, fluorescence microscopy 18.
marine environment, British Isles, cellulolytic bacteria enumeration 2498.
marine environment, environmental conditions, anaerobic conditions 8220.
marine environment, methane oxidation, methylotrophic bacteria 1244.
marine environment, sulfate-reducing bacteria, utilization, hydrogen, fatty acids 112.
marine environment, USA, Virginia, bacteria, distribution, identification, association, pollution 12158.
marine environments, Beneckea, isolation, identification 3740.
microorganisms, microenvironments, coal, coke, industrial effluents, effects on 13513.
mineralization, heterotrophic microorganisms, Japan Coast 8230.
nitrogen cycle, sulfate reduction, methanogenesis, decomposition, factors affecting, freshwater environments, British Isles 2490.
nitrogen cycle, sulfate reduction, methanogenesis, decomposition, factors affecting, freshwater environments, British Isles 3735.
ponds, anaerobic microorganisms, diuron biodegradation 8425.
rivers, bacteria biodegradation, pollutants 100.
rivers, polluted environments, bacteria isolates, resistance, metals 8860.
rivers, Thiobacillus, thiosulfate oxidation 10810.
salt marshes, sulfate reduction, sulfate-reducing bacteria, oxidation, hydrogen, acetate 3739.
Streptomyces, fishponds 8224.
sulfide, formation, methanogenesis 3716.
water, lakes, sulfate reduction, bacteria, seasonal variations, temperature effects 3738.

Seed treatments,
calcium peroxide+lime, Hordeum vulgare, effects on Gliocladium roseum, Azotobacter chroococcum, inhibition 1145.
crops, Azotobacter chroococcum effects on seeds germination 13496.
crops, Azotobacter chroococcum, roots specificity 13497.
effects on Cicer arietinum, Rhizobium nodulation 7321.
fungicides, Medicago sativa, effects on Rhizobium meliloti nodulation 1187.
Klebsiella, association, Klebsiella colonization, Raphanus sativus 2440.
lens esculenta, captan, effects on Rhizobium leguminosarum nodulation, yield 1164.
pesticides, effects on, Rhizobium japonicum, Glycine max 8162.
Pseudomonas, effects on Beta vulgaris yield 12108.

Seed-borne diseases,
plant diseases, bacteria, detection 13429.
Pseudomonas solanacearum, infection, Capsicum frutescens, Lycopersicon esculentum, factors affecting 3668.

Seedlings,
Cucumis melo, inoculation, Erwinia tracheiphila, wilt, disease resistance, methodology 13444.
fruit trees, growth, soil microorganisms, soil solarization effects on 12151.
host plants, microorganisms, oviposition stimuli, Hylemya antiqua 8136.
Pinus radiata, dieback, infection, Pseudomonas syringae, identification, characterization 9417.
Trifolium repens, colonization, Rhizobium trifolii, fungi 5533.

Seedlings, (continued)
Trifolium, rhizoplane, microflora, Rhizobium trifolii 3715.

Seeds,
Coriandrum sativum, Pseudomonas, infection, treatment 1144.
Cucumis sativus, relative humidity Pseudomonas lachrymans, effects on 9393.
germination, crops, Azotobacter chroococcum effects on 13496.
germination, exudates, carbon sources, bacteria soil 13500.
germination, growth, Lycopersicon esculentum, inhibition, Pseudomonas tomato, damping-off 3669.
Glycine max, nitrogen content, Rhizobium japonicum hydrogenase nodulation effects on 2454.
Leguminosae, inoculation, Rhizobium, nitrogen fixation, nodulation 9446.
leguminosae, Rhizobium pretreatment, association, germination 10765.
Lycopersicon esculentum, Piper nigrum, survival, Pseudomonas syringae pv.tomato, Xanthomonas campestris pv.vesicatoria 12099.
Malus, plant extracts, agglutination factors, Erwinia amylovora, characterization 4719.
Triticum, inoculation, Pseudomonas putida, disease control, rhizosphere microogranisms 9399.

Segregation,
R factor Rms201, Escherichia coli, temperature-sensitive mutant 7706.

Selection,
allozymes, phosphogluconate dehydrogenase, genes, transduction, Escherichia coli 1588.
host plants, effects on, structure, nodules, Trifolium pratense, Rhizobium trifolii 3717.
Rhizobium japonicum, nodulation, symbiosis, Glycine max 5517.
Streptococcus cremoris, starter cultures, phages infection resistance, cheese production 4977.

Selenalysine,
metabolism, Escherichia coil mutants, association, growth, protein biosynthesis 8463.

Selenium,
content correlation tRNA Glu aminoacylation, Clostridium sticklandii 9691.
dependent growth, glycine fermentation, Clostridium purinolyticum 12449.
effects on in vitro growth, Bacillus isolation, Astragalus crotalariae 11006.
substitution, iron-sulfur centers, ferredoxin, Clostridium pasteurianum 6611.

Selenium fluoride,
effects on Streptococcus mutans growth 4755.

Selenium oxide,
effects on, physiology, metabolism, fractionation association, Clostridium pasteurianum 12329.

Selenomonas ruminantium,
biosynthesis, peptidoglycans cadaverina complex 11225.
continuous culture, oxygen, effects on, growth, metabolism 9615.
continuous culture, starvation, effects on growth 12455.
pectin fermentation, media (culture) 9652.
plasma membranes, proteins, binding, penicillin 3823.
urease, glutamine synthetase, glutamate dehydrogenase, enzymatic activity, media (culture) effects on, inhibitors 370.

Selenomonas ruminatium,
viability, growth, glucose limitations, continuous culture 2671.

Selenomonas sputigena,
septicemia, man, case reports 3484.

Self-assembly,
formyltetrahydrofolate synthetase, temperature effects on, Clostridium acidurici 4924.

Self-association,
prephenate dehydratase, Escherichia coli 4051.
ribosomal protein L7/L12, Escherichia coli 1450.

Semen,
bacteria contamination, infertility, man 10388.
cattle, bacteria isolates, antibiotic sensitivity testing 5047.
cattle, isolation, Haemophilus somnus, epizootiology 9355.
man, isolation, survival, bacteria, association, freezing 2519.

Semiarid environments,
acetylene reduction, Medicago sativa, Lupinus mutabilis, nodulation, Rhizobium 8175.
Caragana arborescens nodulation induction, Rhizobium inoculation 12145.
Rhizobium nitrogen fixation, nitrogen cycle, agricultural practices 9440.

Seminal fluid,
incidence, bacteria, relationship, infertility, genital tract infection, man 872.

Senacarcin A,
antitumor antibiotics, Streptomyces endus subsp.aureus biosynthesis, isolation, characterization 11344.

Senegal,
Arachis hypogaea chlorosis, nodulation, nitrogen fixation 9445.
goats, Mycoplasma agalactiae, agalactia, characterization 3564.
man, maduromycosis, Actinomadura pelletieri, pathology, treatment, Senegal 2193.
Rhizobium, nodulation, nitrogen fixation, inoculation, Glycine max 9443.
Salmonella, isolation, characterization 2535.

Senescence,
effects on, immunity, Listeria monocytogenes, experimental infection, mice 11605.
Rhizobium meliloti, association, photosynthate, Medicago sativa 2446.

Sennosides,
metabolism, intestinal microflora, rats, mice 7224.

Sensitins,
Mycobacterium, identification, hypersensitivity (delayed), guinea-pigs, reviews 5584.

Sensitization,
guinea-pigs, skin tests, BCG antigens, immunoelectrophoresis 3173.
histamine factors, Bordetella pertussis, glycerol release induction, adipocytes, rats 11253.

Separation,
alcohols, Mycobacterium tuberculosis, high-performance liquid chromatography 1577.

Separation techniques,
chromatography, ubiquinone, bacteria 6545.
penicillin N, isopenicillin N, high-pressure liquid chromatography 11349.
tenaquinones, high-performance liquid chromatography, bacteria 9672.

Seperation techniques,
tyberculin, BCG, antigenic relationship, Mycobacterium tuberculosis 8939.

Sepharose,
prophylaxis, diarrhea, Escherichia coli, colonization factor, rabbits 10356.

Sepsis,
abdomen, bacteria, treatment, high-dose tobramycin, ± clindamycin,

Sepsis, (continued)
lincomycin, man 3465
antibiotics treatment, neonates, man 7180
association, bile duct cholestasis, histopathology, man, case reports 11891.
association, cirrhosis, metabolic disorders, pathology, clinical aspects, man 10549
association, false aneurysm, man 13290
association, host response, circulation, metabolism, man 7156
association, hypoglycemia, dogs, case reports 9356
association, subclavin vein catheterization, man 7090
association, tachycardia, neonates, man 8064
bacteria, antibiotics, treatment, association, leukocytosis, fever, man 13316
bacteria, association, amniotic fluid, infection, neonates, man 11935
bacteria, association, diabetes mellitis, foot, man 4513
bacteria, immune response, children 10205.
bacteria, phenylphrine treatment, effects on circulation, man 13336
bacteria, treatment, injecto fructus aurantii immaturus, side effects, man 4474.
biliary tract, man, drainage, treatment 13309
bone, treatment, gentamicin+polymethyl methacrylate beads, man 4486.
burn patients, diagnosis, role, nutritional shifts 11885
Escherichia coli, assocition, stress induction ulcers, animal models 9313.
Escherichia coli, effects on, levels, lipoprotein lipase, fatty acid synthetase, rats, animal models 10516.
Escherichia coli, lung edema, role, immune response, dogs, Papio cynocephalus 1970.
escherichia coli, treatment, cefmetazole, infants, man 996.
gram-negative bacteria, antibiotic resistance, cefotaxime, clinical trials, man 7155
gram-negative bacteria, association, burn patients, gentamicin, serum levels, treatment, man 10505
gram-negative bacteria, association, jaundice, man, case reports 9206
Klebsiella pneumoniae, association, appendicitis, man, case reports 7128.
man, association, somatotropin activity, role, glucose 11874.
man, etiology, bacteria, clinical aspects 13278.
man, netilmicin treatment 9200
man, Staphylococcus aureus infection, immunity, immunosuppression, opsonization fibronectin 10183
management, man 5370.
Neisseria meningitidis, endophthalmitis association, pathogenesis, immunity, man, case reports 11586.
neonates, man, detection methodology 10613.
neonates, man, sepsis, Streptococcus group G infection 10557.
neonates, nosocomial infection, antibiotic resistance Enterobacteriaceae, observation methods, man 9203
pathology, Neisseria meningitidis, children, case reports 2215.
pigs, Pseudomonas aeruginosa infection, lung immune clearance 13024
postoperative infection, association, surgery, colon, rectum, prophylaxis, antibiotics, man 3365
postoperative infection, incidence, complications, man 3489.
rats, hemoglobin chemical modification effects on tolerance 11876
rats neonates, leukocytes (neutrophilic) levels 13022.
Salmonella typhimurium, electrolyte balance, potassium, sodium, Macaca mulatta 2240
Staphylococcus, association, lung abscesses, man, case reports 7146.
Streptococcus, clinical aspects, adults, man 7189.
Streptococcus group B, association, gallbladder distention, infection, man 8067
Streptococcus group B, association, splenectomy, pathology, man, case reports 7125
Streptococcus group B, mortality, epidemiology, neonates, man 2123.
Streptococcus group B, neonates, animal models, immunoprophylaxis, leukocytes (polymorphonuclear) administration 5248.
Streptococcus milleri, diagnosis, clinical aspects, case reports, neonates, man 9279
surgery, nosocomial infection, wound infection, airborne bacteria, man 10597.
treatment, antibiotic 6059-S, children 2134.
treatment, cefotiam, children 1025
Yersinia enterocolitica, infants, man, case reports 3504.
Septa,
nose, abscesses, complications, dental infection, Staphylococcus, man, case reports 11686.
nose, bacteria abscesses, diagnosis, pathology, man 9117.
Septation,
cell division, Caulobacter, morphology 12332.
Escherichia coli, mathematical models 55.
Escherichia coli, mutants, cytoplasmic membranes, role, oxygen, radiation, effects on 2590.
gene products, role, cell cycle, Bacillus subtilis, mutants 6533.
Septic shock,
association, lung edema, children, Neisseria meningitidis 951.
Escherichia coli, effects on membrane potential, skeletal muscle, rabbits 11975.
Escherichia coli, relationship, vasopressin plasma levels, animal models 11962.
gram-negative bacteria, endotoxins, effects on circulation, lymph dynamics, septic shock, rats 3152.
man, treatment 13320.
Septicaemia,
Pseudomonas aeruginosa, cefoperazone treatment, man 10582.
Septicemia,
Actinobacillus actinomycetumcomitans, man, case reports 11901.
Aeromonas hydrophila, case reports, man 2195.
Aeromonas hydrophila, man, case reports 7139.
amino acids solutions treatment, role acidosis, man 13282.
antibiotic resistance bacteria, treatment, fosfomycin, man 11900.
antibiotic resistance, treatment, cephalosporins+aminoglycoside antibiotics, neonates, man 7131.
antibiotics prophylaxis, association, cholecystectomy, man 9311.
antibiotics prophylaxis, association, urinary tract surgery, man 7103.
antibiotics prophylaxis, neonates, man 10533.
antibiotics treatment, neonates, man 7129.
arthritis, pathogenesis, juveniles, horses 10675.
association, bacteria infection, quantitation methodology, man 13347.
association, hernia, diaphragm, Streptococcus group B, infants, man 966.
association, malnutrition, preoperative risk factors, man 10593.
association thromboatopenia, man 13342.
association thrombocytopenia, neonates, man 10556.
Bacillus, man, case reports 9304.
bacteria, association, lymphocytes T lymphoma, man 5375.
Septicemia, (continued)
bacteria, association, rhabdomyolysis, myoglobinuria, renal failure, incidence, man 12023
bacteria, cefoperazone, clinical trials, man 8050.
bacteria, diagnosis, blood culture, methodology 7371
Bacteroides fragilis, Salmonella enteritidis, neonates, man, Saudi Arabia 3549.
Bacteroides fragilis, treatment man, case reports 6279.
bursitis, antibiotics treatment, man 11968.
Campylobacter fetus subsp.jejuni, association, abortion, man, case reports 976.
Capnocytophaga sputigena, pathology, treatment, man, case reports 5355.
Cardiobacterium hominis, man, case reports 2308.
Chromobacterium, presentation, respiratory distress syndrome, man, case reports 2310.
Clostridium perfringens, diagnosis, association, hemolysis, neonates, man, case reports 3466.
diagnosis, prognosis, role, enumeration, microorganisms, blood culture 2246.
diagnosis, radioactive labelling methodology, Escherichia coli, Staphylococcus aureus 8280
dogs, Streptococcus zooepidemicus, case reports 2336.
Enterobacteriaceae, cefotaxime treatment, man 6269.
Enterobacteriaceae, immunocompromised hosts, cotrimoxazole prophylaxis, immunocompromised hosts 8863.
Erwinia herbicola, diagnosis, Epidemiology, immune response, treatment, children, case reports 3516.
Escherichia coli, association, enteritis, osteomyelitis, immunosuppression, man, case reports 9289.
Escherichia coli, association, gases embolism, diagnosis, clinical aspects, man, case reports 2226.
Escherichia coli, diagnosis, pigs 4581.
Escherichia coli, Streptococcus group B, treatment, plasmapheresis, neonates, man 6263.
Fusobacterium necrophorum, respiratory function, man, case reports 10463
gram-negative bacteria, antibiotic resistance, cefotaxime treatment, man 6268.
gram-negative bacteria, epidemiology, man 9272.
gram-negative bacteria, geriatrics, man 5369.
gram-negative bacteria, mezlocillin treatment, man 13130.
gram-negative bacteria, Staphylococcus, netilmitin, antibacterial activity, man 7113.
gram-negative bacteria, susceptibility, relationship, lysozyme levels, blood, umbilical cord, neonates, man 2290.
gram-negative bacteria, treatment cefotaxime, man 6270.
Haemophilus influenzae, association, multiple myeloma, man, case reports 3416.
Haemophilus influenzae type c, neonates, man, case reports 8062.
infants, man, synthetic artery infection, bacteria 11877.
Klebsiella ozaenae, association, leprosy, man, case reports 3526.
Listeria monocytogenes infection, central nervous system diseases, man case reports 6235.
Listeria monocytogenes, isolation, neonates, Macaca fascicularis 10686.
man, diagnosis, case reports, Propionibacterium acnes 883.
man, Fusobacterium necrophorum, metastasis, case reports 7140.
man, pancreas abscesses, septicemia, Haemophilus segnis infection 8053.
man, treatment, cefotaxime, antibacterial activity, Enterobacteriaceae, cephalothin resistance 8772.
mezlocillin treatment, clinical trials, man 13263.
Mycoplasma, juveniles, cattle 9337.
Neisseria meningitidis, meningitis, factors affecting, military personnel, man 12028.
Neisseria meningitidis, presentation, gastroenteritis, treatment, man, case reports 3483.
nosocomial infection, bacteria, Epidemiology, man 1042.
nosocomial infection, blood pressure monitoring medical equipment, etiology, man 11872.
nosocomial infection, epidemiology, intensive care units, neonates, man 972.
nosocomial infection, Staphylococcus epidermidis, antibiotic resistance, intensive care units, man 4465
nutrient requirements, man 13297.
postoperative infection, colon surgery, prophylaxis, doxycycline, man 1015.
Pseudomonas aeruginosa, treatment, cefsulodin, man 1036.
Pseudomonas, blood culture, detection, treatment, clinical trials, man 8072.
Pseudomonas, rabbits immunoglobulins, immunization (passive), mice 11648.
role oral microflora, leukemia, man 6271.
Salmonella typhimurium infection, nosocomial environments, case surveys 6264.
Selenomonas sputigena, man, case reports 3484.
Serratia marcescens, treatment, amikacin, man 1012.
Shigella sonnei, association, intestine perforation, bone marrow aplasia, man, case reports 8040.
Staphylococcus, association, acupuncture, case reports, man 10565.
Staphylococcus aureus, antibodies serum levels, man 8979.
Streptococcus acidominimus, arthritis, man, case reports 9211.
Streptococcus, clinical aspects, diagnosis, treatment, man 11994.
Streptococcus group B, association, endophthalmitis, treatment, neonates, man 10625.
Streptococcus group B, treatment, long-term effects, neonates, man 11868.
Streptococcus mitis, man, neonates, case reports 8011
Streptococcus pneumoniae, association, spleen atrophy, ulcerative colitis, man 11884.
Streptococcus pneumoniae, penicillin treatment, steroids effects on, association, splenectomy, animal models 10615.
treatment, antibiotics, pepsin immunoglobulin G, man 1016.
treatment, cefmetazole, infants, man 985.
treatment, cefotaxime, man 938.
treatment, cefotaxime, man 7121.
treatment, fosfomycin, Escherichia coli, Serratia, Staphylococcus, man 3551.
treatment, immunoglobulins, neonates, man 1916.
Vibrio alginolyticus, Sparus aurata 3596.
Vibrio cholerae, man, case reports 13323.
Vibrio vulnificus, man, case reports 958.
Yersinia enterocolitica, association, cellulitis, man, case reports 2181
Yersinia enterocolitica, association, immunocompromised hosts, case reports, man 7207.
Yersinia enterocolitica, clinical aspects, man, case reports 9108.
Yersinia enterocolitica, intestine pathology, man, case reports 5395.
Yersinia enterocolitica, man, case reports 3540
Septopan,
disinfectants, antibacterial activity, Pseudomonas aeruginosa, Bacillus subtilis 409.

Septoria nodorum,
+Xanthomonas translucens, Pseudomonas cepacia, effects on, photosynthesis, transpiration, Triticum aestivum 1141.
Septrin,
Neisseria gonorrhoeae, antibiotic sensitivity testing, Nigeria 1731.
Serine,
effects on drugs activity, Escherichia coli mutants 10022.
Pseudomonas, biosynthesis 3930.
Pseudomonas, temperature-sensitive mutant, biosynthesis 3935.
transport, Proteus, trimethylamine oxide, anaerobic respiration, phosphorylation 5660
Veillonella alcalescens, biosynthesis, enzymes identification 192.
L-Serine,
biosynthesis, Nocardia butanica mutants, role magnesium phosphates 7531.
D-Serine dehydratase,
biosynthesis, Escherichia coil, catabolite repression, induction, association, cyclic AMP 8622
Escherichia coli, mutants, overproduction, chemostats 1632.
Serine hydroxymethyltransferase,
Micrococcus varians, Bacillus licheniformis, glycine effects on activity 8613.
L-Serine O-sulfate,
inactivation glutamate decarboxylase, N.M.R., Escherichia coli 11192.
Serine proteinase,
interaction β-lactam antibiotics, effects on bonding 12584.
intracellular, Bacillus brevis, association, sporulation, purification, characterization, 12672
structure-activity relationships, Bacillus thuringiensis, Thermoactinomyces vulgaris 11213.
Seriola quinqueradiata,
Yersinia pseudotuberculosis vaccines development, vaccination 1908
Seroepidemiology,
agglutinins, Listeria monocytogenes, man 9226.
Brucella canis, brucellosis, dogs 9364.
Chlamydia trachomatis infection, cord blood, neonates, man 7045.
Escherichia coli enterotoxins, pigs 11518.
Escherichia coli infection, man, ethnic groups 11757.
hepatitis B surface antigen, syphilis, homosexual behavior, man, Netherlands 2176.
immunoglobulin G, Legionella pneumophila, indirect fluorescent antibody test, Norway, man 11607.
intestinal microflora, expression, hepatitis B surface antigen, man 11658.
Legionella pneumophila, antibodies, detection, agglutination, man 6876.
Legionella pneumophila, occupational exposure, legionnaire's disease, man 6996.
legionnaire's disease, man, USA, Michigan 6984.
Leptospira infection, antigens, organotropism, dogs 2395.
Leptospira interrogans ser.hardjo infection, cattle, Antilocarpa american, USA, Colorado 8115.
leptospira interrogans, wildlife, Australia 1100.
Mycoplasma putrefaciens, goats, USA, California 1080.
Neisseria gonorrhoeae, Neisseria meningitidis, gonorrhea, sexually-transmitted diseases, homosexuality, man 10435.
non-specific urethritis, Chlamydia trachomatis, Ureaplasma urealyticum, man 7049.
plague, Yersinia pestis, Rattus rattus, Rattus norvegicus 9233.
Rickettsia tsutsugamushi, Macaca fascicularis, Malaysia 1076.
Serratia marcescens infection, clinical isolates, bacteriocin typing, Japan 13354.
Serological surveys,
Brucella abortus, agglutinins, serum levels, detection, horses 11587.
brucellosis, Brucella, syncerus caffer 6345.
brucellosis, cattle, Togo 13376.
detection, Yersinia enterocolitica, infection, cattle, pigs 3632.
Escherichia coli, hemagglutinins, resistance, mannose 3238.
infection farms, Coxiella burnetii, Chlamydia, cattle, man, Czechoslovakia, 4489.
infection, pigs 4582.
Legionella pneumophila, infection, man, antibody response 7955.
Leptospira, antibodies, sheep, British Isles 6353.
Leptospira infection, Bothrops, Crotalus durissus terrificus, agglutination assays, serological surveys 7252.
Leptospira interrogans ser. pomona, Mephitis mephitis, Canada 3623.
leptospirosis, Leptospira interrogans, occupational exposure, meat industry, man 13352.
leptospirosis, Leptospira, strains, Rattus norvegicus, Rattus rattus, factors affecting, infection 13392.
man, Brucella infection, abattoirs, occupational exposure 4509.
Rocky Mountain spotted fever, subclinical infection, children, man 6276.
tuberculosis, man 6300.
Serological testing,
Salmonella pullorum infection, chickens 1119.
Serological tests,
antibodies, production, immunoglobulin G, Treponema pallidum, neurosyphilis, man 6084.
bacteria, clinical microbiology, identification, infection, methodology, man, books 12192.
Chlamydia trachomatis infection, man, diagnosis, antigenic characteristics 8915.
comparison, diagnosis, contagious equine metritis, Haemophilus equigenitalis, immune response, horses 11619.
diagnosis, epizootics, domestic animals 3165.
diagnosis, syphilis, man 2159.
diagnosis, syphilis, man, reviews 2137.
gram-positive bacteria, identification, clinical microbiology 5578.
identification, Enterobacteriaceae, clinical aspects, isolation 10911.
identification, Haemophilus, isolation, culture, clinical aspects 10893.
identification, Leptospira, cultural characteristics, clinical aspects 10926.
reviews, animals pathogens detection, bacteria 11529.
Rickettsia, clinical aspects, isolation, identification, man 10914.
sexually-transmitted diseases, phospholipids relationship antigenic characteristics 7907.
Streptococcus group A, rheumatic fever, man 7109.
syphilis, diagnosis, standardization, USSR 3423.
syphilis, ethnic groups, Kenya 4445.
syphilis, immunodiagnosis, man 3422.
syphilis, positive, man, diagnosis 11852.
syphilis, Treponema pallidum, methodology 11862.
Serology,
brucellosis, Brucella abortus, occupational exposure, abattoirs, man 6286.
leptospirosis, Leptospira interrogans ser.hardjo, abortion, cattle 6351
Serotypes,
Campylobacter fetus subsp.jejuni infection, outbreaks, man, institutions 3352.
Chlamydia trachomatis, antigens, proteins, radioactive labelling, electrophoresis, characterization 1478.
Corynebacterium equi, identification 1320.
Erysipelothrix rhusiopathiae, incidence, pigs, USA, USA, Puerto Rico 1319.
Escherichia coil, clinical isolates, genitourinary tract infection, man, Hong Kong 9156.
Escherichia coli, enterotoxins, association, colonization antigens 1795.
Escherichia coli, isolation, cattle, juveniles 4707.
Escherichia coli, urinary tract infection, biosynthesis, toxins, hemolysins 1800.
gonorrhea, incidence, homosexuals, man 2138.
Haemophilus paragallinarum, hemagglutinins, characterization 511.
Legionella longbeache, characterization 2576.
lipopolysaccharides, Pseudomonas aeruginosa, distribution, clinical isolates 6674.
Nitrobacter, ecology, soil 5524.
Pasteurella multocida, antigenic characteristics, reviews 4255.
Pfeifferella anatipestifer, ducks, USA 4703.
Salmonella, incidence, origin, France 1325.
Salmonella, Salmonellosis outbreaks, man, Argentina 4526.
Salmonella, transmission, Larus, incidence, antibiotic resistance 6473.
Streptococcus, abortion, horses 4547.
Streptococcus group A, correlation, L form induction 5609.
Streptococcus pneumoniae clinical isolates 4687.
Streptococcus pneumoniae, distribution, man, Italy 1318.
Streptococcus pneumoniae, incidence, diseases, man, hospitals, USA, Wisconsin 7157
Streptococcus pneumoniae, incidence, man, Canada 1014.
Vibrio cholerae, Nigeria isolates, antigenic characteristics 1866.
Yersinia enterocolitica, incidence, enteritis, man 1251.
Serotyping,
Aeromonas hydrophila, Aeromonas sobria 48.
agglutinins, distribution, Neisseria gonorrhoeae 6045.
Bacillus fragilis, use, fluorescent antibody test 1298.
bacteria, antigenic characteristics, methodology 9553.
bacteria, nosocomial infection, epidemiology, methodology 9577.
Bacteroides fragilis, man isolates, use, immunofluorescence 1295.
Brucella, brucellosis, man, Greece 7382.
brucellosis, cattle, Nigeria 7262.
Campylobacter fetus subsp.jejuni 12274.
differential diagnosis, psittacosis, Legionnaire's disease, man 11743.
epidemiology, Neisseria gonorrhoeae, man, Sweden 33.
Escherichia coli, antibody-coated bacteria, urinary tract infection, man 8927.
Escherichia coli clinical isolates, urinary tract infection, association, antibiotic resistance 11832.
Escherichia coli, relationship, pathogenicity 1291.
Escherichia coli, sheep, abattoirs 1065.
Haemophilus influenzae, bacteremia, meningitis, infection source, man 2283.
Haemophilus influenzae, counter immunoelectrophoresis, agglutination 3794.
Haemophilus influenzae, meningitis, man 9167.
Haemophilus parahaemolyticus, indirect fluorescent antibody test 47.
Legionella pneumophila isolation, lakes, characterization, association, legionellosis, man, Bulgaria 10931.
Listeria, carriers, Insectivora, Rodentia, Bulgaria, People's Rep. 7385.
man, Belgium, Yersinia enterocolitica infection surveillance, reviews 8070.
methodology, Campylobacter jejuni, infection, man, epidemiology 7912.
methodology, Streptococcus 12241.
Mycobacterium, agglutination 5582.
Mycobacterium, antigenic characteristics, cultural characteristics 6037.
Mycobacterium simiae, synonymy, Mycobacterium habana, taxonomy, hydridization 9569.
Neisseria gonorrhoeae, agglutination 36.
Neisseria gonorrhoeae, penicillinase, antibiotic sensitivity testing, agar dilution test 3058.
Neisseria gonorrhoeae, protein I antigens, comparison, agglutination, enzyme-linked immunosorbent assay 8900.
Pasteurella haemolytica, cattle animal isolates 9538.
Pasteurella multocida, cattle, buffaloes, Malaysia 34.
Providencia stuartii, urinary tract infection, nosocomial infection, man, hospitals 2082
Pseudomonas aeruginosa 12278.
Pseudomonas aeruginosa, agglutination 12276.
Pseudomonas aeruginosa flagella 52.
Rickettsia 9572.
Rickettsia, Dermacentor andersoni isolates, USA, Montana 49.
Rickettsia, pathogenicity, spotted fevers, animals 13411.
Salmonella, clinical isolates 12277.
Salmonella, clinical isolates, epidemiology, man 9220.
Salmonella fulda sp.nov., nomenclature, taxonomy 10918.
Salmonella, new taxa 6468.
Shigella, clinical isolates, epidemiology, man 9219.
Streptococcus, Aerococcus, identification, methodology 10907.
Streptococcus group A, throat isolates, methodology, Phadebact test 2541.
Streptococcus group B, isolates, cattle, man 2550.
Streptococcus, latex agglutination 2537.
Streptococcus mutans, strains, agglutination, methodology 12237.
Streptococcus, pathogenicity, animal isolates, pigs 10924.
Streptococcus pneumoniae clinical isolates 6481.
Streptococcus pneumoniae, Italy 30.
Streptococcus pneumoniae, strains, antibiotic resistance 9999.
Ureaplasma urealyticum, immunofluorescence 3788.
Yersinia enterocolitica, biochemical characteristics, water, food isolates 8293.
Serpentes,
Salmonella, transmission (transovarial), distribution, pathogenicity 6355.
zoological gardens, stomatitis, association, bacteria oral microflora, USA, Tennessee 8121.
Serrata,
nosocomial infection, epidemiology, hospitals, man 10564.
Serratia,
alafosfalin, antibacterial activity 5070.
antibacterial activity, antibiotic HR 756 1729.
antibacterial activity, cefotaxime, cephalosporins 5914.
antibacterial activity, meclocycline, potentiation, association, propyl gallate 8790.
antibacterial activity, thiolactomycin 11360.

Serratia, (continued)
antibiotic MK0787, antibacterial activity, β-lactam antibiotics 7783
antibiotic sensitivity testing, N-formimidoyl thienamycin comparison β-lactam antibiotics 5902
antibiotic SQ 27,860 isolation, characterization 11345.
antibiotics activity, 7-hydroxytropolon 6773
association, arthritis, reviews 6305
cefmetazole, antibacterial activity, serum levels, man, high-performance liquid chromatography 9947
cefotiam antibacterial activity 1719
ceftazidime, antibacterial activity, in vitro 357
clinical isolates, antibacterial activity, rocephin 5060
etiology, pathogenesis, pneumonia, man 4381
exotoxins, pathology, immunity, Eisenia fetida andrei 6066
eye diseases, drug sensitivity testing, case surveys 7111.
infection, cefotaxime treatment, intensive care units, man 6281
infection, cefotaxime treatment, man 6265
infection, cefotaxime treatment, man 6272
infection, man 938
infection, man, antibiotics treatment, reviews 9265
infection, treatment, cefmetazole, infants, man 985
Nocardia thiolactomycin antibacterial activity 7715.
pili, hemagglutinins, characterization 10165
plasmids mediation, antibiotic resistance, aminoglycoside antibiotics 401.
postoperative infection, man, surgery, antibiotics treatment 10580.
septicemia, antibiotic resistance, cefotaxime treatment, man 6268
septicemia, endocarditis, treatment, fosfomycin, man 3551
taxonomy, isolation, plants 4712.
urinary tract infection, cefotaxime treatment, man 6213.
urinary tract infection, man, treatment, nitrofurantoin, methenamine 11797.
Serratia ficaria,
characterization, esterase electrophoresis 12665
clinical isolates, isolation, figs, man 2297
Serratia fonticola,
characterization esterase electrophoresis 12665
Serratia liquefaciens,
etiology, mastitis, cattle 5462
intestinal microflora, expression, hepatitis B surface antigen, seroepidemiology, man 11658
pili, hemagglutinins, characterization 10165
Serratia marcescens,
airborne microorganisms, samplers 9496
aminoglycoside adenylyltransferase, purification, substrate specificity 1485.
antibacterial activity, aminoglycoside antibiotics 6783.
antibacterial activity, antibiotic synergism, erythromycin+colistin 5049.
antibacterial activity, cefotiam 6800
antibacterial activity, cefsulodin, ± ticarcillin, ± mezlocillin, in vitro 359
antibacterial activity, ceftizoxime, cefazolin 1708
antibacterial activity, cephalosporins 9933
antibacterial activity, moxalactam, cefotaxime, thienamycin, cefsulodin 4166
antibacterial activity, rosaramicin 368
antibacterial activity, treatment, urinary tract infection, minocycline, man 1737.
antibiotic resistance, amikacin, plasmids, characterization 7834
antibiotic resistance, cephalosporins inhibition penicillinase 8814.
antibiotic resistance, relationship, pigments biosynthesis 5951
antibiotic T-1551, antibacterial activity 9964
antigen O agglutination, immunoglobulin G, man, association, antibacterial activity 8995
antigen O, leukocytes phagocytosis, Serratia marcescens effects on 10194
antigenic characteristics, antigen H, antigen O 6882
arginine biosynthesis, arginine resistant mutant bacteria 4833
+Bacillus thuringiensis+Pseudomonas fluorescens, infection, Bifiditermes beesoni, disease transmission, feeding behavior 4601
bacteremia, endocarditis, burn infection, treatment, cefotaxime, children 685
bacteremia, man, saline solution, intensive care units, hospitals 3474.
carboxylase, activity, glucose, glycerol 12650
cefodizime, antibacterial activity 11409
cefsulodine+β-lactam antibiotics, antibacterial activity, antibiotic sensitivity testing, antibiotic synergism 3018
ceftazidime, antibacterial activity 5076
chitin hydrolysis, chitinase 5745
chloramphenicol resistance, mechanisms, role, chloramphenicol acetyltransferase 8804
cis-N6-(4-hydroxy-isopentenyl)-2-methylthioadenosine identification, tRNA 12534
clinical isolates, antibacterial activity, ceftazidime 5066
clinical isolates, antibiotic resistance, surveys, Japan 10009
clinical isolates, bacteriocin typing, infection seroepidemiology, Japan 13354
clinical isolates, proteolytic enzymes, activity, serum, proteins 11221
Clinical isolates, trimethoprim drug resistance 10061.
cloning, OmpA gene proteins, membranes, Escherichia coli, Shigella dysenteriae, Enterobacter aerogenes 6608
conjugation, transfer, pigments biosynthesis activity, antibiotic resistance 9852
contamination, air purification unit effects on 7346.
crown rot, Medicago sativa, USA, Pennsylvania 12104.
drug resistance, chlorhexidine, disinfectants, contamination, hospitals 3114
endocarditis, clinical aspects, treatment, geographical variations, narcotics addicts, man 2323.
endocarditis, diagnosis, management, association, drug addiction, man 11939
endotoxins, effects on platelets, blood, dogs 10081
enumeration, surface microlayer distribution 6445
experimental infection, thiolactomycin treatment, mice 11931.
R factors, cephalosporins antibiotic resistance, membrane permeability 6750
R factors, role, penicillinase biosynthesis, membrane permeability, β-lactam antibiotics 5889.
N-formimidoyl thienamycin, cephalosporins, ureidopenicillins, antibacterial activity, comparison 5928.
growth, intravenous administration fluids+albumin 4751.
immobilization, use, carrageenins gels 179.
infection, antibiotic resistance, chloramphenicol, streptomycin, tetracycline, ampicillin, hospitals, neonates, man 3069.
infection, contact lenses, pathogenesis, man 7097.
infection diagnosis, antibodies detection, Enterobacteriaceae antigens cross-reaction, man 11592
Serratia marcescens, (continued)
infection, man, antibacterial activity, ceftriaxone 9216
infection, treatment amikacin, man 7130.
infection, treatment, antibiotic 6059-S, children 1752.
infection, treatment, moxalactam, antibiotic resistance, pharmacokinetics, man 3446.
infection, treatment, thiolactomycin, mice 8049.
intestinal microflora, expression, hepatitis B surface antigen, seroepidemiology, man 11658
keratitis, association, eyedrops contamination, treatment, man, case reports 10453
keratitis, pathology, role, proteinase, rabbits 1091.
keratitis, treatment, association, contact lenses, man 1009.
β-lactam antibiotics, antibiotic sensitivity testing, antibiotic synergism 3011.
lipase, gel filtration, methodology 8591.
mastitis, cattle, teat dips, antibiotics treatment, case reports 13393.
membrane permeability, vacuum effects on 12282.
β-methylnorleucine, biosynthesis, antibacterial activity 2982.
β-methylnorleucine, biosynthesis, pathway, role, aspartate aminotransferase 3918.
microbial metalloproteinase, inactivation man plasma α1-proteinase inhibitor 7543.
morphology, cefmenoxime, antibacterial activity 3027.
morphology, cefmenoxime, effects on 4177.
morphology, vacuum effects on 12299.
nitrogen, effects on, humic acids, soil, Acer saccharum, Picea mariana 3724.
nosocomial infection, benzalkonium chloride contamination, hospitals, animals 2351.
nosocomial infection, clinical isolates, antibiotic resistance, man, USA, Tennessee 10605
nosocomial infection, Epidemiology, Veterinary medicine hopsitals, dogs, cats 4565.
nosocomial infection, outbreaks, neonates, man 2178.
outer membranes proteins, ompA gene, Escherichia coli gene expression 12805.
penicillinase, cephalosporinase, purification, chracterization 5756
pili, agglutination, isolates, urine, man 5622.
pili, hemagglutinins, characterization 10165.
pneumonia, pathology, clinical aspects, man 13154.
prodigiosin, biosynthesis 12870.
prodigiosin biosynthesis, sodium dodecyl sulfate effects on 5693
respiratory tract infection, treatment, dibekacin, man 759.
septicemia, netilmitin, antibacterial activity, man 7113.
septicemia, treatment, amikacin, man 1012.
tuftsin, bactericidal activity, immunostimulation, phagocytosis, macrophages, mice 6070
urinary tract infection isolates, antibacterial activity, antibiotic MK-0366, in vitro 8823
urinary tract infection, nosocomial infection, association, medical instruments, disease control, man 10406
virulence, mice, association antigen O 11552.
Serratia marinorubra,
enumeration, surface microlayer distribution 6445.
pili, hemagglutinins, characterization 10165
Serratia marscescens,
population dynamics, succession, biodegradation, Copra, Cocos nucifera 6542.
Serratia odorifera,
characterization, esterase electrophoresis 12665
Serratia plymuthica,
pili, hemagglutinins, characterization 10165.
Serum,
agglutination assays, brucellosis screening, cattle 12064
agglutinins, induction, gram-positive bacteria, infection, rats, mice 10223.
+antibiotics, synergism, antibacterial activity, man, in vitro 12882.
antibodies, immunoglobulins, levels, urinary tract mixed infection, man 1899
antibodies, Pseudomonas aeruginosa, infection, detection, man 3187.
antibody agglutination, Eubacterium, Peptostreptococcus, diagnosis, Crohn's disease, man 8916
antitoxins, levels, Escherichia coli, vaccination, effects on, pigs 1885.
assays, antibodies, Streptococcus, mice, animal models 6072.
bactericidal activity, Haemophilus somnus, assays 5214.
bactericidal activity, Pseudomonas aeruginosa, susceptibility, man, in vitro 1883
bactericidal activity, resistance, association, antibiotic resistance, Escherichia coli 5952
Brucella, antibodies, incidence, Artiodactyla, Germany, Fed Rep. 3637
cattle, stimulation, Escherichia coli, Salmonella typhimurium, growth, role, iron, siderophores 2673
complement, antibacterial activity, Escherichia coli, protoplasts, lipopolysaccharide composition, role, man 1877
complement, antibacterial activity, plaques immunoassays, Neisseria gonorrhoeae 11533
+culture (media), effects on Chlamydia trachomatis, juveniles, cattle 5559
diagnosis, Legionnaire's disease, recurrent infection, man, case reports 2009
diagnosis, Leptospira interrogans, enzyme-linked immunosorbent assay 3164.
diagnosis, neurosyphilis, man 2174.
diagnosis, Rocky Mountain spotted fever, meningitis, Neisseria meningitidis, man, gas-liquid chromatography 2288
effects on Neisseria gonorrhoeae, relationship, protein I content, colonial characteristics 3230
endotoxins assays, man, erythrocytes, Limulus polyphemus 3119
Escherichia coli, antigen K1, association, intestinal microflora, neonates, man 6053
factors, complement C4 activation, bactericidal activity, Salmonella, mice 13025.
factors, role, leukocytes (polymorphonuclear), intracellular killing, Streptococcus pneumoniae, electron microscopy 3224.
glucose, ratio, cerebrospinal fluid, diabetes mellitus, meningitis, man 2126.
immunosuppressive factors, effects on lymphocytes response, mitogens, association, leprosy, man 9073.
josamycin antimicrobial activity, association, oral administration, man 10455
levels, ampicillin, treatment, meningitis, relationship, administration routes, man 899
man, antigen-antibody complexes, syphilis, leprosy, association 1842.
man, association, treatment, penicillin sensitivity tests, Neisseria gonorrhoeae 9974
man, effects on antibacterial activity, cefoperazone, man, clinical isolates

Serum, (continued)
9935.
man, effects on, Neisseria meningitidis, growth, binding, immunoglobulins 4283.
man, immune response, Escherichia coli, association, antibodies, complement 11614.
man, pregnancy, fetuses, serum, Rickettsia tsutsugamushi antibodies 577.
man, Staphylococcus aureus, clinical isolates, antibody-coated bacteria, electron microscopy 3233.
Neisseria gonorrhoeae, phenotypes, factors affecting, resistance, man, in vitro 12954.
neutralization gram-negative bacilli endotoxins induction hypotension, rabbits 10263.
peptides, antibacterial activity, isolation, rabbits 1792.
peptidoglycans effects on complement, Neisseria gonorrhoeae, man 5799.
pregnancy, fetuses, man, Rickettsia tsutsugamushi antibodies 577.
Pseudomonas aeruginosa antibodies, cystic fibrosis, immunological aspects 4308.
rabbits, antibacterial activity, Escherichia coli, Pseudomonas putida, Clostridium perfringens 7865.
rabbits, peptides, antibacterial activity, composition 1789.
rabbits, peptides, antibacterial activity, effects on electron transport, Bacillus subtilis 1780.
regulation, lymphocytes response, syphilis, Treponema pallidum, experimental infection, rabbits 10182.
resistance, association, Yersinia enterocolitica virulence 6035.
resistance, induction, Neisseria gonorrhoeae, culture (media) 5986.
resistance, relationship, clinical aspects, disseminated infection, Neisseria gonorrhoeae, man 930.
temperature, association, hemagglutination, syphilis diagnosis, man 4248.
Yersinia enterocolitica, agglutinins, levels, relationship, feces, mice 4275.
Serum bactericidal activity,
complement alternative pathway, factors affecting 531.
role, complement alternative pathway, atopy, man 532.
Streptococcus group B, strains, neutrophils, man 579.
tobramycin± cefotaxime, moxalactam, Pseudomonas aeruginosa, Staphylococcus aureus, man 313.
Serum diagnosis,
Legionnaire's disease, man, case reports, France 2005.
Serum levels,
antibodies, bacteremia, association, man 8989.
antibodies, Campylobacter fetus subsp.jejuni infection, agglutination, complement fixation, immunofluorescence, comparison, man 8912.
antibodies, Escherichia coli, Proteus mirabilis, relationship, surgery, man 550.
antigen-antibody complexes, fibrosis, lung, relationship, Thermoactinomyces vulgaris, man 9008.
antigen-antibody complexes, relationship, leprosy, man 697.
Brucella, Yersinia enterocolitica, infection, antibody response, man 8954.
metronidazole, relationship, incidence, Bacteroides, fecal microflora, Crohn's disease, man 834.
Serum proteins,
binding, kanendomycin 316.
levels, association, diagnosis, treatment, urinary tract infection, man 4294.
opsonization, Streptococcus pneumoniae, leukocytes (polymorphonuclear), intracellular killing 3215.
Sesbania rostrata,
role, Rhizobium, nitrogen fixation, role nif gene 8688.
2-O-Sesterterpanyl-3-O-phytanyl-sn-glycerol,
salt lakes, Halococcus, Halobacterium, membrane structure, isolation 8643.
Setamycin,
actinomycetes, biosynthesis, antibacterial activity, antifungal activity 2984.
biosynthesis, characterization, Actinomycetes 9912.
Setaria anceps,
intraspecific interactions, Desmodium intortum, effect on, nitrogen fixation, growth 10771.
Setaria italica,
leafspot, Xanthomonas campestris 12095.
nitrogen fixation, Azospirillum brasilense, relationship, temperature, developmental stages, fertilization 3725.
Setonix brachyurus,
reproductive status, effects on microflora 12032.
Settling behavior,
substrate specificity, metamorphosis, interspecific relationships, bacteria, Janua brasiliensis 2499.
Severe combined immunodeficiency,
man, incidence, Pneumocystis carinii pneumonia 5292.
Mycobacterium kansasii disseminated infection, clinical aspects, man, case reports 5359.
Sewage,
comparison, rivers, isolation, Bdellovibrio, host range, morphology 10930.
digestion (anaerobic), bactericidal activity, Escherichia coli, Salmonella typhimurium, Vibrio parahaemolyticus 10049.
effects on nitrogen-fixing bacteria, nitrogen fixation, lakes, British Isles 1243.
Enterobacteriaceae, drug resistance, lysogeny, colicinogeny 453.
isolates, Enterobacter, Escherichia coli, antibiotic resistance 11440.
isolates, phage C-1, plasmid IncC, characterization 4998.
isolation, coliforms, media (selective) 8.
PCB, biodegradation, microorganisms 7434.
Pseudomonas aeruginosa isolates, media (enrichment) 10868.
saprophytes, bacteria, survival, adaptations, sea water 2477.
Sewage effluents,
coliforms, isolates, antibiotic resistance, transfer, Escherichia coli 12932.
Sewage sludge,
bacteria, denitrification, nitrate reduction 4628.
composting, endotoxins, gram-negative bacteria, occupational exposure, man 3688.
effects on denitrifying bacteria, salt marshes 1230.
extracts, effects on, radioresistance, Escherichia coli, Pseudomonas 4219.
filamentous bacteria, biochemical characteristics 10992.
soil amendment, bacteria decomposition, population dynamics 9433.
Streptococcus faecalis, radiosensitization, use, anions 442.
Sewage treatment,
sludge, tricresyl phosphate biodegradation, models 6541.
slurries, pigs, models, biodegradation, ponds 7345.
Sewage treatment plants,
Netherlands, incidence, Listeria monocytogenes 12177.
Sex,
relationship, incidence, Clostridium tetani, tetanus, antitoxins, man, Italy
Sex, (continued)
4309.
Sex differences,
sexually-transmitted diseases, diagnosis, man 2136.
Sex hormones,
effects on Neisseria gonorrhoeae colonial characteristics clinical isolates 10934.
man, females, effects on dental plaque, Bacteroides, Fusobacterium 5282.
role susceptibility genital tract infection, Streptococcus zooepidemicus, horses 10680.
Sex pheromone,
stimulation, Streptococcus faecalis, plasmids, antibiotic resistance, transfer 2907.
Sexual behavior,
association, risk factors, toxic shock syndrome, man 10125.
relationship, risks, infection, hepatitis A virus, hepatitis B virus, association, syphilis, man 3427.
relationship, sexually-transmitted diseases, incidence, man 7086.
Sexual intercourse,
relationship, urinary tract infection, man, females 2051.
Sexually transmitted diseases,
non-specific urethritis, epididymitis, Chlamydia trachomatis, clinical aspects, treatment, males, man 9154.

trachoma, congenital infection, epidemiology, man 13235.

Chlamydia trachomatis, association, contraceptives (oral), females, man, British Isles, surveys 2150.
Chlamydia trachomatis, man, reviews 10440.
clinical aspects, epidemiology, man, reviews 2139.
clinical aspects, epidemiology, man, reviews 7081.
gonorrhea, chancroid, pelvic inflammatory disease, man, Zimbabwe, incidence 2170.
Haemophilus ducreyi, Haemophilus vaginalis, Calymmatobacterium granulomatis, isolation, identification, characterization 11854.
homosexuality, Neisseria gonorrhoeae, Neisseria meningitidis, gonorrhea, seroepidemiology, man 10435.
incidence, homosexuality, females 921.
incidence, man, Saudia Arabia 2142.
incidence, prophylaxis, bacteria 6249.
isolation Chlamydia trachomatis, screening, clinical isolates, culture systems 6452.
man, bacteria infection, drugs treatment, reviews 11859.
man, characterization, reviews 9185.
man, epidemiology, world 13236.
man, infection, Chlamydia trachomatis, sexually-transmitted diseases, treatment, tetracyclines 9197.
man, infection, Streptococcus group B 9191.
man, reviews 10414.
man, Spain, surveys 2146.
man, syphilis, clinical aspects 13247.
Neisseria gonorrhoeae, Trichomonas vaginalis, females, man, British Isles, surveys 2150.
prophylaxis, man, reviews 2165.
prophylaxis, role, contraceptives, man 2154.
relationship, sexual behavior, incidence, man 7086.
serological tests, phospholipids relationship antigenic characteristics 7907.
streptococcus group B antibodies levels, man 929.
treatment, disease control, man 13227.
treatment, man, conferences 13546.
treatment, man, reviews 13224.
Shake culture,
Escherichia coli, colicins, biosynthesis, competition, agar media 3676.
phenol, statistical analysis, bacteria, biodegradation, factors affecting 3839.
Shales,
nitrogen fixation, legumes, Rhizobium symbiosis 8204.
reclaimed land, revegetation, soil properties, nitrogen fixation, enzymatic activity, soil microorganisms 3692.
Sheath blight,
Oryza sativa, Rhizoctonia solani isolates, proteins, enzymes, electrophoresis 12557.
Sheep,
abortion, association, Campylobacter fetus subsp.intestinalis infection, Mexico 10664.
abortion, bacteria, prophylaxis, Cyprus 1087.
abscesses medulla oblongata, association, bacteria infection, case reports 9350.
annual ryegrass toxicity, Lolium, Corynebacterium infection, pathology, South Africa 8099.
Brucella ovis infection, isolation, new records, case reports, Australia 7237.
brucellosis, vaccines production, immunological aspects 11637.
Corynebacterium pseudotuberculosis infection, heart pathology 5466.
Corynebacterium rathayi toxins effects on nervous system 8892.
Corynebacterium renale, cystitis, pyelonephritis, case reports 5469.
Dermatophilus congolensis, orf virus, +experimental infection, pathology 4586.
digestive tract, gnotobiotics (germfree), Escherichia coli, antagonism, Lactobacillus 1125.
endotoxins, Escherichia coli, endotoxemia, hemodynamics 3136.
epididymitis, Brucella ovis, immunodiagnosis, enzyme-linked immunosorbent assay, immunofluorescence, complement fixation 13409.
epididymitis, Escherichia coli, clinical aspects, pathology 12067.
erythrocytes, Klebsiella pneumoniae infection, polysaccharides, effects on, antibody response 11626.
erythrocytes, use, passive hemagglutination, antibodies detection, Mycoplasma mycoides subsp.mycoides, infection, cattle, immune response 11628.
Escherichia coli endotoxins induction, lung, injuries, treatment, methylprednisolone 1837.
Escherichia coli, isolation, abattoirs 1065.
Escherichia coli, isolation, abattoirs 3604.
experimental infection, Ehrlichia phagocytophilia± Chlamydia psittaci, association lung lesions 10699.
feeds digestion, silage, Medicago sativa, Zea mays 12029.
foot rot, Bacteroides nodosus vaccination antibody response 629.
foot rot, Bacteroides nodosus vaccination antibody response 653.
foot rot, immunization, Bacteroides nodosus vaccines, antigens, association, pili 10247.
foot rot, treatment, oxytetracycline 2348.
gastrointestinal tract, lymph nodes, incidence, Salmonella, abattoirs 3638.

Sheep, (continued)
gastrointestinal tract, microorganisms activity, vitamin B$_1$, abundance, relationship 3558
genitourinary tract, isolation, Ureaplasma, Acholeplasma laidlawii, British Isles 7278.
grazing, Lolium rigidum, parasitism, Anguina agrostis, Corynebacterium rathayi, association, toxicity, kidney pathology 8879.
Haemophilus ovis isolation, vagina discharges, Canada 7234.
heartwater fever, immunity, dithiosemicarbazone effects on 8953.
in vivo culture, staphylococcus aureus, growth, virulence 8929.
infection, Eperythrozoon ovis, suckling behavior, juveniles, diseases protection 9371.
isolates, Mycoplasma mycoides subsp.mycoides, role, cross-resistance, Mycoplasma mycoides subsp capri infection, mice 3249.
juveniles, carbohydrates fermentation, large intestine 12039.
juveniles, Chlamydia psittaci, experimental infection, oral administration 6374.
juveniles, Clostridium perfringens toxoids, vaccination 7958
juveniles, diarrhea, Campylobacter fetus subsp.jejuni, isolation, pathogenicity 3597.
juveniles, diarrhea, Salmonella arizonae, Escherichia coli, Salmonella dublin 10652
juveniles, experimental infection, Escherichia coli± rotavirus, pathology 3582
juveniles, gnotobiotics, growth, rumen microorganisms, function 6380.
juveniles, gnotobiotics (specific pathogen free), Mycoplasma ovipneumoniae strains effects on 8124.
juveniles, gnotobiotics (specific pathogen free), pathogenicity, infection, Mycoplasma ovipneumoniae, Pasteurella haemolytica 8123.
juveniles, mixed infection, adenovirus (ovine)± Pasteurella haemolytica, pathogenesis 12075
Leptospira interrogans ser.hardjo antibodies detection, enzyme-linked immunosorbent assay 3163.
lung circulatory system, streptococcus group B endotoxins effects on 492.
lung endotoxemia, Escherichia coli, nitroprusside effects on edema, pathology 10130
lung experimental infection, Pasteurella haemolytica, immune response (cell-mediated), phagocytosis 10199.
lymph nodes, immune response, Staphylococcus aureus, vaccines 3252.
lymphocyte transformation, Mycoplasma arthritidis, mitogens, antigenic characteristics, specificity 6887.
males, Brucella ovis, infection, prophylaxis, Brucella melitensis, vaccination 4327
males, genital tract infection, pathology, bacteria 1055.
mastitis, prophylaxis, Staphylococcus aureus vaccines 619.
meningoencephalitis, Listeria monocytogenes, outbreaks, Australia 3590.
Mycobacterium, paratuberculosis, diagnosis 3644
opsonins biosynthesis, Staphylococcus aureus vaccination effects on 10244.
paratuberculosis, outbreaks 13388
Pasteurella haemolytica experimental infection, pathology 7288.
pathogenesis, parainfluenza virus 3+Pasteurella haemolytica mixed infection 5489.
pneumonia, role, Chlamydia 5459.
pregnancy, Chlamydia psittaci experimental infection 1081.
prostaglandins, treatment, lung endotoxemia, Escherichia coli 10114.
rumen, isolation, Bacteroides ruminicola, Lactobacillus, Butyrivibrio fibrisolvens 5451.
rumen, linseed oil effects on, organic matter digestion, microorganisms protein biosynthesis 10637.
rumen microorganisms, biodegradation, straw, ammonification 8079.
rumen microorganisms, fungi, cellulose, biodegradation, methanogenic bacteria, effects on 3679
rumen microorganisms, protein biosynthesis, association, ammonia 6326.
rumen, microorganisms, protein biosynthesis, feeding trials, nitrogen sources, effects on 3559
rumen microorganisms, urea metabolism, sucrose effects on 13360.
salmonellosis, Salmonella typhimurium, isolation 12063.
salmonellosis, vaccination, side effects, abortion 9061
serological surveys, Leptospira, antibodies, British Isles 6353.
stomach, milk, cheese, Lactobacillus, isolation, identification 9549.
strike, Lucilia cuprina, association, streptotrichosis, Dermatophilus congolensis 2350.
Toxoplasma gondii, toxoplasmosis, immunosuppression, role, vaccination, Chlamydia, louping-ill virus 5262.
vaccination, Pseudomonas aeruginosa, production, immune serum 8917.
vaccination, Salmonella abortis-ovis, salmonellosis, oral administration 11644.
vaccination, Salmonella abortus ovis, abortion prophylaxis, 3242.
weaning, relationship, mastitis prophylaxis, antibiotics 2391.
zoonoses, Q fever, outbreaks, man 2271.
Shelf-life,
milk, sterilization, heat resistance psychrophilic bacteria 9656.
Shellfish,
Escherichia coli, coliforms, enumeration, methodology 1274.
food poisoning, Vibrio cholerae, gastroenteritis, association, water pollution, man, case reports 3362.
Shigella,
antibacterial activity, antibiotic HR 756 1729.
antibacterial activity, mecillinam, ampicillin, tetracycline, chloramphenicol, cotrimoxazole 1699.
antibiotic resistance, association, diarrhea, children 5957.
antigens, detection, agglutination, tests, dysentery, salmonellosis, man 1847.
clinical isolates, serotyping, epidemiology, man 9219.
detection, India ink immunoreaction, man, Nigeria 3159.
diarrhea, children, India 2039.
diarrhea, incidence, case surveys, children 7014.
diarrhea, man 13183.
drug resistance, R factors, identification 12835.
drug sensitivity testing, nifuroxazide 5130.
dysentery, incidence, man, contamination, water supplies, Libya 7985.
dysentery, pathology, treatment, man 11788.
dysentery, treatment, ampicillin, compound Ro-12-2510, comparison, man 2042.
enterotoxins, association diarrhea, clinical aspects, children man Ethiopia 6019.
erythromycin susceptibility 6815.
etiology, gastroenteritis, children, Trinidad 5312.
gastroenteritis, diagnosis, leukocytes enumeration, children 10372.
gastroenteritis, etiology, epidemiology, man, institutions 807.
gastroenteritis, man, reviews 7028.
infection, imported diseases, Switzerland, man 2250.
Shigella, (continued)
infection, infants, man, diarrhea 11758.
infection, Macaca fascicularis, diseases characterization 9344.
infection, neonates, man 7100.
infectious diseases, interaction, nutritional status, role, case surveys, children 7160.
isolation, diarrhea, man, socio-economic aspects 9140.
isolation, media (selective), feces, man 2521.
shigellosis, case surveys, pediatrics, treatment, children 13177.
shigellosis, prophylaxis, association, bacteriocins production Escherichia coli, animal models, man 13184.
shigellosis, treatment, cefamandole, ampicillin, cotrimoxazole, man 3437.
shigellosis, treatment, lactulose, nalidixic acid, man 837.
strains, clinical isolates, production, colicin 12877.
strains, colicins, bacteriocinogeny, identification 12876.
virulence, role, plasmids 11336.
Shigella boydii,
antibiotic sensitivity testing, streptomycin, tetracycline, ampicillin, chloramphenicol 6825.
growth, Mueller-Hinton agar, γ radiation sterilization 3762.
Shigella dysenteriae,
antibiotic resistance, infection, man, epidemics, Zaire, plasmids association, characteriztion 8744.
antibiotic sensitivity testing, streptomycin, tetracycline, ampicillin, chloramphenicol 6825.
cloning, OmpA gene proteins, membranes, Escherichia coli, Enterobacter aerogenes, Serratia marcescens 6608.
dysentery, clinical aspects, role, antigen-antibody complexes, man 544.
experimental infection, effects on thermal stability, plasma proteins, rabbits 13173.
ompA gene, DNA nucleotide sequence, comparison Escherichia coli 5821.
toxins, toxicity, mice 11482.
Shigella flexneri,
antibiotic sensitivity testing, streptomycin, tetracycline, ampicillin, chloramphenicol 6825.
antigens, vaccination, immunoglobulin A immunological memory, rabbits 6906.
biodegradation, glycoproteins, intestine, characterization, mice 5677.
catalase, role, survival, macrophages 13051.
cell membranes, protein compostion 8363.
colitis, clinical aspects, man 2043.
experimental infection, effects on thermal stability, plasma proteins, rabbits 13173.
gas production, R plasmid effects on 2925.
infection, children, dysentery, treatment, antibiotics± adaptogens 10362.
infection, man, association, Reiter's disease 11807.
invasiveness, genetic control, plasmids 9830.
Reiter's disease, etiology, physiopathology, factors affecting, man 11949.
serotypes, antigens, immunity, mice, guinea-pigs 11624.
serotypes, outer membranes, structure, electrophoresis 10950.
survival, factors affecting, relationship, food hygiene 3864.
temperature tolerance, rivers 13512.
transformation, genetic analysis 12802.
typhoid fever, enteritis, diarrhea, carriers rate, man 10376.
Shigella sonnei,
antibacterial activity, extracts, Chlorophyceae, Rhodophyceae 5141.
I antigen gene, transfer, Salmonella typhi, vaccines production 5835.
catalase, role, survival, macrophages 13051.
clinical isolates, incidence R factors, antibiotic resistance, Col plasmid, Hungary 10017.
clinical isolates, typing methodology 2561.
colicin typing, methodology, geographical distribution, frequency 9571.
colicins, production, antibacterial activity, Escherichia coli, genetic analysis 12916.
DNA polymerase I deficient mutant, nitrosoguanidine, induction, mutagenesis 2863.
endotoxins stimulation, leukocytes (mononuclear), platelets, coagulation, man 12986.
experimental infection, effects on thermal stability, plasma proteins, rabbits 13173.
R factor R485, association, pili 12844
gastroenteritis, outbreaks, Brazil, children, man 7991.
infection, children, dysentery, treatment, antibiotics± adaptogens 10362.
infection, man, association, Reiter's disease 11807.
lipopolysaccharides, antigenic characteristics, immunogenicity, animal models 13008.
septicemia, association, intestine perforation, bone marrow aplasia, man, case reports 8040.
survival, factors affecting, relationship, food hygiene 3864.
temperature tolerance, rivers 13512.
transfer Pseudomonas plasmid RPL11 penicillinase 6756.
typing, British Isles isolates 2554.
virulence, inhibition immunological memory, mice 13049.
virulence, role, plasmids 517.
Shigellosis,
man, association, Reiter's disease, epidemiology 11807.
outbreaks, treatment, children, hospitals 5316.
prophylaxis, association, bacteriocins production Escherichia coli, animal models 13184.
shigella, case surveys, pediatrics, treatment, children 13177.
treatment, cefamandole, ampicillin, cotrimoxazole, man 3437.
treatment, lactulose, nalidixic acid, man 837.
Shipping fever,
pneumonia, bovine rhinotracheitis, Pasteurella, interaction, herpesvirus (bovine) 1, pathology, etiology, cattle, reviews 10693.
Shock,
association, bacteremia, leukocytes (polymorphonuclear) adherence, man 6319.
association, Weil's disease, man, case reports 11906.
circulatory system, role, peritonitis, bacteria, man 3441.
Escherichia coli endotoxins, effects on myocardium, dogs 8881.
Shoot blight,
Picea pungens, USA, North Carolina, Sirococcus strobilinus, new records 9388.
Shoots,
harvesting, Lotus corniculatus, association, nodules characterization, activity 8191.
Showdomycin,
Escherichia coli antibiotic resistance, characterization 5103.

Shunts,
central nervous system, infection, diagnosis, man, case reports, Propionibacterium acnes 883.
cerebrospinal fluid, association, infection, methicillin prophylaxis, children 9315.
cerebrospinal fluid infection, bacteria, antibiotics treatment, man 11978.
cerebrospinal fluid, infection, Staphylococcus aureus, reviews, man 9169.
cerebrospinal fluid, man, infection, Staphylococcus, antibiotics treatment 10433.
cerebrospinal fluid, treatment, hydrocephalus, postoperative infection, bacteria, children 2261.
glyoxylate, Escherichia coli, mutants, fadR gene, acetic acid transport, utilization 1617.
glyoxylic acid, gene regulation, enzymes, Escherichia coli 6719.
hemodialysis, association, Staphylococcus aureus, bacteremia, man 3442.
hydrocephalus, silicone, antibacterial activity, Staphylococcus aureus 441.
peritoneovenous, blood, infection, man, dental manipulation, relationship, Streptococcus 13351.
Sialic acid,
esterification, immunoelectrophoresis, Neisseria meningitidis, Escherichia coli 5792.
neuraminidase, role, Streptococcus infection, glomerulonephritis, man 3379.
role, adherence, erythrocytes, Mycoplasma pneumoniae 11546.
role, antibody response, Streptococcus group B, antigens, mice 11629.
Siblings,
children, Neisseria meningitidis meningitis, association, complement deficiency, case reports 988.
Sicily,
Zanardinia prototypus, Cystoseira balearica, Lophocladia lallemandii, Laurencia obtusa, antimicrobial activity, Bacillus subtilis, Phoma tracheiphila, tobacco mosaic virus 1767.
Sickle cell disease,
association, bacteria infection, children, Zaire 3486.
association, pneumonia, Mycoplasma pneumoniae, case reports, man 6185.
association, ulcers, leg, complement abnormalities, man 691.
man, Salmonella enteriditidis lipopolysaccharides opsonization, role, complement alternative pathway 583.
osteomyelitis, salmonellosis, man 9257.
Salmonella osteomyelitis complications, man, case reports 2189.
Streptococcus pneumoniae vaccination antibody response, man 657.
Side effects,
association, treatment, disseminated infection, tuberculosis, man 11934.
Bordetella pertussis+Clostridium tetani+Corynebacterium diphtheriae, vaccination, infants, children, man 3246.
cefadroxil, treatment, bacteria, infection, children, man 4479.
cefadroxil, treatment, bacteria, infection, children, man 4534.
cefadroxil, treatment, bacteria, respiratory tract infection, children, man 4407.
cefadroxil, treatment, bacteria, respiratory tract, urinary tract, infection, children, man 4404
cefoxitin, treatment, bacteria, respiratory tract infection, man 4403.
encephalitis, Bordetella pertussis vaccines adjuvanticity, children 6930.
influenza virus+Streptococcus pneumoniae vaccination, man 614.
injecto fructus aurantii immaturus, treatment, bacteria, sepsis, man 4474.
β-lactam antibiotics treatment, bacteria infection, man, case surveys 9314.
leprosy, treatment, dapsone, man, case reports 1925.
measles vaccination, differential diagnosis, toxic shock syndrome, adolescents, case reports 5321.
neutropenia, vancomycin treatment, Staphylococcus aureus infection, children, case reports 6312.
pericarditis, tetanus immunization, man 10245.
Salmonella abortus-ovis vaccination, abortion, sheep 9061.
treatment, tuberculosis, lung, man 1996.
vaccination, Streptococcus pneumoniae, man 10253.
Siderochelin,
Nocardia, biosynthesis, antimicrobial activity 2975.
Siderophores,
iron, role, stimulation, growth, Escherichia coli, Salmonella typhimurium, serum, cattle 2673.
mycobactin, Mycobacterium paratuberculosis, Mycobacterium avium, reviews 12737.
Signal peptides,
ompF gene proteins, amino acid sequence, Escherichia coli 9710.
peptidase, genes, genetic engineering, Escherichia coli 8660.
Silage,
feeds digestion, Medicago sativa, Zea mays, sheep 12029.
Sorghum vulgare, effects on rumen microorganisms fermentation 12040.
Silicon,
distribution, Bacillus coagulans spores, electron probe analysis 87.
Silicone,
antibacterial activity, Staphylococcus aureus, hydrocephalus shunts 441.
Silicosis,
relationship, serum levels, copper, iron, zinc, man 1980.
Silicotuberculosis,
relationship, serum levels, copper, iron, zinc, man 1980.
Silk,
biodegradation, soil Streptomyces 8424.
Silver,
antibacterial activity, preservation bone allografts 8846.
effects on Escherichia coli phosphate, transport, uptake 12305.
ions drug resistance, Thiobacillus ferrooxidans, iron-oxidizing bacteria, isolation, characterization 4220.
Silver nitrate,
antimicrobial activity 7862.
Silver sulfadiazine,
treatment, decubitous ulcers, man 5430
Simazine,
effects on, Cicer arietinum, nodulation, nitrogen fixation 7331
Singapore,
gonorrhea, penicillinase, man, epidemiology 2169
Single-cell protein,
amino acid composition, Glycine max wastewater treatment, Rhodopseudomonas gelatinosa 6614.
Cellulomonas, production, cellulose biodegradation, chemical modification, bagasse 3852,
crop residues, biodegradation, biomass, technology, reviews 9624.
Sinus,
Staphylococcus aureus infection, man, toxic shock syndrome 11943.
Sinusitis,
association meningitis, bacteria, man, case reports 9172.
bacampicillin treatment, man 13124.
bacteria etiology, treatment, diagnosis, man 764.
bacteria, treatment, children 13134.
Mycoplasma gallisepticum, pathology, Meleagris gallopavo, case reports 10691.
nosocomial infection, gram-negative bacteria, treatment, man 9112.
Streptococcus pneumoniae, Haemophilus influenzae, anaerobic bacteria, diagnosis, man 13133.
treatment, bacampicillin, man 6995.
Siomycin A,
analogs, synthesis, antibacterial activity 3033.
Sirococcus strobilinus,
Picea pungens, shoot blight, USA, North Carolina, new records 9388.
Sisomicin,
aerosols treatment, bronchopulmonary infection, gram-negative bacteria, man 10352.
antibacterial activity, gram-negative bacteria, clinical isolates 1706.
antibacterial activity, Pseudomonas 5055.
antibacterial activity, Serratia marcescens, Klebsiella pneumoniae, Salmonella, Proteus, Erwinia, Citrobacter freundii, Staphylococcus aureus, Streptococcus faecalis 6783.
antibiotic sensitivity testing, bacteria 320.
antibiotic synergism, azlocillin, mezlocillin, antibacterial activity, Pseudomonas aeruginosa 9968.
treatment, bacteria infection, association, surgery, neonates, children 10629.
treatment, bacteria respiratory tract infection, man 10351.
treatment, gram-negative bacteria infection, man, comparison, gentamicin 10602.
treatment, respiratory tract infection, Staphylococcus aureus, Pseudomonas aeruginosa, children 10345.
Sisomycin,
+ampicillin, treatment, gram-negative bacteria infection, man 984.
Sister chromatid exchange,
recA gene protein directed, mechanisms, Escherichia coli 8671.
Site location,
Escherichia coli DNA frameshift mutation, preferences 12502.
Sites,
recombination, DNA, integration, phage λ, Escherichia coli 273.
Sitosterol,
biodegradation, Mycobacterium, variants, cleavage, side chains 10997.
β-Sitosterol,
biodegradation, bacteria 12364.
metabolism, Nocardia, factors affecting 11235.
Size distribution,
phytoplankton, primary production exudates, nutrient sources, bacteria, coastal environment, eutrophic environments 12163.
plankton, relationship respiration 1239.
Sjogren's syndrome,
clinical aspects, juveniles, man, case reports 8056.
Skeletal muscle,
insulin resistance, dogs, Escherichia coli endotoxin shock 5174.
insulin resistance, dogs, Escherichia coli endotoxin shock 5179.
lactate dehydrogenase, bacteria, mycoplasma, infection, effects on, man 7221.
membrane potential, rabbits, septic shock Escherichia coli effects on 11975.
mice, lysosomal enzymes, toxins effects on 6860.
Skeletonema,
detritus, bacteria, community composition 3866.
Skeletonema costatum,
attractants, chemotaxis, Flavobacterium, Pseudomonas 8161.
exudates, primary production metabolites, utilization, bacteria 10813.
interspecific relationships, adherence, growth, light, Flavobacterium 1376.
Skim-milk,
comparison, poly(vinylpyrrolidone), lyophilization, Bacteroides fragilis, thermal stability 7354.
Skin,
abscesses, etiology, children 680.
acne, lipids 5268.
association, endocarditis, Neisseria mucosa, commensals, pathogenicity, reviews, case reports, man 9297.
bacteria, aggregation, man 3266.
bacteria, burn infection, adherence, antibiotic therapy, man, reviews 3274.
burns, effects on lung clearance, Pseudomonas aeruginosa, rats 11728.
cleaning products, bacteria contamination, chlorhexidine antibacterial activity 446.
gentamicin antibiotic resistance Enterobacteriaceae isolation sites, man, hospitals 3273.
hand, microflora, man, characterization 6141.
hygiene, antiseptics, antimicrobial activity, in vivo, in vitro 408.
incidence, Staphylococcus aureus, association, renal failure, immunocompromised hosts 6948.
infection, Streptococcus aureus, bacampicillin treatment, man 13076.
infection, Streptococcus, cefaclor treatment, clinical trials, man 13264.
inflammation, Neisseria gonorrhoeae extracts induction 8878.
isolates, bacteria, spores, ultrastructure, mummy 7413.
isolates, Brevibacterium, man, antibiotics biosynthesis 4148.
isolates, man, Corynebacterium, antibiotic resistance, media (enrichment) 3754.
isolates, Micrococcaceae, diptheroids, Propionibacterium, antagonism, man 3681.
isolates, Micrococcaceae, Propionibacterium, diphtheroids, antagonism, man 1156.
Langerhans cells role immune response, bacteria antigens, guinea-pigs 10190.
leprosy, distribution, man, body temperature, effects on 3275.
lesions, infants, man, association, tuberculosis 11899.
lesions, leprosy, Mycobacterium leprae, immunoperoxidase test, man 9018.
lesions, Pseudomonas aeruginosa, rabbits 4573.
lesions, Staphylococcus aureus, diagnosis, man, case reports 3287.
lipids, tetracycline, minocycline effects on, acne, Propionibacterium acnes, man 13082.
man, leprosy, microvasculature ultrastructure 13091.
man, Mycobacterium leprae, leprosy, lipids, detection 1932.
man, psoriasis, Malassezia ovalis, Staphylococcus epidermidis effects on 10288.
man, tuberculosis, lesions, case reports 11663.
microflora, arm, man 11653.
microflora, man, antiseptics effects on 10027.
microflora, psoriasis, treatment, man 13077.
mycobacteriosis, epidemiology, swimming pools, chlorination effects on, man, France 3276.
Mycobacterium ulcerans, ulcers, diagnosis, treatment, man, case reports 4366.

Skin, (continued)
  pathology, Bacillus anthracis anthrax, leather transmission, man 5276.
  permeability factors, detection, Salmonella wien clinical isolates, in vitro 4230.
  Pityrosporum, isolation, media (selective), identification, man 5557
  rabbits, Aeromonas hydrophila enterotoxins toxicity 11514.
  reaction, Salmonella typhimurium, experimental infection, antigen O 10175.
  response, Staphylococcus aureus protein A, man 1924
  Staphylococcus aureus isolates, biotyping, protein A detection 35
  tuberculosis, epidemiology, treatment, clinical aspects, man, German Dem. Rep. 11660
  tuberculosis, immunity (cell-mediated), man 1904
  tumors, man, cross-reactivity, Streptococcus group A antigens 524.
Skin diseases,
  bacteria, epidemiology, children, Brazil 11664.
  bacteria, incidence, man, Ethiopia 6940
  fucidin treatment, man 13080
  levamisole treatment effects on immune response (cell-mediated), Staphylococcus infection, skin diseases, man 9075
  man, infection, bacteria, fungi, treatment, conferences 10827.
  man, treatment, infection, fungi, bacteria, parasites, conferences 10834
  mucosa, bacteria, man, reviews 13087
  Salmonella abortus ovis, mice resistance, association Eimeria falciformis parasitism 6147.
  Staphylococcus aureus, man 13078.
  Staphylococcus aureus, Staphylococcus epidermidis, treatment, man 6947.
  Staphylococcus infection, levamisole treatment effects on immune response (cell-mediated), man 9075
  tropical environment, man, treatment 10292.
Skin infection,
  association, systemic lupus erythematosus, immunological aspects, man, case reports 8998
  bacteria, fungi, treatment, gentamicin+miconazole+betamethasone, man 5271.
  bacteria, josamycin, treatment, neonates, man 10310.
  bacteria, treatment, ceftriaxone, man 8047
  Mycobacterium intracellulare, pathology, man 10290.
  Neisseria gonorrhoeae, diagnosis, treatment, man 10289
  treatment, inactivation bacteria topical application induction immune response, animal models 7934
Skin microflora,
  bacteria, relationship, postoperative infection, man 676
Skin tests,
  diagnosis, farmer's lung, Micropolyspora faeni, hypersensitivity, characterization, man 7938
  hypersensitivity (delayed), use, detection, immune response, Salmonella infection, cattle 8906
  hypersensitivity, Mycobacterium tuberculosis antigens, man 591.
  sensitization guinea-pigs, BCG antigens, guinea-pigs, immunoelectrophoresis 3173.
  tuberculin, association, leukocyte migration inhibition, man 6030.
  tuberculin, BCG vaccination, age effects, children 660.
  tuberculin, cattle, association, Mycobacterium, contamination, milk 4561
  tuberculin, diagnosis, tuberculosis, man 11918.
  tuberculosis, Mycobacterium tuberculosis, man, children, South Africa Rep , effects on, hypersensitivity (delayed) 5291
Skull,
  bacteria abscesses, diagnosis, treatment, case reports, man 13314.
  tuberculosis, diagnosis, treatment, man, Mycobacterium tuberculosis 1024.
Slides,
  blood culture, comparison, peptone liquid culture, isolation clinical isolates 4669
  heat fixation, sputum, Mycobacterium tuberculosis survival, role infection man 4674
Slimes,
  experimental infection, immune serum, immunization (passive), mice 9065.
  Pseudomonas aeruginosa, glycolipoproteins, activation, complement alternative pathway, man 2733.
  Pseudomonas aeruginosa, glycolipoproteins, polysaccharides isolation, characterization 220.
  Pseudomonas aeruginosa, M form, experimental infection, immune serum, immunization (passive), mice 9065.
  Pseudomonas aeruginosa, M form, vaccination, immunity, keratitis, rabbits 9062.
  Streptococcus cremoris, extracellular polymers, biosynthesis 8632.
  vaccination, Pseudomonas aeruginosa, M form, mice 9052.
  Xanthomonas malvacearum cell surface, role, Gossypium hirsutum blight 9409
Sludge,
  isolation, Legionella jordanis sp.nov., indirect fluorescent antibody test 3779.
  tricresyl phosphate biodegradation, sewage treatment models 6541.
Slurries,
  Clostridium botulinum, toxins, biosynthesis, pigs 1796.
  pigs, biodegradation, sewage treatment models, ponds 7345.
  soil amendment, effects on soil microorganisms, bacteria 8196.
Small intestine,
  ablation, immunity (humoral), pathogenicity, Escherichia coli endotoxins, rats 12981.
  epithelium, Lactobacillus, Torulopsis pintolopesii, movement rates, gnotobiotics (germfree) cells effects on, mice 10724.
  man, leprosy relationship 13088.
  ultrastructure, electron microscopy, colibacillosis, Escherichia coli, neonates, cattle 6352.
Smears,
  identification, Mycobacteria 4714.
  sputum, Mycobacterium tuberculosis, acid-fast staining, microscopy 4662.
Soaps,
  antibacterial activity, Staphylococcus aureus 4204.
Social hierarchy,
  effects on dental caries, bacteria, epidemiology, Finland, children 11689.
Socio-economic aspects,
  effects on, oral hygiene, dental diseases, children, man, Nigeria 3295.
  incidence, dental caries, children 6950.
  man, diarrhea, isolation, Shigella, Salmonella 9140.
Sodium,
  coupling, glutamate transport, Escherichia coli 78.
  effects on acid production, Streptococcus mutans, Streptococcus sanguis 5812.
  efflux, α-aminoisobutyric acid, active transport, Chromatium vinosum 3815.
  electrolyte balance, sepsis, Salmonella typhimurium, Macaca mulatta 2240.
  gradients, Halobacterium halobium membranes, role, ATP biosynthesis 10946.
Sodium, (continued)
  ions, effects on, succinate dehydrogenase, electron transport, bacteria isolates, marine environments 2677
  pumps, protons, characterization, thermophilic bacteria 2625.
  pumps, Streptococcus faecalis, adenosinetriphosphatase 9597.
  Streptococcus faecalis, transport, stoichiometry 6505.
  transport, Escherichia coli, mechanisms, reviews, plasma membranes vesicles 12293.
  transport, reconstitution, relationship, oxaloacetate decarboxylase, liposomes, Klebsiella aerogenes 3981.
  transport, Vibrio alginolyticus, pH, relationship membrane potential 10952.
  Vibrio parahemolyticus, role α-aminoisobutyric acid transport 6504.
Sodium arsenate,
  biodegradation, bacteria 107.
  biodegradation, microorganisms, chemostats 120.
Sodium chlorate,
  intoxication, diseases, cattle, france 4575.
Sodium chloride,
  effects on, Clostridium botulinum, toxins production, pork slurries 474.
  effects on, Escherichia coli, Staphylococcus aureus 8430.
  effects on, growth, Edwardsiella tarda, marine environment 12173.
  effects on, growth, temperature tolerance, food poisoning bacteria 3840.
  effects on Moraxella+Acinetobacter colonies 5127.
  effects on, Salmonella, adherence, muscles tissues, chickens 2598.
  effects on sodium chloride 5985.
  preservatives, antibacterial activity, Salmonella typhimurium 5129.
  ± water, effects on Erwinia chrysanthemi pectate lyase biosynthesis 12681.
Sodium clofibrate,
  Actinomyces viscosus, effects on levansucrase biosynthesis 8619.
Sodium dodecyl benzenesulfonate,
  antibacterial activity, Thiobacillus novellus, Thiobacillus denitrificans, Thiobacillus ferrooxidans 5963.
Sodium dodecyl sulfate,
  antibacterial activity, Thiobacillus novellus, Thiobacillus denitrificans, Thiobacillus ferrooxidans 5963.
  Corynebacterium glutamicum, effects on L-lysine biosynthesis 9703.
  dissociation Micrococcus lysodeikticus catalase 8565.
  effects on enterotoxins tertiary structure, U.V. spectroscopy, Clostridium perfringen 5045.
  effects on, Serratia marcescens, prodigiosin biosynthesis 5693.
Sodium dodecylbenzene,
  susceptibility, use, identification, bacteria 12272.
Sodium fluoride+calcium glycerophosphate,
  treatment, dental caries, Streptococcus mutans, rats 6958.
Sodium fluoride,
  antibacterial activity, Streptococcus mutans, pH effects on 7843.
  effects on Streptococcus mutans growth 4755.
  +iodine, antibacterial activity, dental caries, rats, Streptococcus mutans, in vitro 4550.
  topical application, effects on dental caries, oral microflora, rats 1962.
Sodium hydrogen 3-(N-hydroxyformarnido)propylphosphonate,
  antibacterial activity, in vitro, in vivo 1765.
Sodium hypochlorite,
  antibacterial activity, Escherichia coli, Streptococcus faecalis, assays 3078.
Sodium isoascorbate,
  effects on, Clostridium botulinum, toxins production, pork slurries 474.
Sodium lignosulfonate,
  microorganisms, mixed culture, biodegradation 8397.
Sodium molybdenate,
  utilization, sulfate-reducing bacteria, sediments, eutrophic environment 137.
Sodium nitrate,
  effects on, Clostridium botulinum, toxins production, pork slurries 474.
Sodium nitrite,
  antibacterial activity, Salmonella typhimurium, Clostridium perfringens, Micrococcus, Escherichia coli 5128.
  effects on, Clostridium botulinum, toxins production, pork slurries 474.
  inhibition, Clostridium botulinum, metabolism, preservatives, cured products 8820.
  +pH, inhibition, catalase, bacteria 11135.
Sodium nucleinate,
  +penicillins+levamisole, treatment, syphilis, man 9193.
Sodium pentachlorophenate,
  effects on, nitrogen fixation, Azotobacter, soil 4620.
Sodium pentosanpolysulfate,
  prevention, urinary tract infection, association, bacteria adherence, man 7047.
Sodium phosphate,
  effects on Moraxella+Acinetobacter colonies 5127.
Sodium selenite,
  effects on, cadmium toxicity, Staphylococcus aureus 443.
Sodium sulfite,
  microorganisms, mixed culture, biodegradation 8397.
Sodium-8-chlorotheophyllinate,
  treatment, effects on, immune response, Enterobacter cloacae experimental infection, mice 13370.
Soft rot,
  Erwinia carotovora, antibacterial activity, 8-hydroxyquinoline, anthium dioxcide, chlorine dioxide, virginiamycin, acetaldehyde, Solanum tuberosum 3657.
  Erwinia carotovora, nutrient requirements, taxonomy, Beta vulgaris 1326.
  Erwinia carotovora subsp.beta vasculorum, incidence, Beta vulgaris, nitrogen fertilizers, spatial distribution, effects on 1153.
  Erwinia carotovora subsp.carotovaora, latent infection, post-harvest decay, host-pathogen interactions, Lycopersicon esculentum 3658.
  Psidium guajava, characterization, Ceratocystis paradoxa 10745.
Soft tissue infection,
  infants, treatment, ampicillin, nafcillin, Haemophilus influenzae type b 2179.
Soft tissues,
  infection, bacteria isolation, characterization, cats, dogs 9570.
  infection, lymphatic system, role, immune clearance, bacteria, rabbits 10235.
  infection, Staphylococcus, Streptococcus, treatment, ceftriaxone, man 8051.
Soil,
  Acer saccharum, Picea mariana, humic acids, Serratia marcescens, nitrogen, effects on 3724.
  Actinoplanes, isolation, drying, ecological distribution 9481.
  Africa, Actinomadura kijaniata sp.nov., isolation, characterization, antibiotics biosynthesis 8300.
  aggregates size effects on nitrogen fixation, nitrification 8201.

Soil, (continued)
  Alcaligenes, denitrification, hydroxylamine, pyruvic oxime, nitric-oxide reductase, nitrate reductase 12421
  arid zones, ecological distribution, population dynamics, Zaotobacter 9475.
  Azospirillum isolates, nitrogen incorporation, nitrogen fixation 5511.
  Azotobacter, bacteria, community composition, industrial wastes effects on 7319.
  Azotobacter, nitrogen fixation, sodium pentachlorophenate, effects on 4620.
  Bacillus spores, isolation, heat treatments 12137.
  Bacillus subtilis, transformation, genetic relationship, recombination 12777.
  Bacillus thuringiensis, distribution, relationship, biological control 3711.
  bacteria, biodegradation, pesticides effects on 8185.
  bacteria, carbon sources, seeds germination exudates 13500.
  bacteria, fungi, Aspergillus flavus, aflatoxin B_1, effects on 3683.
  bacteria, nitrification, most probable number 6414.
  bacteria, nitrogen fixation, forests 8179.
  bacteria, propagules size, relationship, population density 2461.
  bacteria, vitamins production, association, solubilization, calcium phosphate 6425
  biodegradation, copper effects on 1220.
  cadmium, pollution effects, bacteria resistance 9434.
  chernozem, microflora, Streptomyces flavus, Stachybotrys parvispora, USSR 13471.
  chitin biodegradation, bacteria, fungi 4747.
  Clostridium botulinum, incidence, Indonesia 9452.
  Clostridium botulinum type E, ecological distribution, spores, reviews 9450.
  crop fields, Zea mays, nitrification, mineralization, Nitrosomonas, phytotoxicity 6423.
  cultivation, Triticum, effects on soil microorganisms metabolism 9459.
  denitrification, denitrifying bacteria, nitrate source effects on 1218.
  denitrification, nitrate reduction, bacteria, enumeration, microtiter most-probable-number 2525.
  denitrification, variability, manure, treatment 2443.
  disease transmission, Pseudomonas syringae leafspot, Cucumis sativa, greenhouses 7299.
  distribution, Rhizobium meliloti, inoculation, Medicago sativa 9485.
  enzymatic activity, bacteria, mulches effects on 12143.
  enzymes, nitrogen decomposition 9428.
  fatty acids digestion (anaerobic), soil microorganisms 8208
  fertility, role, Triticum aestivum stubble biodegradation, soil microorganisms 131.
  forests, inorganic compounds, sulfur oxidation, association Thiobacillus 9460.
  forests, inorganic compounds, sulfur oxidation, thiobacillus, industrial pollution effects on 9465.
  forests, Thiobacillus distribution, sulfur oxidation activity 9461.
  herbicides effects on phages lysis bacteria 8197.
  Hordeum vulgare, Azospirillum, Azotobacter, incidence, relationship, nitrogenase, enzymatic activity 3720.
  hydrogen bacteria substrate specificity 12456.
  incidence, Actinomycetes, nitrogen-fixing bacteria, association Alnus incana 12126
  incidence, bacteria, population dynamics, nutrient availability 12148.
  incidence, Streptomyces fradiae, antagonism, Streptomyces lanatus, population dynamics 12147.
  isolates, synergism, Pseudomonas+Fusarium, biodegradation, benzylpenicillin 1380.
  isolation, Bacillus, cytolysis 12115.
  isolation, Mycobacterium avium-intracellulare serotypes, South Africa Rep. 6144.
  isolation, psychrophilic bacteria, temperature, effects on, DNA, RNA, cultural characteristics 12445.
  landfills, methane, methanol oxidation methylotrophic bacteria, indicator species 3696
  leachates, media (culture), Phytophthora cinnamomi hyphae, bacteria colonization, lysis 3678.
  lipids biodegradation 4748.
  Mars, minerals, +hydrogen peroxide, effects on Bacillus growth 11009.
  Metallogenium bioaccumulation manganese films, desert varnish 6415.
  microorganisms, calcium sulfide, inhibition, nitrification, ammonification 10800.
  microorganisms, trophic relationships, nutrient dynamics, mineralization, decomposition 9437.
  New Zealand, Rhizobium trifolii incidence 1179.
  nitrification, nitrification inhibitors effects on 1199.
  Nitrobacter serotypes ecology 5524.
  nitrogen applications, effects on, Sorghum vulgare, protein composition, leaves, grain, nitrate reductase 1221.
  nitrogen fixation, incidence, Malaysia, distribution 3710.
  Nitrosomonas europaea, nitrification, denitrification, radioactive labelling 5534.
  nutrient deficiencies, Rhizobium inoculation, Cajanus cajan 1189.
  nutrient dynamics, cellulose biodegradation, phosphate effects on 2434.
  nutrient status, land reclamation, nitrogen fixation, nodules, Leucaena leucocephala, Tanzania 12144.
  odor, Nannocystis exedens, geosmin biosynthesis 2840.
  oil shales, revegetation, soil microorganisms effects on 8168.
  organic matter biodegradation, pH+redox potential, effects on 9644.
  Oryza sativa, nitrogen fixation, ammonium, effects on 1173.
  paddy fields, nitrification, flooding effects on 1205.
  pesticide residues models, biodegradation, bacteria 4756.
  pH effects, Medicago sativa, nitrogen fixation, Rhizobium meliloti 1182.
  plants, pollution, nitrogen cycle, sulfur cycles, soil microorganisms 12150.
  polysaccharides biodegradation, role, bacteria, USSR 10991.
  proteins, providencia, survival 10768.
  protozoa, interaction, bacteria 13505.
  Pseudomonas putida, Pseudomonas fluorescens, ethylene biosynthesis, in vitro, aeration effects on 5541.
  Pseudomonas solanacearum, bacteriocins susceptibility, detection, isolation, media (culture) 5558.
  Pseudomonas solanacearum isolation, media (selective), bacteriocins 12132.
  Pseudomonas solanacearum, levels, wilt, Solanum tuberosum, Costa Rica, crop rotation, weed control, effects on 4605
  Pseudomonas solanacearum, wilt, levels, Solanum tuberosum, crop rotation, effects on, Costa Rica 2415
  Pseudomonas solancearum, survival 3697.
  Pseudomonas tomato detection, methodology 1143.
  railroads, oil biodegradation, fungi, bacteria 7424.
  Rhizobium enumeration 2472.
  Rhizobium, enumeration, antibiotics, fungicides 1227.
  Rhizobium, Glycine max, symbiosis, acidity, tolerance, factors affecting 2437.
  Rhizobium japonicum, inoculation, effects on, Glycine max, cultivars, yield 2447.

Soil, (continued)
  Rhizobium leguminosarum, Arthrobacter globiformis, population dynamics, succession 12136.
  Rhizobium leguminosarum, growth, synergism, cellulolytic microorganisms 12141.
  Rhizobium phaseoli, inoculation, phaseolus, nitrogen fixation 12123.
  Rhizobium trifolii, nodulation, nitrogen fixation, Trifolium 4641.
  rhizosphere, Clostridium inoculation, enumeration, association, Daucus carota, root rot 10778.
  rhizosphere, phosphorus levels, phosphate-dissolving bacteria effects on 13495.
  rhizosphere, phosphorus levels, phosphate-dissolving bacteria effects on 13498.
  soil microorganisms, actinomycetes, biosynthesis, methylisoborneol, carboxymethylisoborneol 1579.
  soil microorganisms, salinity effects population dynamics 2430.
  soil microorganisms sulfur assays 5514.
  solarization, effects on soil microorganisms, growth, Prunus persica, Juglans regia 7327.
  sterilization, effects on soil microorganisms 9472.
  streptomyces, antibiotic antagonism, Rhizotonia solani, Rhytophthora megasperma, pathogenicity, agar diffusion test 3675.
  Streptomyces phages, pH effects 1656.
  Streptomyces, solid wastes biodegradation, nitrogen, organic compounds 8424.
  sulfide, formation, methanogenesis 3716.
  survival, Erwinia carotovora var.chrysanthemi, survival, Erwinia carotovora var.chrysanthemi, soil 7323.
  survival, factors affecting, bacteria, manure pathogens 10789.
  Thiobacillus thiooxidans, Thiobacillus thioparus, sulfur, oxidation 8440.
  Tritium uptake, soil temperature, soil moisture, soil pH, effects on 9473.
  USSR, incidence hydrocarbon-degrading bacteria, association oil 13492.
Soil amendment,
  effects on soil microorganisms, respiration, population levels, nitrification, sulfur, aluminum sulfate, ferrous sulfate 7329.
  manure, effects on, Azotobacter colonization, Gossypium hirsutum rhizosphere 5529.
  manure, Salmonella typhimurium, indicator species, survival, pasture 12142.
  sewage sludge, bacteria decomposition, population dynamics 9433.
  slurries, animal wastes, effects on soil microorganisms, bacteria 8196.
  tannins, effects on, Pseudomonas solanacearum, respiration, glucose oxidation 13503.
Soil amendments,
  Azolla, Aulosira, effects on, nitrogen, phosphorus, availability, flooded soils 2471.
Soil characteristics,
  bacteria, biomass 9484.
  effects on, soil microorganisms, bacteria 415.
  nitrogen fixation, growth, nitrogen sources, Medicago sativa 12130.
Soil chemistry,
  denitrification, heterotrophic bacteria, tropical environments 7317.
  nitrogen cycle, disturbance, industrial wastes 9441.
Soil horizons,
  association oil, hydrocarbon-degrading bacteria activity 11014.
Soil loss,
  nitrogen, role, transformation, nitric oxide, nitrous oxide, soil microorganisms 2453.
Soil microorganisms,
  abundance, agricultural practices effects on 7322.
  abundance, soil moisture effects on, crop fields 10796.
  Actinomycetes, bacteria, fungi, incidence, population dynamics, media (selective) 8194.
  actinomycetes, biosynthesis, methylisoborneol, carboxymethylisoborneol, soil 1579.
  actinomycetes, enumeration, isolation, media (selective)+rifampicin 2514.
  actinomycetes, fungi, species diversity, agricultural land, New Zealand 1210.
  actinomycetes, vorlex, linuron, antimicrobial activity, resistance 431.
  activity, agricultural practices effects on, USSR 1168.
  activity, herbicides effects on 8181.
  anaerobic digestion, fatty acids digestion (anaerobic) 8208.
  Arthropoda, conferences 7349.
  association, soil Tritium uptake, soil temperature, soil moisture, soil pH, effects on 9473.
  Azotobacter, aerobic bacteria, spores, glucose effects on population density 12120.
  bacteria, biodegradation, 2,4-D, relationship population density, Canada 1194.
  bacteria, detergents, soil characteristics, effects on 415.
  bacteria, fungi, pollution effects, pesticides 1209.
  bacteria, fungi, terbacil effects on 1215.
  bacteria, growth, cadmium, pollution effects 1175.
  bacteria, metabolism, association, environments, USA, Colorado 6518.
  bacteria, pollution effects, chromium 1174.
  bacteria, soil amendment, slurries, animal wastes, effects on 8196.
  bacteria, succession, composts effects on 1202.
  bacteria, Triticum aestivum rhizosphere, Gaeumannomyces graminis var.tritici effects on population dynamics 8190.
  biodegradation, chloroform 7431.
  biodegradation, Triticum aestivum stubble, role, soil fertility 131.
  biodegradation, 4-chloro-2-methylphenoxyacetic acid 9464.
  biomass, factors affecting 13476.
  biomass, measuring techniques 3727.
  biomass, measuring techniques 12118.
  carbon dioxide fixation, fungicides, effects on 6833.
  Clostridium perfringens, survival, distribution 7324.
  colonization, Verticillium dahliae, sclerotia, morphology, pH, effects on 3728.
  2,4-D biodegradation, pesticide applications effects on 8199.
  DDT, Collembola abundance, flooding effects on 8177.
  dehalogenation, monochloroacetic acid, dichloroacetic acid, 2-monochloropropionic acid, 2,2-dichloropropionic acid, enzymatic activity, characterization 1503.
  denitrification, chemical control, nitrapyrin 3691.
  denitrification, nitrogen cycle, soil properties 9448.
  drug resistance, mercury 456.
  effects on, respiration, population levels, nitrification, sulfur, aluminum sulfate, ferrous sulfate, soil amendment 7329.
  effects on revegetation, oil shales 8168.
  Ensifer adhaerens gen.nov. sp.nov., characterization, antibacterial activity 9537.
  enzymatic activity, reclaimed land, shales, nitrogen fixation 3692.
  ethylene biosynthesis, respiration, measuring techniques 8173.
  forests clear cutting effects on 12122.

Soil microorganisms, (continued)
fungi, bacteria, population dynamics, fungicides effects on 5512
fungi, interaction Rhizobium japonicum, mycotoxins, effects on populations, Glycine max nodulation 8156
growth, biomass, fungicides effects on 8188
growth, nitrogen cycle, time effects on 5527.
growth, proteins, clay minerals 8186
herbicides inhibition nitrification, toxicity 6420
indicator species, organic compounds wastes effects on 3708
isolation, Egypt, Arab Rep. 1162
isolation, suspended matter, density gradients centrifugation 8172.
leaf litter decomposition, altitude effects on, Austria 10772.
lysis, yeasts 12153
metabolism, Triticum, soil cultivation effects on 9459
nitrification, mineralization, nitrogen cycle, agricultural ecosystems, forests, paddy fields 9442
nitrifying bacteria, nitrate production, growth 9447.
Nitrobacter serotypes, competition, association, environmental conditions 10798
nitrogen cycle, disturbance, industrial wastes 9441.
nitrogen cycle, sulfur cycles, plants, soil, pollution 12150.
nitrogen decomposition 9428
nitrogen fixation, mineralization, proteins, cellulose, thidiazuron effects on, crops 2456
nitrogenase activity, association, Azospirillum, Azotobacter, Egypt 9483
nutrient cycles, nitrogen 6409.
nutrient cycles, sulfur, nitrogen, carbon 5526
pentachlorophenol drug resistance, gram-negative bacteria 5145.
polysaccharides distribution, soil properties 8216.
population density, seasonal variations, effects on nitrogen mineralization 10797
population dynamics, biomass, grasslands, New Zealand 8183
population dynamics, nitrogen cycle, crop fields, Canada 13474.
Pratylenchus penetrans, role, replant disease, Malus pumila 12103.
Pseudomonas, Fusarium solani, fluoroacetate, metabolism 1544.
recolonization, succession, fires, forests, Pinus kesiya 10802
relationship, carbon dioxide, evolution, decomposition, cellulose 3722.
respiration, relative humidity, temperature effects on 12129
rhizosphere, Areca catechua, manure+fertilizers, effects on 4635.
salinity effects population dynamics, soil 2430
soil properties, pollution effects, acid rain, nitrification, forests 7316.
soil solarization effects on 7327
soil solarization effects on 12151.
soil sterilization effects on 9472
sulfur, assays, soil 5514.
temperature effects on ammonia utilization 13467.
temperature effects on respiration 13466
thermodynamics, denitrification, nitrogen cycle 8166.
transformation, nitric oxide, nitrous oxide, role, nitrogen soil loss 2453
Soil moisture,
crop fields, effects on soil microorganisms abundance, Rhizobium meliloti 10796.
effects of, urea hydrolysis, bacteria respiration, Pinus banksiana 5513.
effects on, Acanthamoeba polyphage predator-prey interactions Pseudomonas paucimobilis 6407
effects on Glycine max, symbiosis, Rhizobium 1223.
effects on, nitrogen fixation, modulation, Rhizobium japonicum, Glycine max 9470.
effects on nitrogen fixation, nitrogenase enzymatic activity, Aeschynomene americana 2432.
effects on soil Tritium uptake 9473.
Rhizobium, effects on inoculum potential, Vigna unguiculata 7333
soil structure effects on 9463
Soil nutrients,
acid rain effects on, bacteria, roots infection, wetwood, dieback, Abies alba 10756
effects on, nodulation, nitrogen fixation, nodules biomass, Inga jinicuil 1212.
Soil pH,
acidity, tolerance, Rhizobium phaseoli, strains 13481
effects on nitrification, Nitrosomonas, Nitrobacter 13473.
effects on soil Tritium uptake 9473.
Soil pollution,
copper, Streptomyces, copper resistance heavy metals, resistance relationship pigments production 7871.
copper, Streptomyces heavy metals resistance, copper resistance, relationship pigments production 7871.
feces bacteria, land managment relationship 8202.
indicator species, bacteria, pigs animal wastes 4632.
Soil properties,
atrazine effects on, nitrogen cycle, crop fields, Zea mays 9455.
denitrification, acetylene, carbon sources 13475.
effects on, Rhizobium lupini nodulation, rhizosphere, Macroptilium atropurpureum, Neonotonia wightii, Lupinus 8193.
nitrogen cycle, denitrification, soil microorganisms 9448.
polysaccharides distribution, soil microorganisms 8216.
reclaimed land, shales, nitrogen fixation, enzymatic activity, soil microorganisms, revegetation 3692.
soil microorganisms, pollution effects, acid rain, nitrification, forests 7316.
Soil solarization,
effects on soil microorganisms 12151.
Soil structure,
effects on nitrification, relationship, soil moisture 9463.
stabilization, Azotobacter chroococcum, Pseudomonas 6421.
Soil temperature,
effects on nitrogen mineralization 10791.
effects on soil Tritium uptake 9473.
Rhizobium, effects on inoculum potential, Vigna unguiculata 7333.
Soil types,
carbohydrates residues, comparison, plants, microorganisms 10788.
nodulation, competition, strains, Rhizobium, Vigna radiata 10792.
Soil-borne diseases,
Pseudomonas solanacearum, infection, Capsicum frutescens, Lycopersicon esculentum, factors affecting 3668.
Soils,
herbicides, effects on, cellulolytic microorganisms, Azotobacter 8171.
nitrogen mineralization, anaerobic conditions, aerobic conditions 8167.
paddy fields, carbonyl sulfide, detection, cysteine decomposition 7328.
Soils (acid),
forests, denitrification, in vitro, fertilizers, gases, effects on 3712.
Soils (acid), (continued)
Phaseolus vulgaris, growth, nodulation, calcium carbonate, lime, inoculation, effects on 2452.
Rhizobium phaseoli, Rhizobium meliloti, survival, pH effects 3709.
Streptomyces, chitin biodegradation, pH effects on 12369.
Soils (loam),
survival, Salmonella typhimurium, Salmonella enteritidis 2457.
Soils (podzolic),
Azotobacter chroococcum, factors affecting survival 12149.
Escherichia coli survival, temperature effects on 13478.
Soils (saline),
Vicia villosa, Melilotus officinalis, Rhizobium leguminosarum, Rhizobium meliloti, nodules, nitrogen fixation, drought effects on 1222.
Soils (sandy),
survival, Salmonella typhimurium, Salmonella enteritidis 2457.
Soils (volcanic),
ash, isolation, bacteria, growth conditions, factors affecting 13515.
leaching, mineralization, potassium, phosphorus, Achromobacter delicatulus 13489.
Solanum microdontum,
disease resistance, wilt, Pseudomonas solanacearum, screening 6398.
Solanum phureja,
disease resistance, wilt, Pseudomonas solanacearum, screening 6398.
Solanum tuberosum,
disease resistance, wilt, Pseudomonas solanacearum, screening 6398.
Erwinia carotovora, soft rot, antibacterial activity, 8-hydroxyquinoline, anthium dioxcide, chlorine dioxide, virginiamycin, acetaldehyde 3657.
glycoalkaloids, transformation, rumen microorganisms, cattle 2328.
growth, powder, rhizosphere microorganisms, bacteria, effects on 8269.
growth, rhizosphere, bacteria, antibiosis, Pseudomonas, in vitro, effects on 2427.
growth, rhizosphere bacteria effects on 1213.
lectins, interaction, Agrobacterium, association, induction, tumors 7301.
Pseudomonas solanacearum, wilt, soil levels, crop rotation, effects on, Costa Rica 2415.
ring rot bacteria, cross-reactivity, Corynebacterium sepedonicum antisera 13447.
scab, Streptomyces, association, fungi 4603.
scab, Streptomyces scabies 4607.
scab, Streptomyces scabies, control, ethionine 1147.
tubers, healing, Erwinia carotovora, bactericidal activity, dichlorophen, effects on 2406.
tumors, Agrobacterium, induction, assays, inhibition, virulence 1150.
wilt, Pseudomonas solanacearum, isolation, incidence, Peru 9420.
wilt, Pseudomonas solanacearum, Peru 10737.
wilt, Pseudomonas solanacearum, soil levels, Costa Rica, crop rotation, weed control, effects on 4605.
Solar radiation,
± 2,4-dinitrophenol± U.V. radiation, effectson Bacillus subtilis growth 2658
effects on heterotrophic bacteria nutrient cycles, coastal waters 8218.
Solarization,
soil, effects on soil microorganisms, growth, Prunus persica, Juglans regia 7327.
Solid phase methods,
radioimmunoassay, antibodies detection, Staphylococcus aureus infection, man 11583.
radioimmunoassay, diagnosis, prostatitis, bacteria, man 8911.
Solid tumors,
mice, effects on disease resistance, bacteria infection 11569.
Solid wastes,
biodegradation, soil Streptomyces, nitrogen, organic compounds 8424.
Solubilization,
calcium phosphate, association, soil, bacteria, vitamins production 6425.
phosphates, bacteria, fungi 7445.
phosphorus, characterization, Bacillus polymyxa, Pseudomonas putida 4960.
succinate dehydrogenase, Escherichia coli 11177.
uranium, phosphorite, lactic acid bacteria 10948.
Solutes,
uptake, assays methodology, tetraphenylphosphonium, vesicles, Escherichia coli 7410.
Somatic cells,
levels, Streptococcus group B, experimental infection, mastitis, cattle 3624.
Somatotropin,
activity, man, association, sepsis, role, glucose 11874.
biosynthesis, Escherichia coli cloning use 9811.
genes, cDNA, cattle, gene expression, Escherichia coli 8667.
Sorbate,
effects on spore germination, Bacillus cereus, Clostridium botulinum 4215.
Sorbitol,
fermentation, genes transfer, Streptococcus sanguis, Streptococcus mitis 1629.
fermentation, toxigenicity, association, agglutination, Clostridium difficile 6057.
oxidation, intracytoplasmic membranes enzymes, role growth, Gluconobacter oxydans 6497.
+xylitol, effects on, dental plaque, Streptococcus mutans, growth, metabolism 435.
Sorghum,
roots exudates, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9585
Sorghum bicolor,
Glycine max, crop rotation, effects on, nitrogen fixation, yield 13486.
nitrogen, content, growth, Azospirillum brasilense, nitrogen fixation, effects on 3701.
sugarcane mosaic virus, inhibition, foliar applications polysaccharides, Bacillus subtilis, Streptococcus pneumoniae 4077.
Sorghum halepense,
infection, Rickettsia-like organisms, antigenic relationship, phony disease 9406.
Sorghum nigricans,
+Rhizobium "cowpea", +Azospirillum lipoferum, nitrogenase enzymatic activity 1214.
Sorghum vulgare,
protein composition, leaves, grain, nitrate reductase, nitrogen soil applications effects on 1221.
silage, effects on rumen microorganisms fermentation 12040.
Sorghum vulgare sudanensis,
Corynebacterium, pathogenicity 1269.
SOS repair,
assays, Escherichia coli, use mutagenicity testing 12766.

Source,
bacteria, postoperative infection, man 2289.
botulism, ham 823.
nitrate, effects on denitrification, soil 1218.
salmonellosis, pollution, British Isles, man, animals 816.
Staphylococcus aureus, antibiotic resistance, clinical isolates 378.
Yersinia, isolates, man, animals, characterization 2276.
Sourdough,
fermentation, mixed culture, yeasts, Lactobacillus 11020.
South Africa,
annual ryegrass toxicity, Lolium, Corynebacterium infection, sheep, cattle, pathology 8099.
cattle, Pasteurella multocida, hemorrhagic septicaemia, diagnosis, incidence, clinical aspects 3639.
children, dental caries incidence 708.
man, cholera epidemics 2284.
man, epidemiology. Streptococcus, pharyngitis 783.
man, incidence, meningitis 2125.
man, incidence, tuberculosis 1988
man, typhoid fever, epidemiology 4473.
marine environment, bacterioplankton, energy flow, detritus, reefs 2485.
rivers, Escherichia coli pollution monitoring 2493.
Xanthomonas campestris pv.manihotis blight, Manihot esculenta, pathology 10748.
South Africa Rep.,
children, effects on, hypersensitivity (delayed), tuberculosis, Mycobacterium tuberculosis 5291.
lakes, Potamogeton crispus leaves, epiphytes, bacteria, algae, pathology 13425.
mycobacteriosis, Mycobacterium intracellulare, Mycobacterium avium-intracellulare, epidemiology, man 6256.
Mycobacterium avium-intracellulare serotypes, mycobacteriosis, isolation, man, pigs, soil 6144.
South America,
Rhizobium, isolation, evaluation, nitrogen fixation, nodulation 1163.
Soybeans,
diets, inhibiton, Clostridium establishment, gnotobiotics, mice 7290.
Space flight,
effects on intestinal microflora, Bifidobacterium longum, Bifidobacterium adolescentis, man 1921.
effects on, Staphylococcus aureus immunity, immunoglobulin A, immunoglobulin M, nose secretions, man 8972.
man, Lactobacillus, antibiotic sensitivity testing 7841.
man, Staphylococcus, infection, prophylaxis 2214.
radioprotection effects on microorganisms activity, reviews 5960.
Spain,
children, feces, Yersinia enterocolitica, incidence, identification 2029.
man, meningitis epidemics, incidence, maltose negative variants 3404.
man, Neisseria meningitidis infection, incidence, pathology 5422.
sexually-transmitted diseases, man, surveys 2146.
Spartina alterniflora,
carbon metabolism 5531.
detritus, decomposition, salt marshes 13522.
detritus, heavy metals, bacteria, micronutrients release, salt marshes 8232.
nitrogen fixation, seasonal variations 3721.
nitrogen-fixing bacteria, carbon metabolism 5531.
Spartina patens,
detritus, decomposition, salt marshes 13522.
Sparus aurata,
Vibrio alginolyticus, septicemia 3596.
Spatial distribution,
bacteria, infection, man, disease spread, mathematical models 10465.
Peptidoglycans, cell walls, Staphylococcus 8631.
Speciation,
Streptococcus viridans, association, physiology 12280.
Species,
Actinoplanes, characterization, cultural characteristics 8456.
Species composition,
bacteria, community composition, seasonal variations, lakes 9494.
bacteria, pollution effects, lakes 8221.
heterotrophic bacteria, abundance, vertical distribution, marine environment 8246.
lactic acid bacteria, intestinal microflora, chickens 13359.
methanotrophic bacteria, mixed culture, control, immune serum 10.
Species diversity,
Proteeae susceptibility, antibacterial activity, cephalosporins, aminoglycoside antibiotics 9987
soil microorganisms, actinomycetes, fungi, agricultural land, New Zealand 1210.
Specimens,
bacteria, clinical microbiology, handling, processing, methodology 10859.
collection, methodology, clinical microbiology, diagnosis, man 13253.
culture, identification, diagnosis, clinical microbiology 13255.
preservation, sampling, clinical microbiology, hospitals 12225.
staining, identification, diagnosis, observation methods, microscopy, clinical microbiology 13254.
Speck,
Pseudomonas tomato, outbreaks, Lycopersicon esculentum, Canada 9404.
Spectinomycin,
antibacterial activity, Escherichia coli, measurement, enumeration spiral plater 5927.
antibacterial activity, Mycoplasma pneumoniae, in vitro 318.
antibacterial activity, Neisseria gonorrhoeae 5050.
antibiotic resistance, Bordetella bronchiseptica, R factors, characterization 5938.
antibiotic sensitivity testing, Bordetella pertussis, clinical isolates 7769.
antibiotic sensitivity testing, Neisseria gonorrhoeae, agar dilution test, agar diffusion test 6776.
inactivation, Acinetobacter calcoaceticus, antibiotic resistance 4192.
Neisseria gonorrhoeae, antibiotic sensitivity testing 1728.
Neisseria gonorrhoeae, antibiotic sensitivity testing, Nigeria 1731.
susceptibility, Haemophilus pleuropneumoniae, animal isolates, pneumonia, pigs 5904.
treatment, gonorrhea, man 11855.
treatment, gonorrhea, man 13225.
treatment, penicillin antibiotic resistance Neisseria gonorrhoeae infection, man 2155.
Spectrometry,
prostaglandins, Propionibacterium acnes 12717.
Spectrophotometry,
Prosthecochloris aestuarii, reaction centers, pigments, bacteriochlorophylls 7483.
Spectroscopy,
Agrobacterium tumefaciens, lipopolysaccharides, binding, actinomycin D 12699.
ansamycins, 3-hydroxyrifamycin S, biosynthesis, Nocardia mediterranei, recombinants 2981.
Azotobacter vinelandii cytochrome d, ligands effects on 3875.
bacteriochlorophyll b, Ectothiorhodospira halochloris, Rhodopseudomonas viridis 139.
bacteriopheophytin c, reaction centers, Chlorobium limicola 4779.
fatty acid composition, Ectothiorhodospira 12716.
I.R. radiation, Staphylococcus, teichoic acid, cell walls, cytoplasm, DNA, peptidoglycans, protein A 12296.
merocyanine dyes effects on membrane potential, chromatophores, Rhodopseudomonas sphaeroides 3814.
N-(phosphonacetyl)-L-aspartic acid binding aspartate carbamoyltransferase, effects on conformation, conformation, Escherichia coli 9739.
Prostecochloris aestuarii, Chlorophyll a, electrons Acceptors, reaction centers, role 7489
purple membranes, enthalpy, bacteriorhodopsin intermediates, Halobacterium halobium 6565.
relationship structure, cytochrome c, Rhodospirillum molischianum 12478.
Spermatogenesis,
inhibition, Killed, BCG, methanol extraction, testis, rabbits, dogs, rats 3595.
Spermatozoa,
agglutination, Brucella canis infection, infertility, autoimmunity, dogs 6916.
antibodies, incidence, man, leprosy 9011.
motility, viability, bacteria growth effects on, man 6225.
Mycoplasma pulmonis adherence, mycoplasmosis, mice 10695.
Spermidine,
Escherichia coli, defective mutant, biosynthesis, nutrient requirements, polyamines 2641.
Speticemia,
nosocomial infection, risk factors, etiology, disease control, neonates, man 11869.
Sphaerotilus natans,
copper, lead, bioaccumulation, effects on growth 7442.
Sphenomegaly,
lymphocytosis, pertussis vaccines, gnotobiotics, mice 9031.
Spheroplasts,
Escherichia coli, identification, indirect fluorescent antibody test 1309.
Escherichia coli, interaction, maltose-binding protein, association, maltose 8372.
Escherichia coli, transfection, phage Mu, DNA proteins complex 6729.
membrane structure, acetic acid bacteria 4725.
membranes, vesicles, Mycobacterium aurum, ultrastructure 1340.
Mycobacterium smegmatis, acetate, membrane biosynthesis, cyclic AMP, effects on 2592.
penicillin, Escherichia coli, triethyltin chloride, tripropyltin chloride, tributytin chloride, effects on 5134.
Pseudomonas aeruginosa, membrane potential, respiration, cyanide resistance 12492.
Saccharomyces cerevisiae, protein biosynthesis, inhibition, Corynebacterium diphtheriae toxins 6004.
Sphingobacterium gen.nov,
fatty acid composition 9801.
Sphingobacterium mizutae gen.nov sp.nov.,
fatty acid composition 9801.
Sphingobacterium multivorum gen.nov sp.nov.,
fatty acid composition 9801.
Sphingobacterium versatilis gen.nov sp.nov.,
fatty acid composition 9801.
Sphingomyelin,
hydrolysis, phospholipase C effects on, bacteria 12652.
Sphingomyelin phosphodiesterase,
hydrolysis immobilized enzymes, phospholipase C, phospholipase D 5767.
kinetics, purification, Bacillus cereus 9756.
Sphingomyelinase,
hydrolysis DL-erythro-N-palmitoyl-sphingosylphosphocholine, DL-erythro-N-stearoyl-sphingosylphosphocholine, DL-erythro-N-lignoceryl-sphingosylphosphocholine films, surfaces pressure effects on, Staphylococcus aureus 9632.
Spikes,
structure, helix proteins, bacteria, viruses 1375.
Spin transitions,
cytochrome P-450, relationship redox potential, Pseudomonas putida 4774.
Spin-labelling,
methodology, lac-repressor, Escherichia coli 4816.
Spinacea oleracea,
chloroplasts, DNA, binding, Escherichia coli RNA polymerase 193.
chloroplasts, thioredoxin, activation phage T7 DNA polymerase, comparison Escherichia coli 5002.
Spinal cord,
activity patterns, experimental infection, Clostridium tetani, toxins, rabbits 485.
animal models, Clostridium tetani toxins localization 476.
infarction, association, meningitis, case reports, children, Streptococcus pneumoniae 882.
injuries, association, urinary tract infection, Enterobacteriaceae, man 2081.
neurotransmitters, rats, Clostridium botulinum, Clostridium tetani, toxins, effects on 497.
pathology, Bacillus piliformis, infection, Tyzzer's disease, rats 3574.
tuberculoma, case reports, man 879.
Spine,
man, osteomyelitis, association, Propionibacterium acnes infection 9252.
osteomyelitis, presentation torticollis, man 10527.
Salmonella typhi, osteomyelitis, treatment, chloramphenicol, amoxicillin, man 3439.
Spines,
bacteria, dissociation, reassociation, factors affecting 12318.
production, function, media (culture) association, Pseudomonas 7415.
Spiral,
Azospirillum lipoferum, structure, association, flagella, in vitro 3817.
Spiramycin,
antibacterial activity Chlamydia 9972.

Spiramycin, (continued)
- antibiotic sensitivity testing, Neisseria meningitidis 325
- comparison, antibacterial activity, josamycin, Staphylococcus 366
- Streptomyces ambofaciens, biosynthesis, replicons, plasmid pSA1 regulation 11330.
- Streptomyces ambofaciens, production, genetic control, role, plasmid pSA1 7755.
- treatment, bacteria infection, respiratory, oral cavity, man 10314.
- treatment, mastitis, Staphylococcus, pharmacokinetics, cattle 3634.
- treatment, periodontal diseases, bacteria, reviews, man 6954

Spirillum,
- oligotrophy, reviews 12360
- soil isolates, flagella structure, morphology 7417.

Spirillum minor,
- infection, pythogenesis, epidemiology, diagnosis, charaterization 11984.
- rat-bite fever, association, meningoencephalitis, clinical aspects, man, case reports 4441.

Spirochaeta,
- anaerobic bacteria, isolation, hydrothermal vents, marine environment, Galapagos 8245.
- biochemical characteristics, morphology, role digestion, rumen, cattle 12033.
- isolation, intestinal parasites, man, homosexuality 11756.
- spirochetosis, gastrointestinal tract, clinical aspects, pathology, man 9130.
- spirochetosis, infectious bursitis virus infection role immunosuppression, chickens 6377
- spirochetosis, large intestine, man, case reports 2033

Spirochaeta aurantia,
- chemotaxis, sugars, role, membrane potential 2615

Spirochaetes,
- amino acids fermentation, ATP biosynthesis, marine environments 2723.

Spirochetes,
- amino acids fermentation, role, survival, starvation 169
- intestine, staining, diagnosis 5600
- isolation, enumeration, salt marshes, rifampicin 4653.
- spirochetosis, association, diarrhea, treatment, man, case reports 4411.
- spirochetosis, gastrointestinal tract, diagnosis, man 828.

Spirochetosis,
- association, diarrhea, treatment, man, case reports 4411.
- Borrelia anserina, pathogenesis, coagulation, role, chickens 4543.
- gastrointestinal tract, clinical aspects, pathology, man 9130.
- gastrointestinal tract, diagnosis, man 828.
- infectious bursitis virus infection role immunosuppression, chickens 6377.
- large intestine, man, case reports 2033.

Spiroplasma,
- antibacterial activity, disinfectants 7846.
- growth, cell culture 5567
- infection, cattle, reviews 6364
- infection, Haemaphysalis leporispalustris, isolation, media (isolation), cell-free system 6384.
- infection, identification, yellows, Cocos 3659
- infection, Opuntia tuna monstrosa, Lactuca sativa, scanning electron microscopy, morphology 8150.
- infection, pathogenesis, plants 13422
- lysis, phage S1, isolation, morphology, taxonomy 5000
- motility, taxis 62.
- pathogenicity, Galleria mellonella larvae 4600.
- pathogens, plants, animals, Insecta, characterization 3600.
- phages, lysis, morphology, taxonomy 9853
- rRNA 5S nucleotide sequence, comparison Mycoplasma mycoides 12540.
- role, Creutzfeldt-Jakob disease, man 5340.
- Spiroplasma citri, antigenic characteristics, antigenic relationship, immunoelectrophoresis 1859.

Spiroplasma citri,
- antibacterial activity, disinfectants 7846.
- detection, enzyme-linked immunosorbent assay, plants, Insecta, tissues 8899
- DNA hybridization, corn stunt spiroplasma 157.
- DNA polymerase, isolation, characterization 6633.
- endodeoxyribonuclease SciNI, purification, cleavage, structure 9776.
- growth, cell culture 5567.
- infection, Cathoranthus roseus, virus-like particles effects on symptoms 12089.
- infection, plants, enumeration 13438.
- infection, quantification, plants 10750.
- morphology, relationship, growth, replication, cultural characteristics effects on, electron microscopy 74.
- plant diseases, reviews 10751.
- plasmid pIJ2000, isolation, gene mapping 4135.
- Spiroplasma, antigenic characteristics, antigenic relationship, immunoelectrophoresis 1859.
- Zea mays stunt, maize mosaic virus, multiplicity of infection, Jamaica 7307.

Spiroplasma citri like,
- morphology, cultural characteristics, infection, Armoracia rusticana 1327.

Spirosomes,
- Lactobacillus brevis, purification, characterization 5627.

Spleen,
- accessory cells, Streptococcus pneumoniae, purpura, man 2220.
- atrophy, association, Streptococcus pneumoniae septicemia, man, case reports 11884.
- cell culture, chickens immune response, Salmonella paratyphi 10217.
- cells, mice, binding, Staphylococcus enterotoxin A 1828.
- colony-forming cells, immunostimulants, effects on, mice 5218.
- lesions, monkeys, association, endoxemia, effects on blood coagulation 8891.
- lymphocytes, activity, mice, mixed infection, Acholeplasma laidlawii+Rauscher leukemia virus 11622.
- man, Streptococcus pneumoniae infection, blood flow relationship clearance 13319.
- mice, immune response, Staphylococcus aureus protein A effects on 8974.
- mice leukocytes, superoxide dismutase, Mycobacterium bovis, Mycobacterium lepraemurium, effects on activity 6079.
- necrosis, Clostridium peritonitis, association, pneumoperitoneum, dogs, case reports 2354.
- rabbits, Corynebacterium diphtheriae, toxoids, immune RNA, antibody response, mice 11620.
- role, defense mechanisms, Streptococcus pneumoniae infection 6920.
- surgery, association, meningitis, Streptococcus pneumoniae, man, case reports 2122.
- turkeys, Escherichia coli phagocytosis, macrophages 546.

Spleen disorders,
- Clostridium novyi, diagnosis, dogs 1101.

Splenectomy,
- association, Neisseria meningitidis infection, man, case reports 5409
- association, Streptococcus group B sepsis, pathology, man, case reports 7125.
- association, Streptococcus pneumoniae vaccination, children 6136.
- effects on Streptococcus pneumoniae bacteremia, animal models 5376.

Splenomegaly,
- mice, Propionibacterium acnes cell surface chemical modification effects on 9331.
- vaccines, induction, Propionibacterium acnes, phagocytosis, macrophages, mice 10265.

Spodoptera frugiperda,
- toxicity, exotoxins, Bacillus thuringiensis 7892.

Spodoptera litura,
- susceptibility, pathogenicity, Bacillus thuringiensis 9384.

Spoilage,
- dairy products, microorganisms, growth inhibition test, Streptococcus lactis subsp.diacetylactis, Leuconostoc cremoris, Leuconostoc dextranicum 6846.
- hay, Actinomycetes, ammonia, antibacterial activity 6835.
- meat, Brochothrix thermosphacta, taxonomy, nomenclature, reviews 8289.
- meat, Pseudomonas isolates, identification, taxonomy (numerical) 9556.
- meat, Pseudomonas, taxonomy 8290.
- psychrotrophic bacteria, meat, food, fishery products, conferences, books 9499.

Spondylitis,
- diagnosis, use, gallium-67, man, case reports, 9282.
- pathology, computed tomography, man 1005.

Spondylodiscitis,
- antibiotics treatment, role bacteria identification, man 5403.
- association, brucellosis, man, case reports 5405.
- diagnosis, radiography, man 5400.
- differential diagnosis, tuberculosis, man 5407.
- gram-negative bacteria, incidence, man, France 4462.
- Staphylococcus, incidence, man, France 3534.

Sporaricin E,
- Saccharopolyspora hirsuta subsp.kobensis biosynthesis, structure 11357.
- Saccharopolyspora hirsuta subsp.kobensis, production, characterization 7734.

Sporaricins,
- antibiotics, Saccharopolyspora hirsuta subsp.kobensis, antibacterial activity, structure 2987.

Spore coats,
- association, mercury, cadmium, spores 5625.
- Bacillus cereus, proteinase, isolation, characterization 4021.
- Bacillus megaterium, electrical properties, effects on germination 8453.
- Bacillus subtilis, proteins precursors, biosynthesis 1479.
- Bacillus subtilis, sporulation, protein biosynthesis, assembly, genetic factors 1476.
- proteins, Bacillus thuringiensis, Bacillus cereus, characterization, biological control, Manduca sexta, Aedes aegypti 5729.

Spore crystals,
- Bacillus thuringiensis, β-hydroxybutyrate, chemical composition 4955.
- Bacillus thuringiensis, infection, Insecta larvae, specificity, biological control 3653
- bioassays, toxicity, Bacillus thuringiensis, Ostrinia nubilalis 8125.

Spore germination,
- Bacillus cereus, albumen, inhibition, vegetative cells, growth 9619.
- Bacillus cereus, Clostridium botulinum, sorbate effects on 4215.
- Bacillus cereus, role hexosaminidase 9731.
- Bacillus megaterium, cations levels, pH effects 1369.
- Bacillus sphaericus, ultrastructure 8358.
- Bacillus subtilis, association, spores swelling 7412.
- Bacillus subtilis, coat protein mutation effects on 12797.
- Bacillus subtilis, DNA repair, association, heat, acids, induction DNA injuries 7500.
- Bacillus subtilis, macromolecules biosynthesis, morphology, aminoglycoside antibiotics, peptide antibiotics effects on 6487.
- Bacillus subtilis, mutants, gene mapping 2852.
- Bacillus subtilis, mutants, nutrient sources, effects on 2862.
- cell walls, Myxococcus xanthus, β-lactam antibiotics, antibacterial activity 2587
- Clostridium botulinum, preservatives, antibacterial activity 12949.
- Clostridium perfringens, spores lysis enzymes role 5770.
- Clostridium tetani, Clostridium butyricum, Bacillus subtilis, redox potential effects on 12323.
- cortex hydrolysis, role, Bacillus megaterium 8352.
- fungi, Azotobacter effects on 13457.

Spore outgrowth,
- Bacillus cereus, inhibition, nitrosothiols, mechanisms 2631.
- Bacillus subtilis, temperature-sensitive mutant, cell walls, morphology, electron microscopy 2593.
- Bacillus subtilis, temperature-sensitive mutant, RNA biosynthesis 2877.
- Clostridium botulinum, nisin effects on 376.
- Clostridium botulinum, preservatives, antibacterial activity 12949.
- Clostridium sporogenes, monitoring, equipment, methodology 2501.

Spore-forming bacteria,
- airborne microorganisms, pathogenicity, role infection, man 13531.
- anaerobic conditions, dairy products contamination 9654.
- pathogenicity, mice 11973.
- proteinase, physicochemical properties, structure, evolution 12581.

Spores,
- aerobic bacteria, glucose effects on population density 12120.
- Bacillus anthracis, distribution, British Isles 9476.
- Bacillus cereus, exudates, proteins, enhancement, bacteriostasis, S-nitrosomercaptoethanol 2741.
- Bacillus cereus, germination, phenylglyoxal effects on 8831.
- Bacillus cereus, 1-oxide, 1-dodecylpiperidine, N, N'-bis(dodecydimethyl)-1,2-ethane diammonium dibromide, effects on 8461.
- Bacillus coagulans, electron probe analysis, elements distribution 87.
- Bacillus, isolation, heat treatments, soil 12137.
- Bacillus larvae, distribution, Apis mellifera colonies, American foulbrood 2400.
- Bacillus licheniformis, ultrastructure, pasteurization effects on 4724.
- Bacillus megaterium, E.S.R., mangagese 8353.
- Bacillus megaterium, calcium, phosphorus, localization 5607.
- Bacillus megaterium, cortex hydrolysis role spore germination 8352.
- Bacillus megaterium, extracts characterization 5608.
- Bacillus megaterium, mercury, cadmium, association, spore coats 5625.
- Bacillus megaterium, oxygen levels effects on radiosensitivity 12447.
- Bacillus pumilus, radiation sensitivity, alcohols, paraffins, effects on 3090.
- Bacillus sphaericus, U.V. radiation radioresistance, association, protein A,

Spores, (continued)
  protein B 6849.
  Bacillus stearothermophilus, Clostridium botulinum, temperature tolerance, computer applications 4718.
  Bacillus stearothermophilus, heat resistance, bioassays sterilization 7414.
  Bacillus stearothermophilus, sterilization indicators, relative humidity, storage effects on 9527.
  Bacillus subtilis, amino acids enhancement, thermal injury, recovery 5615.
  Bacillus subtilis, Bacillus megaterium, viability, heat resistance, ethidium bromide, acriflavin, daunomycin, effects on 3093.
  Bacillus subtilis, binding, peptide antibiotics, aminoglycoside antibiotics, role, antibacterial activity 5932.
  Bacillus subtilis, coat protein mutation, effects on, lysozyme resistance, spore germination 12797.
  Bacillus subtilis, DNA, acids, heat, induction injuries 7499.
  Bacillus subtilis, formaldehyde, disinfection, heat activation 11447.
  Bacillus subtilis, freeze drying effects on, heat resistance, population density 1764.
  Bacillus subtilis, mutagenesis, association sunlight 6712.
  Bacillus subtilis, production, agar media (culture) 6457.
  Bacillus subtilis, protein biosynthesis, characterization, association, sporulation 8551.
  Bacillus subtilis var.niger, propylene oxide sterilization 445
  Bacillus thuringiensis, antibacterial activity, Erio acid red XB 400 dye, photoinactivation 3101.
  bacteria, heat resistance 8390.
  bacteria, sporicides, books 12190.
  bacteria, ultrastructure, mummy skin isolates 7413.
  bioassays, toxicity, Bacillus thuringiensis, Ostrinia nubilalis 7897.
  bioassays, toxicity, Bacillus thuringiensis, Ostrinia nubilalis 8125.
  Clostridium botulinum type E, ecological distribution, soil, water, reviews 9450.
  Clostridium perfringens, contamination, littoral zone, lakes, recreation sites 13511.
  Clostridium perfringens, spores lysis enzymes, extraction, role, spore germination 5770.
  Clostridium sporogenes, media comparison, enumeration, recovery 6463.
  formation, Bacillus cereus 11022.
  Glomus macrocarpus var.macrocarpus, symbiosis, Enterobacter, Pseudomonas, Streptococcus 4618.
  Halosporobacterium patis gen.nov. sp.nov., cultural characteristics, isolation fermented food 5576.
  localization, chloramphenicol acetyltransferase, activity, Streptomyces griseus 11374
  Methylosinus trichsporium, development, electron microscopy 5605.
  morphology, Bacillus cereus, Bacillus anthracis, identification 5589.
  Myxobacterales, morphology, media (culture), methodology 12222.
  Sporolactobacillus inulinus, media components effects on heat tolerance 4717.
  Streptomyces antibioticus, germination, uptake, sugars, induction 2627.
  Streptomyces narbonensis, mitomycin C, U.V. radiation, effects on 10939.
  swelling, Bacillus subtilis, association, spore germination 7412.
  toxins, purification, Bacillus sphaericus 11487.
Sporicides,
  bacteria, spores, books 12190.
Sporogony,
  delay, Bacillus subtilis, mutants, revertants, genetic analysis 1608.
Sporolactobacillus inulinus,
  spores, media components effects on heat tolerance 4717.
Sporothrix schenckii,
  +Pseudomonas, ammeline biodegradation 9629.
Sporulation,
  Actinomycetes, mycelia, differentiation, regulation 10974.
  association, methionine adenosyltransferase activity, Bacillus subtilis 12338.
  Bacillus brevis, intracellular serine proteinase association, purification, characterization 12672.
  Bacillus cereus phages induction 5003.
  Bacillus, glucose dehydrogenase biosynthesis, alanine dehydrogenase biosynthesis 4860
  Bacillus licheniformis, growth, bacitracin, proteinase, biosynthesis, carbon sources, effects on 1409.
  Bacillus megaterium, calcium, transport, membrane potential 2619.
  Bacillus megaterium, teichoic acids, metabolism, lipids 11241.
  Bacillus subtilis, association, chromosomes replication 1394.
  Bacillus subtilis, exodeoxyribonuclease I, function, spo0H locus 8614
  Bacillus subtilis, extracellular enzymes, biosynthesis, proteinase, α-amylase 8573.
  Bacillus subtilis, fatty acid composition, membranes, effects on 2612.
  Bacillus subtilis, genes, mutants, gene mapping 1618.
  Bacillus subtilis, induction, amino acids starvation 6532.
  Bacillus subtilis, inhibition, nalidixic acid, novobiocin, acridine orange 7419.
  Bacillus subtilis, initiation GTP, amino acids starvation 9647.
  Bacillus subtilis mutants, association, production, deoxyribonuclease inhibitors 12306.
  Bacillus subtilis, mutants, complementation, genetic analysis 1594.
  Bacillus subtilis, mutants, fatty acid composition, phospholipid composition, methanol, ethanol, effects on 1574.
  Bacillus subtilis, mutants, transcription, genes, nutrient availability, effects on 1613.
  Bacillus subtilis, mutants, transcription, RNA biosynthesis, genes, regulation 2874.
  Bacillus subtilis, oxolinic acid, novobiocin, effects on 12955.
  Bacillus subtilis, RNA polymerase, gene expression, gene regulation, reviews 266.
  Bacillus subtilis, RNA polymerase, purification, characterization 4016.
  Bacillus subtilis, spore coats, assembly, protein biosynthesis, genetic factors 1476.
  Bacillus subtilis spores, association, protein biosynthesis, characterization 8551.
  Bacillus subtilis, sporulation, cysteic acid 2585.
  Bacillus subtilis, statistical analysis 1358.
  Bacillus thuringiensis, mutants, isolation, characterization 10935.
  Clostridium perfringens, enterotoxins biosynthesis, caffeine, theobromine, effects on 1811.
  Clostridium perfringens, stimulation, papaverine 10943.
  Clostridium polysaccharolyticum comb.nov., relationship, taxonomy 1349.
  defective mutant, Myxococcus xanthus, murein effects on 12317.
  genes, Bacillus licheniformis, cloning, pBD64 plasmid 264
  mutants, genetic analysis, role ssa locus, Bacillus subtilis 8699

Sporulation, (continued)
  regulation, streptomycin, Streptomyces griseus, mutants 1697.
  Streptomyces viridochromogenes, aerial mycelia formation, casein, phosphate regulation 6526.
Spot,
  Xanthomonas pruni, susceptibility, Persicum 6399.
Spotted fevers,
  man, Rickettsia serotyping 9572.
  Rickettsia, serotyping, pathogenicity, animals 13411.
  Rickettsia tsutsugamushi, transmission, infection, guinea-pigs, Ornithodoros moubata 13384
Spring,
  Robinia pseudoacacia, Rhizobium nodules, nitrogen fixation 10766.
Sprue,
  Haemophilus, incidence, intestinal tract, association, man 4354.
Sputum,
  bacteriology, man 4356.
  microbiology evaluation, role, detection infection, man 3271.
  Mycobacterium tuberculosis survival, heat fixation, slides, role infection man 4674.
  Salmonella enteritidis, isolation, septicemia, diagnosis, man, case report 3293.
  smears, Mycobacterium tuberculosis, acid-fast staining, microscopy 4662.
Squalene,
  hydration, Corynebacterium 3836.
Square bacteria,
  ultrastructure 8354.
Square bacterium,
  isolation, brines, characterization, electron microscopy 77.
Sri Lanka,
  man, Corynebacterium haemolyticum infection, occurence, clinical isolates characterization 3319.
Stability,
  cefmenoxime 346.
  comparison, moxalactam, enantiomers, in vitro 386.
  N-formimidoyl thienamycin, gram-negative bacteria penicillinase 5114.
  hydrogenase, membranes, Rhodopseudomonas capsulata 4897.
  β-lactam antibiotics derivatives, penicillinase effects on 5920.
  penicillinase, antibacterial activity, cefotaxime, desacetyl-cefotaxime, antibiotic synergism 9969.
  Pseudomonas fluorescens proteinase, temperature 4879.
  thienamycin derivatives, penicillinase, Staphylococcus aureus, Bacteroides fragilis, effects on 5061.
  tuberculin, temperature effects 175.
Stabilization,
  proteins, intestine, mice, role, intestinal microflora 6329.
  soil structure, Azotobacter chroococcum, Pseudomonas 6421.
Stachybotrys atra,
  antagonists, Rhizoctonia bataticola root rot, biological control 6424.
Staining,
  acridine orange, bacteria, cerebrospinal fluid, detection, man 2112.
  Bacillus megaterium, poly-β-hydroxybutyrate, fluorescence, blue stain 8275.
  bacteria, cytology, observation methods, microscopy, plants 12215.
  clinical microbiology, reagents, tests, methodology 10873.
  detection, Escherichia coli, food, methodology 4.
  electron microscopy, Rickettsiella, pathogenesis, Rivulogammarus pulex 12083.
  Escherichia coli enterotoxins peptides 466.
  filamentous microorganisms, malachite green+2(p-iodophenyl)-3-(p-nitrophenyl)-5-pheryl tetrazolium chloride, observation methods, activated sludge 5568.
  β-D-glucans, Congo red, assays, bacteria cellulase 8606.
  Legionella pneumophila, immunoperoxidase test 9528.
  methodology, detection, Mycobacterium, viability 12223.
  methodology, inclusions, Chlamydia psittaci, Chlamydia trachomatis 7375.
  Mycobacterium leprae, association, leprosy, conferences 12199.
  safranine, bacteria, urine, bacteriuria, detection 1279.
  specimens, identification, diagnosis, observation methods, microscopy, clinical microbiology 13254.
  spirochetes, intestine, diagnosis 5600.
Stalk rot,
  Erwinia carotovora var.chrysanthemi, virulence, Zea mays 7298.
Stalks,
  necrosis, Allium cepa, Erwinia herbicola 10743.
Standardization,
  serological tests, syphilis, diagnosis, USSR 3423.
Standards,
  disc-diffusion test, ceftazidime, antibacterial activity, bacteria 5090.
  disc-diffusion test, ceftazidime antibacterial activity, bacteria clinical isolates 5089.
  media (enrichment), Salmonella, isolation, casein, chocolate 3758.
  media (isolation), isolation, Salmonella, food 3759.
Stannous fluoride,
  antibacterial activity, treatment, bacteria, periodontitis, man 1955.
Staphage lysage,
  immunological enhancement, Staphylococcus aureus, Klebsiella pneumoniae, experimental infection, tumors, mice 3188.
Staphylococcine,
  Staphylococcus epidermidis, histamine, release, blood, rats 4566.
Staphylococcus,
  acne, treatment, doxycycline, man 1942.
  antibacterial activity, antibiotic 6059-S, in vitro, treatment, infection, man 1744.
  antibacterial activity, cefoperazone 9970.
  antibacterial activity, moxalactam, cefotaxime, in vitro 1718.
  antibacterial activity, N-formimidoyl thienamycin 1717.
  antibacterial activity, nodusmicin derivatives, structure-activity relationships 7801.
  antibacterial activity, rifamycin+antibiotics 3034.
  antibacterial activity, teichomycin, comparison vancomycin 5931.
  antibacterial activity, 18-deoxynargenicin A1, synthesis 7813.
  antibiotic resistance, typing, clinical isolates 395.
  antibiotic sensitivity testing, phages sensitivity 11428.
  antibiotics activity, 7-hydroxytropolon 6773.
  antibodies, agglutination, detection, bacteria, Salmonidae kidney diseases 6027.
  arthritis, association, osteomyelitis, knee, man, case reports 3493.
  arthritis, association, rheumatoid arthritis, diagnosis, treatment, man, case reports 3496.

Staphylococcus, (continued)
arthritis, complications, inflammation arthritis, man, case reports 3531
arthritis, sacroiliac, treatment, surgery, man, case reports 3520.
bacteremia, association, biliary tract diseases, immunity (humoral), treatment, man 2196
biosynthesis, penicillinase, inhibition, sulbactam, antibiotic synergism, mice 361.
burn infection, immunotherapy, man 11991.
cattle semen isolates, antibiotic sensitivity testing 5047
cefamandole, antibacterial activity 9965
cefoperazone. antibacterial activity, antibiotic sensitivity testing 7786.
cell walls, Peptidoglycans, spatial distribution 8631.
cellulitis, acetaminophen treatment, man 10588
cephalosporins, antibacterial activity 5911.
clinical aspects, man, endocarditis, clinical aspects 10575
clinical isolates, aminoglycoside antibiotics antibiotic resistance, role enzymes 10012
clinical isolates, antibacterial activity, gentamicin, sisomicin, aminosidine, rifamycin 1706
clinical isolates, antibacterial activity, rocephin 5060.
clinical isolates, antibiotic resistance relationship virulence, enzymes 11424.
clinical isolates, cefoperazone, antibiotic sensitivity testing 11375.
clinical isolates, drug sensitivity testing methodology 4202.
coagulase negative, cattle, mastitis, isolates, antibiotic sensitivity testing 385
coagulase, negative, isolates, transfer, antibiotic resistance, drug resistance, Staphylococcus aureus, mixed culture 4197.
coagulase test negative, clinical isolates, toxigenicity, association animal cells 5992
contamination, swelling agents, dry heat disinfection 426
dental plaque microflora, man, New Zealand 725.
drug sensitivity testing 5903
eggs contamination, geese 2388
endocarditis, association, bone infarction, man, case reports 10467.
endocarditis, association, hemodialysis, man 11989.
endocarditis, heart valves replacement association, man 10448.
endocarditis, pathology, man, India 10466
endocarditis, roentgenography, use, diagnosis, man 2208.
endocarditis, treatment, surgery, aortic valve, man 3476.
endocarditis, treatment, surgery, aortic valve, man 3478.
enterotoxin A, binding, spleen cells, mice 1828.
enterotoxin A, histidine carboxymethylation, toxicity inactivation 8871
enterotoxins, antibody response, toxic shock syndrome, man 10113.
enterotoxins detection, food, association, gastrointestinal tract diseases, man 10065
enumeration, frozen food, filtration 2528.
etiology, acne, man, reviews 4360.
etiology, conjunctivitis, man, Uganda 957.
etiology, conjunctivitis, neonates, man 5426.
etiology, endocarditis, man, hospitals, USA, Michigan 4496
exotoxins, passage, role, round window, chemotaxis, leukocytes (polymorphonuclear), ear 10086
eye infection, outbreaks, Amazona aestiva 3566.
Fasciola hepatica microflora 13419.
fatty acid composition, milk isolates 233.
I.R radiation spectroscopy, teichoic acid, cell walls, cytoplasm, DNA, peptidoglycans, protein A 12296.
identification, micromethods galleries 7386.
identification, phage typing 8297.
identification, role, infection, man, characterization 11961.
incidence, lakes, USSR 12172.
infection, antibody response, immunoglobulin M, serum levels, man 3207.
infection, antibody response teichoic acid, man 8984.
infection, bone, joints, treatment, osmic acid, man 3536.
infection, Boophilus decoloratus, isolation 7293.
infection, cefoperazone treatment, man 10608
infection, cefotaxime treatment, man 6272.
infection, children, antibiotics treatment 10578.
infection, children, lung pathology, treatment, characterization 11698.
infection, children, thorax empyema, suprapen treatment 13315.
infection, hip joints, man 5410.
infection, immune response, pneumonia, bronchitis, man 599.
infection, joints, bones, diagnosis, man 5394.
infection, levamisole treatment effects on immune response (cell-mediated), man 9075
infection, man, antibacterial activity, ceftriaxone 9216.
infection, man, cerebrospinal fluid shunts, antibiotics treatment 10433.
infection, man, diagnosis, haemolysins assays 7399.
infection, man, endocarditis, clinical aspects 11886.
infection, man, endocarditis, diagnosis, treatment, pathology, conferences 10846.
infection, man, eye diseases, antibiotics treatment 10492.
infection, man, otitis media, treatment, antibiotics, surgery 11863.
infection, mice, antibiotics treatment effects on enzymes activity 10668.
infection, Parasalmo gairdnerii, furunculosis, treatment, chloramphenicol 10663.
infection, prophylaxis methicillin, association, cerebrospinal fluid shunts, children 9315.
infection, prophylaxis, space flight, man 2214.
infection, Salmonidae, furunculosis, treatment, chloramphenicol 12057.
infection, tetracyclines treatment, man 11942.
infection, treatment, erythromycins, man 3467.
inhibitors production, association, Neisseria gonorrhoeae growth 9707.
isolation, survival, man semen, association, freezing 2519.
isolation, tonsillitis, recurrent infection, children 1989.
joints infection, man, case surveys 5408.
josamycin, antibacterial activity, comparison, erythromycin, spiramycin, lincomycin 366.
leukocidin, effects on mice leukocytes 11548.
leukocidin purification, crystallization, leukocytes receptors characterization 10074.
leukocidin, toxins, structure, toxicity, reviews 7881.
liver abscesses, children 10536.
lysostaphin+lysozyme, antibacterial activity 8787.
mammary gland abscesses, pigs 5477.
mastitis, cattle, control programs 7259.
mastitis, diagnosis, goats 7271.
mastitis, factors affecting, drugs treatment, cattle 13381.

Staphylococcus, (continued)
mastitis, incidence, cattle, Brazil 7266.
mastitis, treatment, spiramycin, pharmacokinetics, cattle 3634.
methicillin resistance, infection, man, hospitals, epidemiology 8055.
Micrococcus, cultural characteristics, identification 1314.
mixed infection. Chlamydia psittaci, organotropism, mice 13298.
mutants, protein A production, purification 6607.
nasopharynx, infection carriers, treatment, rifampicin, man 2008
nasopharynx, infection carriers, treatment, rifampicin, man 2008.
necrotizing fasciitis, treatment, clinical aspects, bacteriology, man 2259.
nephritis, treatment, methicillin, hypersensitivity, man, case reports 3382.
opportunistic infection, wetwood, association dieback, Abies alba 10753.
oral infection, man, antibiotics treatment 10305.
oral microflora, association, stomatitis, Serpentes, zoological gardens, USA, Tennessee 8121.
osteomyelitis, association acute dermatomyositis, man, case reports 6151.
osteomyelitis, man, case reports 935.
osteomyelitis, treatment, fusidic acid+cloxacillin, neonates 7127.
otitis media, aminoglycoside antibiotics treatment, man 13132.
otolaryngeal infection, man, antibiotics treatment 10323.
otorhinolaryngeal infection, treatment, clindamycin, man 2019.
penetration, fabrics, surgical clothing 2187.
penicillin antibiotic resistance, association penicillinase biosynthesis 5954.
penicillinase, β-lactam antibiotics inhibition 11400.
penicillinase biosynthesis, detection methodology 1515.
Peptococcus saccharolyticus, Micrococcus mucilaginosus, rRNA 16S, nucleotide sequence, taxonomic revision 2564.
pericarditis, aneurysm man, 13335.
periodontitis, chlorhexidine gluconate treatment, man 11690.
phenoxymethylpenicillin analogs, antibacterial activity 7781.
pigments biosynthesis, detection methodology 4793.
plasmids, plasmid pSA5700, erythromycin, antibiotic resistance, replication, Streptococcus pneumoniae, Escherichia coli 8739.
pneumonia, association, empyema, immunocompromised hosts, man 5306.
pneumonia, etiology, clinical aspects, radiology, man 7975.
postoperative infection, man, surgery, antibiotics treatment 10580.
postoperative infection, prophylaxis, antibiotics, man 4500.
production, toxins, toxoids, fermentation 12968.
protein A, interaction, immunoglobulin G, complement C1 activity, immunoglobulins preparation 11127.
protein A, role, inflammation, mice 6102.
quinolines derivatives, synthesis, antibacterial activity 416.
rabbits, urinary tract infection, isolation 9357.
recurrent infection, chronic granulomatous disease, association, muscular dystrophy, children, case reports 10469.
recurrent infection, glycogenesis type Ib, association, leukocytes (neutrophilic) migration, adherence, man, case reports 600.
relationship, incidence, Staphylococcus aureus, nose microflora, man 667.
resistance, penicillins antibacterial activity, man 11405.
respiratory tract infection, cefotaxime treatment, man 6176.
respiratory tract infection, sisomicin treatment, man 10351.
sepsis, association, lung abscesses, man, case reports 7146.
septicemia, association, acupuncture, case reports, man 10565.
septicemia, endocarditis, treatment, fosfomycin, man 3551.
septicemia, netilmitin, antibacterial activity, man 7113.
septicemia, nosocomial infection, Epidemiology, man 1042.
soft tissues infection, treatment, ceftriaxone, man 8051.
spondylodiscitis, incidence, man, France 3534.
susceptibility, moxalactam, ± clindamycin, antibacterial activity, in vitro 339.
taxonomy 8330.
temocillin antibacterial activity 7785.
thermonuclease, cheese, detection, assays, methodology 1505.
toxic epidermal necrolysis, relationship, Stevens-Johnson syndrome, man 4475.
toxic shock syndrome, incidence, association, tampons, man, case surveys 3377.
toxic shock syndrome, presentation, renal failure, treatment, man 4527.
toxic shock syndrome, treatment, diagnosis, man 7033.
toxins, antibodies, abdomen, infection, man 558.
toxins, role, toxic shock syndrome, man, case surveys 10115.
tumors infection, man, immunological aspects 6148.
urinary tract infection, diagnosis, methodology, man, reviews 11816.
urinary tract infection, man, antibiotics treatment 10394.
urinary tract infection, man, characterization 11803.

Staphylococcus albus,
acne, measuring techniques, man 13081.
phagocytosis, association, monocytes+macrophage-activating factor 5236.

Staphylococcus aureofaciens,
antibiotic resistance, tetracycline, in vitro 381.

Staphylococcus aureus,
abdominal diseases, characterization, diagnosis, treatment 13311.
abscesses, liver, neonates, man 961.
abscesses, muscles, man, case reports 3506.
abscesses, skin, etiology, children 680.
adherence, influenza A virus infected cells 9584.
adherence, surfaces, dairy industry 79.
adherence, sutures 90
Agaricales antibacterial activity, Pinus radiata association 7859.
agglutination, fibronectin 1373.
agglutinins, role, sedimentation, reviews 59.
alafosfalin, antibacterial activity 5070.
antibacterial activity, β-lactam antibiotics 6803.
antibacterial activity, aminoglycoside antibiotics 6783.
antibacterial activity, ampicillin, erythromycin 12907.
antibacterial activity, antibiotic DL 473, in vitro, in vivo 3036.
antibacterial activity, antibiotic E-0702 9944.
antibacterial activity, antibiotic HR 756 1729.
antibacterial activity, antibiotic U 62162 11348.
antibacterial activity, antibiotic 6059-S 1752.
antibacterial activity, bacteriostasis, miconazole, ketoconazole 10032.
antibacterial activity, cefadroxil 3015.
antibacterial activity, cefadroxil, in vitro 354.
antibacterial activity, cefatrizine 329.
antibacterial activity, cefmenoximine 6810.
antibacterial activity, cefodizime 6809.
antibacterial activity, cefoperazone, cefotiam 347.
antibacterial activity, cefotaxime 1724.

Staphylococcus aureus, (continued)
- antibacterial activity, cefotiam 1721.
- antibacterial activity, cefotiam 2191.
- antibacterial activity, cefsulodin, antibiotic sensitivity testing 1715.
- antibacterial activity, ceftazidime 5074.
- antibacterial activity, cephaloridine, cephalexin, cefuroxime, in vitro, in vivo 7777.
- antibacterial activity, cephalosporins 1727.
- antibacterial activity, cephalosporins 12900.
- antibacterial activity, cephalothin 353.
- antibacterial activity, clindamycin, pirlimycin 9978.
- antibacterial activity, Dettox ABC, endoscopy equipment disinfection 10028.
- antibacterial activity, extracts, Chlorophyceae, Rhodophyceae 5141.
- antibacterial activity, fosfomycin, effects on structure 8791.
- antibacterial activity in vitro, N-chloramine compounds, comparison chlorhexidine 5961.
- antibacterial activity, insulin additives, phenol+glycerol+zinc 4203.
- antibacterial activity, isopenicillin N, penicillin N 11401.
- antibacterial activity, juncusol 6844.
- antibacterial activity, linolenic acid, linseed oil 8828.
- antibacterial activity, mice macrophages, immunological enhancement, role interferon 13044
- antibacterial activity, moxalactam, cefotaxime, in vitro 1718.
- antibacterial activity, N-methylnitrone, nitrovinyl, derivatives, structure-activity relationships 8839.
- antibacterial activity, Olea europaea oils, ozonation 12946.
- antibacterial activity, pamamycin, mechanisms 1741.
- antibacterial activity, penicillins 7788.
- antibacterial activity, rifamycin, in vitro, agitation effects on 5096.
- antibacterial activity, silicone, hydrocephalus shunts 441.
- antibacterial activity, soaps 4204.
- antibacterial activity, thienamycin derivatives 352.
- antibacterial activity, thiolactomycin 11421.
- antibacterial activity, vancomycin+rifampicin 369.
- antibiotic MK0787, antibacterial activity, β-lactam antibiotics 7783.
- antibiotic resistance 11441.
- antibiotic resistance, β-lactam antibiotics, macrolide antibiotics, aminoglycoside antibiotics, peptide antibiotics, tetracyclines 400.
- antibiotic resistance, amikacin, gentamicin 396.
- antibiotic resistance, association, plasmids DNA 2937.
- antibiotic resistance, cephalosporins binding penicillin-binding protein 7820.
- antibiotic resistance, drug resistance 380.
- antibiotic resistance, epidemiology, burn patients, nosocomial environments 8793.
- antibiotic resistance, gentamicin, induction, light 383.
- antibiotic resistance, man, occupational exposure, relationship, oxytetracycline, macrolide antibiotics, feeds, pigs 4193.
- antibiotic resistance, methicillin, gentamicin, antibacterial activity, minocycline± rifampicin 1733.
- antibiotic resistance, methicillin, infection isolates, man, Greece 1749.
- antibiotic resistance, methicillin, nosocomial infection, case reports, man 12009
- antibiotic resistance, methicillin, transformation, relationship, transduction 1755.
- antibiotic resistance, methodology 404.
- antibiotic resistance, moxalactam, antibacterial activity 1722.
- antibiotic resistance, oxytetracycline, induction, organic compounds 9984.
- antibiotic resistance, penicillin, streptomycin, tetracycline, erythromycin, chloramphenicol, gentamicin, man 406.
- antibiotic resistance, R factors, loss 10016
- antibiotic resistance, source, clinical isolates 378.
- antibiotic resistance, transduction 8738.
- antibiotic resistance, typing, clinical isolates 395.
- antibiotic Ro 13-9904, antibiotic GR 20263, antibacterial activity 364.
- antibiotic sensitivity testing 4165.
- antibiotic sensitivity testing, antibiotic resistance, rosaramicin, erythromycin 4182
- antibiotic sensitivity testing, disc-diffusion test 9922.
- antibiotic sensitivity testing, drug sensitivity testing, role, media 377.
- antibiotic sensitivity testing, mezlocillin, carbenicillin, methodology 391.
- antibiotic sensitivity testing, mezlocillin disc-diffusion test 6791
- antibiotic sensitivity testing, N-formimidoyl thienamycin comparison β-lactam antibiotics 5902
- antibiotic sensitivity testing, penicillin, streptomycin, kanamycin, tetracycline, chloramphenicol, erythromycin 3107.
- antibiotic tolerance, methicillin, methodology 8267
- antibiotic 6059-S, antibacterial activity, treatment, infection 1720.
- antibodies serum levels, septicemia, man 8979.
- antibody response, osteomyelitis, serum levels, electrophoresis, man 11571.
- antigen-antibody complexes, serum levels, cystic fibrosis, man 3232.
- antigenic relationship, Staphylococcus epidermidis 8931.
- antimicrobial activity, plant extracts, medicinal plants, Surinam 7856.
- antimicrobial activity, S,S'-dialkyldithiomethylene malonodinitriles, structure-activity relationships 5977.
- antimicrobial activity, 5-pheny-4H(R)-1,2,4-triazolin-3-thiones, hydrazinoaroylthiazoles 8838.
- aromatic alcohols antibacterial activity 5136.
- arsenate efflux, plasmids mediated resistance 12961.
- arthritis, association, drug abuse, man, case reports 5388.
- arthritis, clinical aspects, man 3518.
- arthritis, clinical aspects, reviews, man 9240.
- arthritis, complications, Hemophilia, man 2312.
- arthritis, osteomyelitis, diagnosis, treatment, infants, children, man 10460
- arthritis, treatment, man, reviews 4528.
- arthritis, varicella complications, children, case reports 946.
- association, arthritis, reviews 6305.
- association, kidney abscesses, treatment, reviews 5327.
- association pyelonephritis, diabetes mellitus rats 6212.
- association, tinea pedis, toe microflora, man 9074.
- association, toxic shock syndrome, exotoxin C production, purification, characterization 10078
- association, toxic shock syndrome, hemolysins, activity, characterization 11524
- association, toxic shock syndrome, man, reviews 3499.
- association, toxic shock syndrome, man, stings, Hymenoptera 11495.
- association, toxic shock syndrome, phage typing, incidence, man 9575.
- bacteremia, antibiotic resistance, methicillin, man, case surveys 3472.
- bacteremia, antibiotic therapy, cancer patients, man 9245.

Staphylococcus aureus, (continued)
- bacteremia, association, hemodialysis shunts, man 3442.
- bactericidal activity, amoxicillin, cefaclor 6812.
- bacteriuria, man, antibiotic resistance, methicillin 845.
- bekanamycin antibacterial activity 6786.
- binding, lectins like receptors, leukocytes, macrophages 4295.
- biomaterials colonization, adherence, use, chemotaxis chambers 6535.
- blood culture, media (isolation) 1260.
- bone sepsis, treatment, gentamicin+polymethyl methacrylate beadsman 4486.
- brain abscesses, pathology, Macaca mulatta 8108.
- Brucella abortus extracts bactericidal activity 7884.
- burn infection isolation, man 1929.
- t-butylhydroquinone effects on, in vitro 3083.
- cadmium drug resistance, plasmid IP 983 5034.
- cadmium toxicity, cysteine, sodium selenite, effects on 443.
- cadmium, transport, plasmids, role, drug resistance 3106.
- Calendula arvensis, Calendula officinalis, plant extracts, antibacterial activity 1773.
- capsules, proteins, amino acid composition, hydroxyproline 2740.
- carotenoids, biosynthesis 149.
- carotenoids, characterization 148.
- carriers, nasal microflora, man 3270.
- cattle, cow's milk, drug sensitivity testing, Brazil, USA, California 7869.
- cattle, mastitis, isolates, antibiotic sensitivity testing 385.
- cefmetazole, antibacterial activity 8775.
- cefmetazole antibacterial activity, infants, man 1710.
- cefodizime, antibacterial activity 11409.
- cefoperazone, antibiotic synergism, penicillinase inhibitors 345.
- cefotiam antibacterial activity 1719.
- ceftazidime, antibacterial activity 5065.
- ceftazidime, antibacterial activity, in vitro 357.
- cell walls proteins, binding, fibronectin 1331.
- cellulitis, etiology, man 11674.
- cervix microflora, man, association pregnancy 13071.
- challenge, lung, defense mechanisms, mice, proteins deficiency diets, effects on 3220.
- children institutions, p-formaldehyde disinfection 410.
- chlorpromazine effects on ultrastructure 5976.
- Cladophora antibiotics, antibacterial activity 429.
- clinical isolates, β-lactam antibiotics antibacterial activity 8779.
- clinical isolates antibacterial activity, ceftazidime comparison cephalosporin antibiotics 5068.
- clinical isolates, antibacterial activity, cephalosporins, use antibiotics treatment cystic fibrosis, man 5087.
- clinical isolates, antibacterial activity, moxalactam, cefoperazone 11406.
- clinical isolates, antibiotic resistance, agar dilution test 7832.
- clinical isolates, antibiotic resistance, mastitis, cattle 5107.
- clinical isolates, antibody-coated bacteria, serum, man, electron microscopy 3233.
- clinical isolates, association, toxic shock syndrome, enzymes activity, exotoxin C production, man 9785.
- clinical isolates, capetimycin, antibacterial activity 8768.
- clinical isolates, cefoperazone antibacterial activity, man serum effects on 9935.
- clinical isolates, chlorhexidine, drug resistance 8865.
- clinical isolates, enterotoxins, toxigenicity 8877.
- clinical isolates, identification, latex agglutination 3789.
- clinical isolates, moxalactam+gentamicin, antibiotic synergism 12887.
- clinical isolates, plasmids, antibiotic resistance, gentamicin 7837.
- clinical Isolates, toxins, production 473.
- coagulase biosynthesis, characterization 8604.
- coagulase negative Staphylococcus transfer antibiotic resistance, drug resistance, mixed culture 4197.
- coagulase, purification, characterization 2800.
- coagulase test, factors affecting 4685.
- colonization, genital tract, epidemiology, females, man 10408.
- colonization, substrate preferences, methodology 1283.
- colonization, vagina, risk factors, man 10409.
- comparison, gram-positive bacilli, transfer, plasmids, antibiotic resistance, tetracycline 9901.
- complement, role, clearance, lung, chemotaxis, opsonization, mice 6109.
- conjunctivitis, drug sensitivity testing, man 7149.
- conjunctivitis, etiology, children 2295.
- contamination, skin cleaning products, chlorhexidine antibacterial activity 446.
- culture, use, dextrans 7365.
- dermatitis, mastitis, prophylaxis, teat dips, hygiene, cattle 7279.
- detection, coagulase test 6464
- detection, disinfection, milking machines, mastitis, cattle 2347.
- diazachalcones, 2-pyrazoline derivatives, antimicrobial activity 422.
- dibekacin antibacterial activity 6785.
- dihydroxybenzene derivatives, antibacterial activity 449.
- disseminated infection, Citellus lateralis 1064.
- drug resistance, cadmium, efflux, role, plasmids 3113.
- drug resistance, man, postoperative infection treatment 8857.
- drug sensitivity testing, lysozyme 3107.
- elimination, association, peritonitis, relationship, lung tumors, mice 3538.
- endocarditis, association, dental manipulation, man, reviews 3451.
- endocarditis, clinical aspects, treatment, geographical variations, narcotics addicts, man 2323.
- endocarditis, diagnosis, management, association, drug addiction, man 11939.
- endocarditis, diagnosis, treatment, heroin addicts, man, case reports 2205.
- endocarditis, ECG, man 5368.
- endocarditis, man, case reports 994.
- endocarditis, meningitis, cotrimoxazole treatment, infants, man 10554.
- endocarditis, rabbits, experimental infection, clindamycin treatment 9335.
- endocarditis, treatment, nafcillin, rifamycin, children, case reports 11946.
- endophthalmitis, cefazolin toxicity testing, rabbits, animal models 11873.
- endophthalmitis, experimental infection, moxalactam, pharmacokinetics, rabbits 2397.
- endophthalmitis, postoperative infection, treatment, man 6285.
- endophthalmitis, treatment, antibiotics, man 5431.
- enterotoxin B, enzyme-linked immunosorbent assay 12964.
- enterotoxin B precursors, characterization 5997.
- C.D., enterotoxins 5156.
- C.D., enterotoxins 10064
- enterotoxins, catalysis, NAD^+ nucleosidase hydrolysis, kinetics 4231.

Staphylococcus aureus, (continued)
enterotoxins, characterization, bakery products Brazil 5995.
enterotoxins, detection, enzyme-linked immunosorbent assay, custard 5994.
enterotoxins detection, food, association, gastrointestinal tract diseases, man 10065
enterotoxins, detection, identification, immunodiffusion 11475.
enterotoxins, enzyme-linked immunosorbent assay, detection 5991
enterotoxins, isolation, food industry, personnel, carriers, nasopharynx 11516.
enterotoxins production, association, strains origin 5161
enumeration, media 4677.
enzymes, aminoglycoside antibiotics inactivation, role antibiotic resistance 10014
essential oils, antimicrobial activity 7858
etiology, abscesses, man 1038.
etiology, pneumonia, man 789
exfoliatin biosynthesis, clinical isolates 3125.
experimental infection, abscesses, brain, cats 1069
experimental infection dogs blood vessels grafts, treatment, oxacillin bonding 13403
experimental infection, effects on, citric acid, levels, milk, cattle 7283.
experimental infection, endocarditis, treatment, ampicillin+pencillinase inhibitors, rabbits 4577.
experimental infection, immunological enhancement, staphage lysage, mice 3188.
experimental infection, neonates dogs, neutropenia, effects on leukocytes (neutrophilic), treatment blood transfusion leukocytes (granulocytic) 6376.
experimental infection, rabbits osteomyelitis, antibody response 13023.
experimental infection, Sturnus vulgaris, foot, Aves, animal models 7281.
experimental infection, treatment, antibiotic synergism, azlocillin± cefotaxime± amikacin, mice 1704.
extracts, intravascular coagulation, mice 6016.
extracts, mitogens, characterization, mitogenicity 4268.
eye diseases 6852.
eye diseases, drug sensitivity testing, case surveys 7111
eye infection, treatment, topical application, tobramycin, gentamicin sulfate, man 5397.
R factors, antibiotic resistance, transfer, Escherichia coli, Vibrio cholerae 2880
R factors, recombination, association, transduction, phages 12833.
fibronectin-binding protein, isolation, immunoelectrophoresis (crossed) 8539.
foot infection, incidence, treatment, man 4470
L form, growth, osmotic stability 5681
L-form, media (culture), preparation 6459
L form, membranes, mitogenicity, lymphocytes 6913.
N-formimidoyl thienamycin, antibacterial activity, comparison, antibiotics 9938.
N-formimidoyl thienamycin, comparison, β-lactam antibiotics, antibacterial activity 9962
furunculosis, epidemiology, bacteriology, man 1935
furunculosis, outbreaks, mice 1073
gastrointestinal tract infection, cefotaxime treatment, man 6207
genital microflora, cattle 9326
genital tract infection, treatment, cefotaxime, females, man 2099
gentamicin antibiotic resistance, isolation, Denmark 3065.
gentamicin resistant mutant, incidence, nosocomial environments, plasmids, characterization 6830
glycocalyx, morphology, function, electron microscopy 5621.
glycoprotein composition, cell membranes, antigens, mitogenicity, mice, hypersensitivity (delayed) 5219.
gramicidin S adsorption 3834.
growth, cefotetan, antibacterial activity 5926
growth, intravenous administration fluids+albumin 4751.
growth, Mueller-Hinton agar, γ radiation sterilization 3762.
growth stage, concentration, methicillin, bactericidal activity 331.
growth, virulence, culture, in vivo, sheep, in vitro 8929.
β-hemolysin activity, association Furunculosis 12973.
δ-hemolysin, physicochemical properties, fluorescence, gel filtration 5151.
α-hemolysin, purification, amino acid sequence 2729.
α-hemolysins, antibodies, enzyme immunoassay, milk 499.
hemolysins, coagulase, release, inoculum size, time, effects on 2781.
hosts response, man, diseases 7105.
hypersensitivity (delayed), hypersensitivity (immediate), lymphocytes subpopulations levels, guinea-pigs 6087.
identification, coagulase assays 3781.
identification, meat, cheese, isolates 7391.
identification, use thermonuclease tests, evaluation 8283.
immune response, immunoglobulin G, complement, activation, monocytes 11591.
immune response, marcrophages, cytotoxicity, opsonization 9000.
immunity, nose secretions, immunoglobulin A, immunoglobulin M, man, space flight effects on 8972.
incidence, dairy industry effluents, Belgium 1241.
incidence, oral microflora, nasal microflora, man 13072.
incidence, relationship, yeasts, propionibacterium, diphtheroids, staphylococcus, nose microflora, man 667.
incidence, sinusitis, children 773.
indicator species, carbaryl toxicity 5144.
infection, antibiotic resistance, gentamicin, tobramycin, man, hospitals, incidence 392.
infection, antibodies detection, radioimmunoassay solid phase methods, man 11583.
infection, association, kidney abscesses, treatment, man, reviews 5327.
infection, association, lymphoma chemotherapy, immunocompromised hosts, man 6307.
infection, association, multiple myeloma, man 10454.
infection, association, renal failure, immunocompromised hosts, incidence, nose, skin 6948
infection, blood, relationship, disease transmission, man 2309.
infection, cattle, leukocytes (neutrophilic), antibacterial activity, cloxacillin, role, lysostaphin 8773.
infection, cefotaxime treatment, children 6267.
infection, cerebrospinal fluid shunts, man 9169.
infection, chickens, environmental conditions effects on 10722.
infection, children, endocarditis, characterization 10569.
infection, effects on Anthonomus grandis hemolymph 8132.
infection, leukocytes taxis induction, coagulase effects on, rabbits 11585.
infection, Macaca fascicularis, diseases characterization 9344.
infection, mammary gland, cattle, aflatoxin, effects on 1097.
infection, man, animal models, immunity, immunosuppression, opsonization fibronectin 10183.
infection, man, antibacterial activity, cefotaxime 9208.

Staphylococcus aureus, (continued)
infection, man, endocarditis, association, heroin addiction 10609.
infection, man, endocarditis, diagnosis, treatment 10586.
infection, man, keratitis, treatment, antibiotics 10495.
infection, man, meningitis, association, diabetes insipidus, pituitary dysfunction 13213.
infection, man, moxalactam treatment 9221.
infection, man, pneumonia, association alcoholism 9089.
infection, man, toxic shock syndrome, association intrauterine devices 12989.
infection, man, toxic shock syndrome, etiology, epidemiology, pathogenesis 12988.
infection, netilmicin treatment, netilmicin 10617
infection, pathogenicity, defense mechanisms, man 7092.
infection, peptidoglycans, antibodies, serum levels, man 1880.
infection, peptidoglycans, antibody response, immunoglobulin G, man 3199.
infection, rheumatoid arthritis, man 13291.
infection, sinus, man, toxic shock syndrome 11943.
infection, treatment, antibiotic 6059-S, children 2134.
infection, treatment, antibiotic 6059-S, children 2316.
infection, treatment, cefmetazole, infants, man 985.
infection, treatment, cefotiam, children 2248.
infection, treatment, cefotiam, children 2306.
infection, treatment, clindamycin, bone, man, case reports 3524.
infection, treatment, moxalactam, man 7188.
infection, treatment, moxalactam, man 8052.
infection, vancomycin treatment, man, susceptibility, antibacterial activity 11413.
infection, vancomycin treatment, neutropenia side effects, children, case reports 6312.
infectious diseases, association, leukocytes (granulocytic) activity, dogs 7932.
infectious diseases, diagnosis, counter immunoelectrophoresis, latex agglutination, man 8908.
inhibition, myristic acid, linoleic acid, pH effects, relationship, plasmids 1757.
interaction, HeLa cells, cell density, chlamydia trachomatis, effects on 22.
interaction, tampons, growth, toxins production, in vitro, association, toxic shock syndrome, man 9662.
intracellular killing, leukocytes (granulocytic), role, opsonins, immunoglobulins, complement 562.
isolation, assays, vagina, nose, man 10284.
isolation intensive care units, role nosocomial infection, man 10481.
isolation, nosocomial environments, epidemiology 10822.
isolation, toxic shock syndrome, man, exotoxin C production, conferences 10839.
joint diseases, bone diseases, antibiotic resistance, treatment, pristinamycin, infants, man 999.
leukocidin, α-toxin, stimulation, leukocytes, detection, chemiluminescence 10101
leukocidin components effects on,
+leukocytes (eosinophilic) peroxidase, effects on phagocytosis, rabbits 5209.
leukocytes (granulocytic) phagocytosis, intracellular killing, association, leukemia, man 9006.
leukocytes (neutrophilic), antibacterial activity, inhibition, cream, blood, milk, cattle 4544.
leukocytes (neutrophilic), microbicidal activity, cotrimoxazole effects on, man, chronic granulomatous disease 6840.
leukocytes (polymorphonuclear) bactericidal activity, cattle 1898.
leukocytes (polymorphonuclear), immunosuppression phagocytosis, peptidoglycans, protein A, teichoic acid, chemotaxis 6089.
leukocytes (polymorphonuclear) in vitro antibacterial activity, oxidative metabolism, geriatrics 10212.
lincomycin, aminoglycoside antibiotics, β-lactam antibiotics, combination, antibacterial activity 7764.
liposomes+penicillins, antibacterial activity 5925.
lipoteichoic acid extraction 6671.
lipoteichoic acids, isolation, characterization 4079.
lymphatic system, role, immune clearance, soft tissues infection, rabbits 10235.
lymphocytes blastogenesis, man, diabetes mellitus 4321.
lymphocytes T, activation, lymphocytes B, proliferation, differentiation 11623.
δ-lysin, conformational analysis, interactions membranes 11101.
lysylphosphatidylglycerol, use, liposomes production 9807.
Maclura pomifera fruits extracts antibacterial activity 450.
macrophages, antibacterial activity 10224.
macrophages, phagocytosis, bactericidal activity, chlorphentermine, iprindole, effects on, rats 6107.
macrophages, phagocytosis, man, rabbits, rats, hamsters, comparison 6088.
mammary gland infection, relationship, diploidy cell number, cell volume, goats 10672.
man, liver abscesses, treatment 8061.
mastitis, cattle 1067.
mastitis, cattle, milking machines, vacuum, effects on 4570.
mastitis, cattle, treatment, prophylaxis, antibiotics 5483.
mastitis, epidemiology, cattle 13399.
mastitis, experimental infection, histopathology, cattle 2393.
mastitis, incidence, cattle, Canada 8111.
mastitis, incidence, cattle, Norway 5482.
mastitis isolates, antibiotic resistance, streptomycin, neomycin, cattle 10019.
mastitis, leukocytes (polymorphonuclear) migration, mammary gland, cattle 8951.
mastitis pathogens identification, media (culture) 7363.
mastitis, prophylaxis, teat dips, chlorhexidine digluconate+glycerin, cattle 5453.
mastitis, teat, udder, morphology, relationship, cattle 3581.
membrane proteins, plasma membranes 9701.
meningitis, nosocomial infection, association, intravenous administration catheters, man, case reports 4438.
mercuric chloride drug resistance, zoonoses, dogs, man 9088.
metabolism, antibacterial activity, phanquone 3085.
methicillin+gentamicin, antibiotic resistance, nosocomial infection, disease control, infants, man 10620.
methicillin antibiotic resistance, clinical isolates, characterization 3059.
methicillin antibiotic resistance, detection, MS-2 system 4198.
methicillin, antibiotic resistance, mastitis isolates, cattle 5106.
methicillin, antibiotic resistance, MS-2 system, antibiotic sensitivity testing, characterization 8794.
methicillin resistance, infection, man, epidemiology 8808.
methicillin sensitivity, cloxacillin disc-diffusion test 12937.
micrococcal endonuclease immobilized enzymes, kinetics 4894.
microflora, genital tract, association, estrus cycle, dogs 9327.

Staphylococcus aureus, (continued)
microflora, maxillary sinus, man 673.
microflora, relationship, biocides, swimming pools, Australia 2479.
microflora, vagina, association, menstrual cycle, association, catamenial products use, man 10283.
mitogenicity, cell walls, peptidoglycans, teichoic acid, lymphocytes 6922.
mixed culture, transfer, antibiotic resistance, phages, transduction 11427.
mutants, phage Φ 11, U.V. radiation, DNA repair, factors affecting 1431.
neoplasia, cefuroxim treatment, infection, man 12011.
nitrate reductase, membranes, cytoplasm, characterization, crossed immunoelectrophoresis 2787.
Norflaxacin, antibacterial activity, comparison, chemotherapeutics, oral administration 9982
nosocomial infection, man, plasmid pUW3626, comparison, Staphylococcus epidermidis 6753.
nosocomial infection, neonates, man, characterization 11878.
nosocomial infection, outbreaks, antibiotic resistance, oxacillin+aminoglycoside antibiotics, man 967.
nosocomial infection, surveillance, control, man, hospitals, Scandinavia 10546.
nuclease A fragments, conformation relationship activity 7575.
nuclease, characterization 209.
opsonization fibronectin, phagocytosis leukocytes (granulocytic) 7952.
osteomyelitis, association, pericarditis, false aneurysm, man, case reports 7143.
osteomyelitis, clinical aspects, man 8066.
osteomyelitis, diagnosis, case reports, man 7161.
osteomyelitis, diagnosis, scintigraphy, joints, man 2203.
osteomyelitis, disseminated infection, man 2293.
osteomyelitis, treatment, clinical aspects, man 7163.
osteomyelitis, treatment, clinical trials, clindamycin, nafcillin, methicillin, children 9309.
otitis externa, clinical aspects, case reports, man 6193.
otitis externa, dogs 3602.
otitis media isolates, characterization, antibiotic sensitivity testing 2006.
otorhinolaryngeal infection, treatment, clindamycin, man 2019.
oxacillin antibacterial activity, antibiotic resistance, penicillinase 11444.
oxidative phosphorylation, antibacterial activity, N,N'-bis(dodecyldimethyl)-1,2-ethane diammonium dibromide, 2-piperidinoethyl-heptyloxyphenylcarbamate hydrochloride, 1-dodecylpiperidine N-oxide 2686.
paronychia, etiology, children 2211.
penicillin antibiotic resistance, association penicillinase biosynthesis 5954.
penicillin antibiotic sensitivity testing, clinical isolates, Autobac test 4180.
penicillin-binding protein, antibiotic resistance, methicillin, effects on 1461.
penicillinase activity, inhibitors, characterization 7577.
penicillinase, antibiotic tolerance, β-lactam antibiotics, screening 12933.
penicillinase, effects on, thienamycin derivatives, stability 5061.
penicillinase genes, initiation sites, ribosomes binding sites, DNA nucleotide sequence 4884
penicillinase, mechanisms, activity 4013.
penicillinase production, animal isolates dogs 5772.
penicillinase, reaction, isoxazolyl penicillins 7817.
peptides, transport 1347.
peptidoglycans biosynthesis, association, methicillin antibiotic resistance 5917.
peptidoglycans cross-linking, relationship, penicillin-binding protein 5802.
pericarditis, treatment, drainage systems, man 1027.
peritonitis, association, peritoneum dialysis, man 7132.
phage typing 31.
phage typing 9547.
phage typing, phages strains characterization 10917.
phage typing, toxic shock syndrome, man 9565.
phagocytosis, leukocytes (neutrophilic), monocytes, lung macrophages, man 4322.
phagocytosis, leukocytes (polymorphonuclear), leukocytes (mononuclear), role, complement C3, reviews 574.
phagocytosis, monocytes, monocytic leukemia, man 11621.
phenanthrene, phenanthroline, antibacterial activity, structure-activity relationships 7863.
phospholipase C, effects on sphingomyelin hydrolysis 12652.
phospholipids, effects on macrophages activity, mice 7947.
phospholipids, fatty acid composition, methicillin effects on 8382.
plasmid pC194, chloramphenicol antibiotic resistance, nucleotide sequence, gene mapping 6745.
plasmid pE194, antibiotic resistance, nucleotide sequence, gene mapping, replication 6744.
plasmid pIP983, cadmium, resistance, characterization 12850.
plasmid pSN2 nucleotide sequence, role enterotoxins biosynthesis 6737.
plasmid pT181, DNA, replication, cell-free system 5869.
plasmid pT181, repC gene, DNA nucleotide sequence 11046.
plasmids, antibiotic resistance, penicillin, tetracycline, transfer, Staphylococcus epidermidis, characterization 3049.
plasmids, role, antibiotic resistance, erythromycin, lincomycin 1672.
plasmids, toxins, bacteriocins, production, drug resistance cadmium, genetic analysis 1679.
plasmids, transfer, Bacillus subtilis, replication, expression 1671.
pneumonia, cefoperazone treatment, man 10347.
pneumonia, complications, lung ventilation, man 786.
pneumonia, incidence, ventilation, intensive care units, man 3331.
population dynamics, succession, biodegradation, Copra, Cocos nucifera 6542.
postoperative infection, arthroplasty, animal models 983.
postoperative infection, cefazolin prophylaxis, man 13259.
postoperative infection, cerebrospinal fluid shunts, hydrocephalus, children 2261.
postoperative infection, experimental, sutures materials effects on, animal models 1039.
postoperative infection, hip surgery, man, case reports 6278.
postoperative infection, penicillin prophylaxis, association, lung surgery, man 10451.
postoperative infection, rabbits, laparotomy, pathogenesis, surgery comparison surgical diathermy 13404.
postoperative infection, risks, man, case surveys 10568.
protein A, binding, fibronectin 168.
protein A, detection, use, enzyme-linked immunosorbent assay 1848.
protein A, histidine, role, immunoglobulin G, binding 11555.
protein A, immunoglobulin G binding, encapsulation effects on 609.
protein A, mice, spleen, effects on immune response 8974.
protein A, Pseudomonas aeruginosa, cystic fibrosis, serum antibodies, absorption, immunological aspects 4308.

Staphylococcus aureus, (continued)
protein A, role, opsonization, complement alternative pathway, activation 4269.
protein A, secondary structure, C.D. 11125.
protein A, skin response, man 1924.
proteinase effects on coagulase test 4692.
proteinase, nucleosomes, histones cleavage 4043.
proteins antigens, characterization 1862.
pseudomembranous colitis, pathogenicity, treatment, man 11772.
pyelonephritis, methicillin, antibiotic resistance, rats, treatment 7046.
pyomyositis, predisposing factors, pharyngitis, diagnosis, treatment, man, case reports 2231.
pyopneumothorax, neonates, man, case reports 6184.
pyridines, antibacterial activity, synthesis 439.
radioactive labelling methodology, association, charcoal adsorption 8280.
recovery surfaces, antibacterial activity, aerosols disinfectants 7847.
recurrent infection, immunodeficiency, leukocytes (neutrophilic) phagocytosis, man 10207.
respiratory tract bacteria, antibacterial activity, β-lactam antibiotics, erythromycin, man 805.
respiratory tract infection, aminoglycoside antibiotics treatment, children 10345.
respiratory tract infection, cefoperazone treatment, man 10349.
respiratory tract infection, drug addiction, heroin, man 10320.
respiratory tract infection, treatment, josamycin, neonates, man 10310.
Rhizoctonia bataticola metabolites antibacterial activity 5131.
ribosomes, binding 3-O-acetyl-4″-O-isovaleryltylosin 12918.
rifampicin antibiotic resistance, relationship virulence, mice 8815.
role, mastoiditis, children 1987.
role toxic shock syndrome, case reports, man 8032.
secretory otitis media, ear infection, clinical isolates 5286.
septicemia, netilmitin, antibacterial activity, man 7113.
septicemia, treatment, fosfomycin, man 11900.
skin diseases, man 13078.
skin diseases, treatment, man 6947.
skin isolates, biotyping, protein A detection 35.
skin lesions, diagnosis, man, case reports 3287.
sodium chloride effects on 8430.
sphingomyelinase, hydrolysis DL-erythro-N-palmitoyl-sphingosylphosphocholine, DL-erythro-N-stearoyl-sphingosylphosphocholine, DL-erythro-N-lignoceryl-sphingosylphosphocholine films, surfaces, pressure, effects on 9632.
strains, acquisition antibiotic resistance, association phages 5936.
strains, animal isolates, characterization, rabbits 10929.
strains, protein A levels, role, agglutination 9503.
Streptococcus faecalis, plasmids, R factors, transfer, antibiotic resistance 11311.
subclinical infection, udder, cattle 7231.
susceptibility, infectious bursitis effects on, chickens 1071.
susceptibility, leukocytes phagocytosis, antibiotics stimulation 13027.
teichoic acids biosynthesis 2821.
temperature-sensitive mutant, DNA biosynthesis 11059.
thermonuclease, cheese, detection, assays, methodology 1505.
thermonuclease deficient mutant, mutagenesis 4942.
thiolactomycin antibacterial activity 7810.
thymidine incorporation, β-lactam antibiotics effects on 5101.
thymine nutrient requirements, media (culture) 7364.
tobramycin± cefotaxime, moxalactam, serum bactericidal activity, man 313.
toxic epidermal necrolysis, circumcision complications, antibiotics treatment, neonates, man 11676.
toxic epidermal necrolysis, diagnosis, treatment, man, case reports 3284.
toxic epidermal necrolysis, etiology, man 7963.
toxic shock syndrome, assocation, tampons, man, case reports 5402.
toxic shock syndrome, association, postparturition, case reports, man 9150.
toxic shock syndrome, association, systemic lupus erythematous, differential diagnosis, clinical aspects, man 11521.
toxic shock syndrome, association, tampons, case reports, man 8004.
toxic shock syndrome, association tampons, man, case reports 7115.
toxic shock syndrome, case reports, tampons association, man 12975.
toxic shock syndrome, case surveys, man, USA, Iowa 7184.
toxic shock syndrome, clinical aspects, diagnosis, treatment, man, reviews 10079.
toxic shock syndrome, clinical aspects, man 4510.
toxic shock syndrome, clinical aspects, man, case surveys 11864.
toxic shock syndrome, clinical aspects, pathology, treatment, adolescence 11520.
toxic shock syndrome clinical isolates, enterotoxin F production, isolation, antibody response, man 10129.
toxic shock syndrome clinical isolates, man, epidermal toxins production 10077.
toxic shock syndrome clinical isolates, pathogenicity, exotoxins production, genetic control 9840.
toxic shock syndrome, diagnosis, clinical aspects, man, case reports 7036.
toxic shock syndrome, effects on, cardiac muscle, association, electrocardiogram 8010.
toxic shock syndrome, immunity, antibody response, man 10243.
toxic shock syndrome, incidence, man, British Isles 10131.
toxic shock syndrome, incidence, man, Canada 10099.
toxic shock syndrome, man, case reports 8078.
toxic shock syndrome, man, reviews 10112.
toxic shock syndrome, negative relationship, menstruation, man 10098.
toxic shock syndrome, tampons, case reports, man 9149.
toxic shock syndrome, tampons, man 8030.
toxic shock syndrome, transmission, association, hypocalcemia, man, case reports 2067.
toxic shock syndrome, ultrasonography, liver, case reports, man 6320.
γ-toxin, γ radiation, heat, effects on 3123.
α-toxin, δ-hemolysin, mechanisms activity 11504.
α-toxin formation, association, protein biosynthesis 6602.
α-toxin, immunosuppression, leukocyte migration, leukocytes (neutrophilic) 5232.
α-toxin, purification, physicochemical properties, effects on liposomes membranes 5172.
toxins biosynthesis relationship antibiotic resistance 1798.
toxins, food poisoning, epidemiology, man 7890.
toxins, food poisoning, epidemiology, sanitation, man 10097.
toxins, toxic shock syndrome, clinical aspects, treatment, man, case reports 486.
toxins, toxic shock syndrome, vagina, man 1018.
transfer, gentamicin antibiotic resistance, Staphylococcus hominis, in vitro, in vivo 6819.

- **Staphylococcus aureus, (continued)**
  - transformation, competence factor, isolation, characterization, phage 80α lysates 259.
  - transformation, competence factor isolation, phage 80α lysates 258
  - triacylglycerol lipase, purification, characterization 1496.
  - triacylglycerol lipase, purification, chromatography, methodology 4057.
  - tuftsin, bactericidal activity, immunostimulation, phagocytosis, macrophages, mice 6070
  - ultrastructure, dioxidine effects on 1771
  - urinary tract infection, treatment, fosfomycin, man 7032
  - vaccination, effects on opsonins biosynthesis, sheep 10244
  - vaccination, mice 13055
  - vaccines, immune response, lymph nodes, sheep 3252.
  - vaccines, mastitis prophylaxis, sheep 619.
  - vagina adherence, leukocytes (neutrophilic) bactericidal activity, relationship, toxic shock syndrome, man 3390
  - vagina infection, source, man 10407
  - ventriculitis, treatment, vancomycin, man 2225
  - vesicles, cadmium, manganese transport, cadB gene, cadA gene 6500.
  - viability, antibacterial activity, β-lactam antibiotics, role, adherence, surfaces 3026
  - virulence, antibiotics effects on 8760
  - viruses, mixed infection, respiratory tract, man 7004
  - wound infection, association, carcasses bone, occupational exposure, abattoirs, man 4358
  - wound infection, fractures, man 3444
  - wound infection, surgery, etiology, clinical aspects, man 10511.
  - wound infection, surgery, risk factors, camparison, nosocomial environments, man 10599
- **Staphylococcus capitis,**
  - precipitation, association lipoprotein (high density) serum factors 12564.
- **Staphylococcus carnosus sp.nov.,**
  - characterization 8328.
- **Staphylococcus cutis,**
  - endocarditis, diagnosis, echocardiography, case reports, man 12021.
- **Staphylococcus epidermidis,**
  - acne, treatment, adolescence 11677
  - agalactia, pigs 1112.
  - airborne microorganisms, samplers 9496.
  - antibacterial activity, 3',4'- dideoxyparomomycin analogs 7774.
  - antibacterial activity, antibiotic E-0702 9944
  - antibacterial activity, cefatrizine 329.
  - antibacterial activity in vitro, N-chloramine compounds, comparison chlorhexidine 5961
  - antibacterial activity, insulin additives, phenol+glycerol+zinc 4203.
  - antibacterial activity, rifamycin, in vitro, agitation effects on 5096.
  - antibiotic resistance, septicemia, nosocomial infection, intensive care units, man 4465
  - antibiotic sensitivity testing, antibacterial activity, equipment 304.
  - antibiotic sensitivity testing, N-formimidoyl thienamycin comparison β-lactam antibiotics 5902
  - antibiotics antibacterial activity, relationship, anaerobic conditions 3002.
  - antigenic relationship, Staphylococcus aureus 8931.
  - association, breast carcinoma, man 2243.
  - bacteremia man, diagnosis, blood culture subculture, +radiometry 7141.
  - bone sepsis, gentamicin+polymethyl methacrylate beads, man 4486.
  - Brucella abortus extracts bactericidal activity 7884
  - cefodizime, antibacterial activity 11409
  - cell walls proteins, binding, fibronectin 1331.
  - cervix microflora, man, association pregnancy 13071.
  - clinical isolates, antibacterial activity, ceftazidime 5066
  - clinical isolates, plasmids characterization 5861.
  - coagulase test negative, clinical isolates, toxigenicity, association animal cells 5992.
  - conjunctivitis, drug sensitivity testing, man 7149.
  - contamination, catheters, infections, urogenital tract, man 3383.
  - detection, blood culture, BACTEC test 3796
  - drug sensitivity testing 5903
  - effects on skin, man, psoriasis 10288.
  - endocarditis, antibiotic resistance, nafcillin, clinical aspects, man, case reports 7214.
  - endophthalmitis, complications, Keratotomy, case reports, man 13334.
  - endophthalmitis, postoperative infection, treatment, man 6285.
  - eye diseases 6852.
  - eye diseases, drug sensitivity testing, case surveys 7111.
  - foot infection, incidence, treatment, man 4470.
  - hemolysins biosynthesis, lincomycin effects on 8875
  - identification, meat, cheese, isolates 7391.
  - infection, quantitation methodology, association, Septicemia, man 13347.
  - infection, treatment, cefotiam, children 2306.
  - infection, vancomycin treatment, man, susceptibility, antibacterial activity 11413.
  - intra-abdominal infection, abscesses, gallium scanning, diagnosis, treatment, man 11988.
  - isolation, Kaposi's sarcoma, role, pathogenesis, case reports, man 7174.
  - meningitis, treatment, cefotaxime, children 895.
  - meningitis, treatment, vancomycin+rifampicin, man, case reports 885.
  - microflora, conjunctiva, man, microflora, effects on 3265.
  - nosocomial infection, neonates, man, characterization 11878.
  - nosozomial infection, neonates, necrotizing enterocolitis, man 7992.
  - ophthalmitis, postoperature infection, cataract surgery, man, case reports 954.
  - otitis media, association, Psoroptes cuniculi, clinical aspects, rabbits 8085.
  - otorhinolaryngeal infection, treatment, clindamycin, man 2019.
  - penicillin antibiotic resistance, association penicillinase biosynthesis 5954.
  - penicillinase, antibiotic tolerance, β-lactam antibiotics, screening 12933.
  - peptides, antibacterial activity, factors affecting 11412.
  - plasmid pNE131, antibiotic resistance, erythromycin, characterization, nucleotide sequence 2947.
  - plasmid pUW3626, comparison, Staphylococcus aureus, nosocomial infection, man 6753.
  - plasmids, antibiotic resistance, penicillin, tetracycline, characterization, transfer, Staphylococcus aureus 3049.
  - postoperative infection, cerebrospinal fluid shunts, hydrocephalus, children 2261.
  - postoperative infection, hip surgery, man, case reports 6278.
  - secretory otitis media, ear infection, clinical isolates 5286.
- **Staphylococcus epidermidis, (continued)**
  - skin diseases, treatment, man 6947
  - staphylococcine, histamine, release, blood, rats 4566.
  - Streptococcus, Haemophilus, Escherichia coli, children 895.
  - urinary tract infection, man, treatment, nitrofurantoin, methenamine 11797.
  - urinary tract infection, treatment, trimethoprim+sulfamethoxypyrazine, man 2077
  - virulence, polysaccharides, biochemical analysis 8921.
  - wound infection, surgery, etiology, clinical aspects, man 10511.
- **Staphylococcus faecalis,**
  - formaldehyde, microbiocidal activity 10024
- **Staphylococcus group B,**
  - recurrent infection, penicillin antibiotic resistance, infants, man, case reports 10561.
- **Staphylococcus haemolyticus,**
  - coagulase test negative, clinical isolates, toxigenicity, association animal cells 5992.
  - drug sensitivity testing 5903.
  - hemolysins biosynthesis, lincomycin effects on 8875.
- **Staphylococcus hominis,**
  - drug sensitivity testing 5903.
  - identification, meat, cheese, isolates 7391.
  - transfer, gentamicin antibiotic resistance, Staphylococcus aureus, in vitro, in vivo 6819.
- **Staphylococcus hyicus,**
  - infection, mammary gland, cattle, aflatoxin, effects on 1097.
- **Staphylococcus hyicus subsp.hyicus,**
  - coagulase positive, identification methodology, domestic animals isolates 2569.
- **Staphylococcus intermedius,**
  - coagulase positive, identification methodology, domestic animals isolates 2569.
  - horses, identification, role, phage typing 6467.
- **Staphylococcus lactis,**
  - Staphylococcus aureus, Micrococcus varians, biosynthesis 2821.
  - teichoic acids biosynthesis 2821.
- **Staphylococcus pneumoniae,**
  - bacteremia, association, carcinoma, man 4531.
  - pneumonia, etiology, clinical aspects, radiology, man 7975.
- **Staphylococcus pyogenes,**
  - osteomyelitis, diagnosis, treatment, clavicle, man, case reports, reviews 3545.
- **Staphylococcus saprophyticus,**
  - antibiotic sensitivity testing 4165.
  - antimicrobial agents, antibacterial activity 9928.
  - coagulase test negative, clinical isolates, toxigenicity, association animal cells 5992.
  - colonization urethra mucosa, man, tissue culture 9618.
  - drug sensitivity testing 5903.
  - urinary tract infection, children, case reports 11811.
- **Staphylococcus simulans,**
  - antigens, antigenicity 1869.
  - antigens, isolation, characterization 1868.
  - association, Staphylococcus staphylolyticus, identification 8338.
- **Staphylococcus staphylolyticus,**
  - association, Staphylococcus simulans, identification 8338.
  - production coordination, endopeptidase, β-hexosaminidase, proteinase 12683
- **Staphylococcus utilis,**
  - aminoacyl-tRNA synthetase complex, dissociation, elongation factors, initiation factors 2713.
- **Staphylococcus viridans,**
  - endocarditis, clinical aspects, treatment, geographical variations, narcotics addicts, man 2323.
- **Staphylococcus warneri,**
  - drug sensitivity testing 5903.
- **Staphylococcus xylosus,**
  - identification, meat, cheese, isolates 7391.
  - inhibitors, lytic enzymes, characterization 9810.
- **Starch,**
  - biodegradation, products, mixed culture, Streptococcus lactis, Saccharomycopsis fibuliger 8160.
- **Starch (bacterial glycogen) synthase,**
  - Escherichia coli, antigenic relationship, 1,4-α-glucan branching enzyme 11561.
- **Starter cultures,**
  - association, pigs manure inoculum, Bacillus, isolation, characterization 10851.
  - bacteria, proteolytic enzymes, characterization 5785.
  - Streptococcus cremoris, selection, phages infection resistance, cheese production 4977.
- **Starvation,**
  - amino acids, Bacillus subtilis, initiation sporulation 9647.
  - amino acids, induction Bacillus subtilis sporulation 6532.
  - chickens, association, feces, excretion, Salmonella typhimurium 6348.
  - effects on Bacillus subtilis autolysis, cell membranes 93.
  - effects on, Escherichia coli, DNA repair, U.V. radiation 6568.
  - Megasphaera elsdenii, culture, effects on survival 97.
  - Peptostreptococcus anaerobius, effects on antibacterial activity, hydrogen peroxide 6843.
  - Selenomonas ruminantium continuous culture, effects on growth 12455.
  - survival, role, amino acids fermentation, spirochetes 169.
  - thymine, Escherichia coli, cell division relationship DNA biosynthesis 8457.
  - Vibrio, effects on cell adhesion 12359.
- **Statistical analysis,**
  - antibacterial activity, antileprotic agents, Mycobacterium leprae, methodology, reviews 8849.
  - Bacillus subtilis, sporulation 1358.
  - bacteria, biodegradation, phenol, shake culture, factors affecting 3839.
  - epidemiology, nosocomial infection, factors affecting, man, hospitals, reviews 10521
  - growth estimation, bacteria 10986.
  - incidence, toxic shock syndrome, man, USA, Wisconsin 10105.
  - methodology, toxic shock syndrome epidemiology, man, USA 10121.
  - Mycobacterium, identification, taxonomy 5587.
  - Mycobacterium, taxonomy 5586.
  - risk factors, postoperative infection, man, hospitals 10523.
  - risk factors, toxic shock syndrome, man, USA 10107.
  - risk factors, toxic shock syndrome, man, USA 10120.
  - syphilis, epidemiology, man 10436.
- **Statistical genetics,**
  - mathematical models, polymorphism, microorganisms 12761.

Steam,
  sterilization, effects on, Rhizobium, quality, Glycine max, Medicago sativa, Arachis hypogaea 2463
Steel,
  syringes, comparison, teflon catheters, complications, risk factors, nosocomial infection, man 11875.
Stem cells,
  transfection plasmid pBR322, SV40, herpes simplex virus 1, deoxyribonuclease sensitivity 5863.
Stem rot,
  Sclerotium oryzae, epidemiology, burning, crop residues, Oryza sativa 13445.
Stenosis,
  association, Streptococcus mitis, endocarditis, diagnosis, echocardiography, aortic valve, man, case reports 3447.
Steptococcus pneumoniae,
  transformation, DNA effects on integration 6570.
Stereochemistry,
  carotenoids, Corynebacterium poinsettiae, Micrococcus luteus 4792.
  cis-2-octenoyl-CoA reductase, reduction, stereospecificity, Escherichia coli 12635.
  fatty acid synthetase mechanisms, Saccharomyces cerevisiae comparison Brevibacterium ammoniagenes 5738.
  phenylalanine decarboxylase, mechanisms, Micrococcus percitreus 3971.
Stereoselectivity,
  Nocardia corallina, Arthrobacter, transformation, warfarin 5652.
  Streptomyces, dehydrogriseofulvin, transformation 4758.
  Streptomyces griseus proteinase, tryptophan methyl ester hydrolysis 4882.
Stereospecificity,
  cis-2-octenoyl-CoA reductase, reduction, stereochemistry, Escherichia coli 12635.
  Escherichia intermedia, tyrosine phenol-lyase activity 7539.
  Flavobacterium lutescence L-lysine 6-aminotransferase, Bacillus sphaericus ornithine-oxo-acid aminotransferase 8590
  Gluconobacter, 3-methylpentane-1,3,5-triol oxidation 6536.
Sterigmatocystin,
  antibiotic synergism, Aspergillus nidulans glycoproteins, antibacterial activity, Bacillus subtilis 8788.
  antibiotic synergism, Aspergillus nidulans glycoproteins, antibacterial activity, gram-positive bacteria 8789.
Sterilation,
  sugars, effects on Escherichia coli degradability 8460.
Sterility,
  corn cobs particles, dehydration, Escherichia coli, Bacillus subtilis, fluidized beds, burn patients 11930.
Sterilization,
  anesthesia unit, role, prophylaxis, postoperative infection, lung, man 1986.
  antibiotics, heart valves replacement, prophylaxis, graft-versus-host reaction, man 1006.
  Bacillus subtilis var.niger spores, propylene oxide 445.
  bioassays, Bacillus stearothermophilus spores, heat resistance 7414.
  dairy products, heat resistance bacteria, conferences 10842.
  environments, use, burn patients treatment, nosocomial infection control, man 1041.
  formaldehyde, media (culture), bacteria 12219.
  indicators, Bacillus stearothermophilus spores, relative humidity, storage effects on 9527.
  milk, heat resistance mesophilic bacteria 9658.
  milk, heat resistance psychrophilic bacteria 9656.
  peat, γ-radiation 3702.
  radiation, freezing, effects on, Yersinia enterocolitica, viability 2659.
  γ radiation, Mueller-Hinton agar, growth, Shigella boydii, Neisseria meningitidis, Staphylococcus aureus 3762.
  soil, effects on soil microorganisms 9472.
  U.V. radiation, phylloplane, bacteria microflora populations 10875.
  ventilators, intensive care units 979.
Sterinol,
  disinfectants, contamination, Pseudomonas, morphology, resistance 414.
Steroid Δ-isomerase,
  Pseudomonas testosteroni, active sites, amino acid sequence inactivation 5,10-secoestr-5-yne-3,10,17-trione 6664
  Pseudomonas testosteroni, inactivation 5,10-seco-19-norpregn-5-yne-3,10,20-trione, 5,10-secoestr-5-yne-3,10,17-trione, adducts formation 6591
Steroid 15β-monooxygenase,
  ferredoxin, purification, characterization, Bacillus megaterium 8569
Steroid-binding protein,
  Pseudomonas testosteroni cytoplasmic membranes 3937.
Steroids,
  effects on Bacteroides 8408.
  effects on penicillin treatment, Streptococcus pneumoniae septicemia, association, splenectomy, animal models 10615.
  hydrogenation, bacteria, gastrointestinal tract, man 1401.
  hydroxylation, temperature effects on 6520.
  hypertension, role, intestinal microflora, bacteria, animal models 9072
  interaction, 20β-hydroxysteroid dehydrogenase, Streptomyces hydrogenans 181.
  interaction, 20β-hydroxysteroid dehydrogenase, Streptomyces hydrogenans 182.
  oxidation, characterization 5640.
Sterols,
  biosynthesis, drug sensitivity testing effects on, mixed culture, bacteria, +Candida 5988.
  uptake, Nocardia, surfacants effects on 11235.
Stevens-Johnson syndrome,
  association, Mycoplasma pneumoniae, infection, diagnosis, children, man, case reports 4399.
  association, Mycoplasma pneumoniae respiratory tract infection, children, case reports 10313.
  bacteria, man, reviews 13087
  man, association Mycoplasma pneumoniae infection 7964.
  relationship, Staphylococcus, toxic epidermal necrolysis, man 4475.
Stigmatella aurantiaca,
  fruit bodies formation, association, pheromones biosynthesis 6681.
Stimulation,
  Clostridium perfringens sporulation, papaverine 10943.
  lymphocytes, Mycoplasma arthritidis mitogens, mice, genetic analysis 4316.
  lymphocytes, Streptococcus equi, protein M, phytohemagglutinin, horses 11608.
  sex pheromone, transfer, plasmids, antibiotic resistance, Streptococcus faecalis 2907.
Stings,
  association, toxic shock syndrome, man, Hymenoptera, Staphylococcus aureus 11495.
Stoichiometry,
  adenosinetriphosphatase subunits, Escherichia coli 8564.
  Escherichia coli, transport, lactose, protons 2591.
  models, bacteria, growth, activated sludge 2644.
  Streptococcus faecalis, transport, sodium, potassium, protons 6505.
Stomach,
  microflora, Lactobacillus fermentum, erythrosine, antibacterial activity, rats 6322.
  pathology, syphilis, man, case reports 7077.
  postoperativeinfection microflora, bacteria, gastrointestinal tract surgery, man 668.
  sheep, Lactobacillus, isolation, identification 9549.
Stomatitis,
  association, bacteria oral microflora, Serpentes, zoological gardens, USA, Tennessee 8121.
Stomatococcus mucilaginosus gen.nov sp.nov,
  taxonomic revision, nomenclature, associaton micrococcus mucilaginosus, characterization 8346.
Stomoxys calcitrans,
  disease transmission, anaplasmosis, cattle 3594.
Storage,
  effects on, Bacillus niger var.niger, toxigenicity 12966.
  effects on, Bacillus stearothermophilus spores, sterilization indicators 9527.
  freeze-drying, association, Rhizobium culture, factors affecting survival 9514.
  media, cornea, bacteria contamination prevention 12218.
  Rhizobium, viability 12217.
Storage conditions,
  effects on Mycobacterium paratuberculosis viability, animal isolates 3774.
Storage effects,
  Tyzzer's disease, Bacillus piliformis, virulence 515.
Strains,
  Clostridium chauvoei, colonial characteristics, pathogenicity 85.
  Escherichia coli, glutathione deficiency, effects on, coenzyme A disulfide, glutathione 9712.
  Fusobacterium necrophorum, DNA homology, taxonomy 151.
  Pasteurella multocida, antigenic relationship 519.
  Streptococcus group B, pathogenicity, serum bactericidal activity, phagocytosis, neutrophils, man 579.
Strangles,
  Streptococcus equi, clinical aspects, horses 6346.
Straw,
  ammonification, rumen microorganisms biodegradation, sheep 8079.
  hygiene, coliforms, housing, role mastitis, cattle 10666.
  Oryza sativa, decomposition, effects on, nitrogen fixation, growth, Rhizobium 2439.
Streams,
  alpine environments, population dynamics, environmental effects, bacteria 7338.
  community composition, chlorine, pollution effects 9487.
  leaf litter decomposition, forests, clear cutting 13520.
  microorganisms, biodegradation, lignocellulose, cinnamic acid 9491.
  polluted environments, filamentous microorganisms, iron oxidation, growth 2489.
  water pollution, coliforms, fertilizer applications, crop fields, manure 8240.
Streptex test,
  identification, Streptococcus, blood culture 3791.
Streptobacillus moniliformis,
  experimental infection, arthritis, inflammation, mice 3222.
  infection, pythogenesis, epidemiology, diagnosis, charaterization 11984.
Streptococcin F-29,
  antibacterial activity, Streptococcus group A 12910.
Streptococcin G-2580,
  antibacterial activity, Streptococcus group A 12910.
Streptococcus,
  abscesses, appendix, man, case reports 6310.
  abscesses, skin, etiology, children 680.
  acne, treatment, doxycycline, man 1942.
  adherence, nasopharynx, children 9566.
  adherence, oropharynx cells, mediation, lipoteichoic acid, fibronectin receptors, man 9603.
  agglutination tests, identification 1313.
  animal isolates, domestic animals, antibiotic sensitivity testing, Netherlands 3000
  antibacterial activity, ampicillin, erythromycin 12907.
  antibacterial activity, antibiotic 6059-S, in vitro, treatment, infection, man 1744.
  antibacterial activity, cefodizime 6809.
  antibacterial activity, ceftazidime 5074.
  antibacterial activity, cephalosporins 1727.
  antibacterial activity, N-formimidoyl thienamycin 1717.
  antibacterial activity, rosaramicin 368.
  antibacterial activity, 18-deoxynargenicin A1, synthesis 7813.
  antibiotic sensitivity testing, N-formimidoyl thienamycin comparison β-lactam antibiotics 5902.
  antibiotic 6059-S antibacterial activity 1743.
  antibiotics activity, 7-hydroxytropolon 6773.
  antibodies, serum assays, mice, animal models 6072.
  antigens, antibody response, man 13018.
  antigens, detection, counter immunoelectrophoresis, comparison, Phadebact test 7903.
  antigens, oral microflora, immunoglobulin A levels, saliva 573.
  antisera, extraction, characterization 6026.
  bacteriuria, association, diagnosis, man 4521.
  beer, biodeterioration, taxonomy 9548.
  biosynthesis, nisin, characterization, reviews 4152.
  brain abscesses, treatment, syringes aspiration+craniotomy, man, case reports 6241.
  ceftazidime, antibacterial activity 5065.
  cell aggregation, cell adhesion, saliva role 8399.
  cell membranes, binding, lymphocytes T surface markers, poststreptococcal glomerulonephritis, man 1881.
  cell surface, protein M, conformational analysis 4844.
  cell walls, effects on complement, rats 4312.
  clinical aspects, physiology, identification, serotyping, methodology 10907.
  clinical isolate, characterization, API-20 STREP evaluation 8279.
  clinical isolates, aminoglycoside antibiotics antibiotic resistance, role enzymes

Streptococcus, (continued)
10012.
clinical isolates, cefoperazone, antibiotic sensitivity testing 11375.
colonization, rats, gastrointestinal tract infection 9375.
contamination, media (culture), recovery Mycobacterium tuberculosis 3767.
dental caries, gnotobiotics (germ-free), rats, xylitol, palatinit, sucrose, diets, effects on 3649
dental plaque microflora, man, New Zealand 725
dental pulp infection, measuring techniques, man 13112.
detection, disinfection, milking machines, mastitis, cattle 2347
ecology, intestine, man 1922
endocarditis, association, glomerulonephritis, rabbits, role, antiglobulin 1901.
endocarditis, association, hemodialysis, man 11989
endocarditis, diagnosis, management, association, drug addiction, man 11939.
endocarditis, ECG, man 5368
endocarditis, heart valves replacement association, man 10448.
endocarditis, lesions development, pigs 8103.
endocarditis, prophylaxis, man 4491.
endocarditis, treatment, man 4495
endocarditis, treatment, surgery, aortic valve, man 3476.
endocarditis, treatment, surgery, aortic valve, man 3478.
enumeration, identification, dental plaque, children 13075.
etiology, endocarditis, man 2182
eye diseases 6852
Fasciola hepatica microflora 13419
fecal microflora, metronidazole, sulfasalazine, effects on, man 672.
feces indicator organisms, irrigation systems pollution, Brazil 7342.
feces, soil pollution, land managment relationship 8202.
R form, S form, RS form, characterization 3820
gangrene, clinical aspects, diagnosis, treatment, case reports, man 12027.
gangrene, man, case reports 7175.
genital microflora, cattle 9326
glomerulonephritis, comparison, rheumatic fever, association, immunoglobulin A levels, man 12015
glomerulonephritis, immune response (humoral), man 11589.
group B, septicemia, treatment, plasmapheresis, neonates, man 6263.
growth, blood agar, media (enrichment) 1258.
growth, nutrient requirements variants, blood culture 4765
heat resistance, milk sterilization 9656
hemolysins, isolation, purification, characterization 5996.
identification, blood culture, Phadebact test, Streptex test 3791.
identification, computer applications, beef, contamination 6477.
identification, media (selective) 5594.
immunostimulants, spleen, colony-forming cells, effects on, mice 5218.
impetigo, treatment, ointments, fucidin, cicatrin, man 1936.
incidence, dairy industry effluents, Belgium 1241.
incidence, lakes, USSR 12172
infection, association, glomerulonephritis, children 11882.
infection, association, glomerulonephritis, immunopathology, man 5437.
infection, bone, joints, treatment, osmic acid, man 3536.
infection, cefoperazone treatment, man 10608.
infection, diagnosis, antibodies detection, man 6261.
infection, diagnosis, detection deoxyribonuclease II antibodies, man 6877.
infection, diagnosis, indirect hemagglutination, man 11534.
infection, diagnosis, neonates, man 4506
infection, glomerulonephritis, role, neuraminidase, sialic acid, man 3379.
infection, incidence, children, man 4512.
infection, man, antibacterial activity, ceftriaxone 9216.
infection, man, endocarditis, clinical aspects 10575.
infection, man, endocarditis, diagnosis, treatment, pathology, conferences 10846.
infection, man, endocarditis, penicillin treatment 10572.
infection, man, eye diseases, antibiotics treatment 10492.
infection, man, pregnancy, antibiotics treatment 9256
infection, pathology, organotropism, Plecoglossus altivelis 6357.
infection, Plecoglossus altivelis, aquaculture 6334
infection, Plecoglossus altivelis, aquaculture 10653.
infection, Plecoglossus altivelis, fish culture, organs distribution, histopathology 6332.
infection, pregnancy, man, clinical aspects, treatment, effects on fetuses, neonates 2232.
infection, sacroileitis, man 5416.
infection, tetracyclines treatment, man 11942.
infection, treatment, antibiotic 6059-S, children 1752.
infection, treatment, antibiotic 6059-S, children 2316.
infection, treatment, erythromycins, man 3467
infection, vancomycin treatment, man, susceptibility, antibacterial activity 11413.
intestinal microflora, distribution, abundance, Schistocerca gregaria 3652.
ions transport, reviews 9596
isolation, tonsillitis, recurrent infection, children 1989
lactic acid bacteria, U.V. radiation effects on growth, phages production 1652.
lactic acid bacteria, plasmids, characterization 1670.
lymphadenitis, pathogenesis, cats 8117.
mammary gland abscesses, pigs, 5477.
mastitis, cattle, treatment, prophylaxis, antibiotics 5483.
mastitis, diagnosis, goats 7271.
mastitis, disease control, cattle 2339.
mastitis, epidemiology, cattle 13399.
mastitis, incidence, cattle, Brazil 7266.
mastitis, incidence, cattle, Canada 8111.
mastitis isolates, cattle, penicillin antibacterial activity 5105.
meningitis, treatment, cefotaxime, children 895.
necrotizing fasciitis, treatment, clinical aspects, bacteriology, man 2259.
oral cavity isolates, carcinogenicity testing, gnotobiotics, rats 3647.
oral cavity isolates, inhibition growth, HeLa cells 8895.
oral infection, man, antibiotics treatment 10305.
oral microflora, differentiation, biochemical characteristics, methodology 41.
osteomyelitis, arthritis, etiology, man 12007.
otitis, diagnosis, treatment, antibiotics, man 766.
otorhinolaryngeal infection, treatment, clindamycin, man 2019.
palatinit, sugar comparison, acid production 7968.
pathogenicity, Plecoglossus altivelis 5457.
pathogenicity, Plecoglossus altivelis, comparison, Vibrio anguillarum 6335.
peritoneovenous shunts, blood, infection, man, dental manipulation, relationship 13351.
peroxidase, thiocyanic acid, effects on hydrogen peroxide antibacterial activity

Streptococcus, (continued)
11206
pGB301 plasmid, antibiotic resistance 5020.
pharyngitis, association, common cold, diagnosis, symptoms, man 749.
pharyngitis, association, food contamination, military personnel 13143.
pharyngitis, epidemiology, South Africa 783.
pharyngitis, tonsillitis, treatment, bacampicillin, penicillin V, amoxicillin, man 13122.
pharyngitis, tonsillitis, treatment, man 13135.
pharyngitis, treatment, cefadroxil, children 747.
pharyngitis, treatment, penicillin G, children 10312.
pharynx isolates, incidence, children, Brazil 5289.
phenoxymethylpenicillin analogs, antibacterial activity 7781.
plasmids, drug resistance, genes transfer, characterization 5888.
plasmids, drug resistance, genes transfer, reviews 5890.
polysaccharides, antibodies, detection, role, diagnosis, Streptococcus infection, man 2201.
post-streptococcal scleroderma, myocardium pathology, man, case reports 4501.
postoperative infection, man, surgery, antibiotics treatment 10580.
poststreptococcal glomerulonephritis, association rheumatic fever, man 13283.
preservation, gelatin disc drying method, media (transport) 6454.
protein M secondary structure, comparison tropomyosin, cell surface 1470.
respiratory tract infection, cefotaxime treatment, man 6176.
respiratory tract infection, clinical aspects, man 11707.
role, etiology, mastitis, cattle 3635.
RS form, infection, pathology, pigs 3592.
saliva, dental plaque, chlorhexidine effects on, man 728.
scarlet fever, association, hepatitis, case reports, man, reviews 11993.
sepsis, clinical aspects, adults, man 7189.
septicemia, clinical aspects, diagnosis, treatment, man 11994.
serotypes, interaction, saliva, agglutinins, oral cavity, man, calcium, effects on 3305.
serotyping, latex agglutination 2537.
serotyping methodology 12241.
serotyping, pathogenicity, animal isolates, pigs 10924.
skin infection, otitis media, pharyngitis, cefaclor treatment, clinical trials, man 13264.
soft tissues infection, treatment, ceftriaxone, man 8051.
Streptococcus milleri, bacteriocins, biosynthesis, isolation 9916.
streptolysin O, erythrocytes lysis 11507.
streptolysin O, mechanisms membrane damage, fibroblasts, man 11506.
susceptibility, moxalactam, ± clindamycin, antibacterial activity, in vitro 339
symbiosis, spores, Glomus macrocarpus var.macrocarpus 4618.
temocillin antibacterial activity 7785.
tonsillitis, immune response, man 779.
tumors infection, man, immunological aspects 6148.
vaccination, rabbits, man immunoglobulin G antibodies production 9066.
virulence, reactivity, immunoglobulin G, rabbits, man 6038.
Streptococcus acidominimus,
septicemia, arthritis, man, case reports 9211.
Streptococcus agalactiae,
abscesses, myocardium, diagnosis, treatment, man, case reports 2234.
agglutinins, role, sedimentation, reviews 59.
antibiotic resistance, tetracycline, determinants, gene mapping, characterization 5943
biochemical characteristics, clinical isolates, growth, milk 7465.
cell adhesion, cattle mammary gland epithelium cells 12051.
cell walls, polysaccharides, antigens, immunoelectron microscopy 4256.
growth, associaton, milk, components, lactation, milking time 7475.
infection, mammary gland, cattle, aflatoxin, effects on 1097.
mastitis, cattle, milk yield 5465.
mastitis, factors affecting, drugs treatment, cattle 13381.
mastitis, incidence, cattle, Canada 8111.
mastitis pathogens identification, media (culture) 7363.
Streptococcus agolactiae,
mastitis isolates, antibiotic resistance, streptomycin, neomycin, cattle 10019.
Streptococcus anginosus,
infection, pathology, man 4468.
Streptococcus aureus,
skin infection, bacampicillin treatment, man 13076.
Streptococcus bacteroides,
microflora, vagina, cervix, association, menopause, man 3269.
Streptococcus bavis,
bacteremia, association, colon neoplasia, risks, man 9292.
Streptococcus bovis,
bacteremia, lesions, diagnosis, man, case reports 2206.
carbohydrates effects on fungi patulin antibacterial activity 12951.
continuous culture, pigments, carbon dioxide, pH, effects on, production 11033.
continuous culture, pigments, production, glucose 11034.
detection, enumeration, polluted environments, feces, man, animals, media (selective) 1264.
endocarditis, association, adenocarcinoma, surgery, man, case reports 7173.
endocarditis, association, neoplasia, colon, prosthetics, mitral valve, man 3521.
endocarditis, man, case reports 1040.
endocarditis, polyposis coli presentation, man, case reports 3528.
endocarditis, presentation, osteomyelitis, new records, case reports, man 7199.
infection, man, endocarditis, penicillin treatment 10572.
intestinal microflora, competition, Megasphaera elsdenii, Cattle 7222.
meningitis, association, carcinoma, colon, man, case reports 902.
meningitis, children, man, case reports 6233.
proteinase, growth, in vitro, rumen 3556.
Streptococcus candidus,
antibiotic A35512B derivatives, characterization 5898.
Streptococcus constellatus,
antibiotic resistance, penicillin, association, endocarditis, children, man, case reports 5950.
Streptococcus cremoris,
adherence, surfaces, dairy industry 79.
curing, phage ΦMU1 characterization 1653.
extracellular polymers, biosynthesis, slimes 8632.
β-D-galactosidase, purification, characterization 4870.
growth, nitrogen sources, milk 1387.
lactate biosynthesis 216.
L-lactate+protons antiport 6503.
peptidase, localization, cell walls, plasma membranes 5786.

Streptococcus cremoris, (continued)
  plasmids, characterization 1670.
  proteinase, cell walls, characterization 5787.
  restriction-modification, role, plasmids 2940.
  starter cultures, selection, phages infection resistance, cheese production 4977.
Streptococcus durans,
  arylamidase characterization 5771.
  endodeoxyribonuclease SduI, purification, substrate specificity 6619.
Streptococcus equi,
  clinical isolates, abortion, horses 4547.
  protein M, phytohemagglutinin, lymphocytes stimulation, horses 11608.
  strangles, clinical aspects, horses 6346.
Streptococcus equinus,
  role, amoscanate transformation, mutagens, intestine, gnotobiotics, mice 12080.
Streptococcus equisimilis,
  agalactia, pigs 1112.
  clinical isolates, abortion, horses 4547.
Streptococcus faecalis,
  alafosfalin, antibacterial activity 5070.
  antibacterial activity, β-lactam antibiotics 12903.
  antibacterial activity, aminoglycoside antibiotics 6783.
  antibacterial activity, antibiotics, temperature effects on 5053.
  antibacterial activity, cephalosporins 12900.
  antibacterial activity, chlorine, iodine, sanitizers, eggs, washing, factors affecting 3079.
  antibacterial activity, detergents 10030.
  antibacterial activity, moxalactam, cefotaxime, in vitro 1718.
  antibacterial activity, N-formimidoyl thienamycin± gentamicin 340.
  antibiotic resistance, tetracycline, determinants, gene mapping, characterization 5943.
  antimicrobial agents, effects on colonization, digestive tract, mice 10285.
  association pyelonephritis, diabetes mellitus rats 6212.
  biochemical characteristics, use drinking water indicator species 11002.
  Brucella abortus extracts bactericidal activity 7884.
  carbamate kinase, kinetics, mechanisms 4034.
  cell culture growth conditions effects on pyrolysis gas chromatography 9512.
  clinical isolates, antibacterial activity, azlocillin, ± cefotaxime, ± tobramycin 7765.
  culture, use, dextrans 7365.
  diphenyliodonium chloride, antimicrobial activity 3098.
  endocarditis, experimental infection, antibiotic synergism, penicillins, streptomycins, rabbits 8098.
  endocarditis, experimental infection, penicillins, Streptomycin, treatment, rabbits 8097.
  etiology, endocarditis, man, hospitals, USA, Michigan 4496.
  experimental infection, subcutaneous chambers, inflammation, association, accumulation, gallium citrate, leukocytes, rabbits 2209.
  F_1-F_0 adenosine triphosphatase, purification, characterization 1534.
  R factors, transfer, Staphylococcus aureus, antibiotic resistance 11311.
  folic acid antagonists inhibition growth 8462.
  N-formimidoyl thienamycin, antibacterial activity, comparison, antibiotics 9938.
  N-formimidoyl thienamycin, comparison, β-lactam antibiotics, antibacterial activity 9962.
  gluconate phosphorylation, enzymes role 11229.
  β-D-glucose-1-phosphate, structure, antigenic determinants, characterization 5806.
  growth, indicator species, water pollution, carbaryl, effects on 5981.
  indicator species, carbaryl toxicity 5144.
  infection, abdomen surgery, treatment, moxalactam 7016.
  infection, man, antibacterial activity, cefotaxime 9208.
  inorganic pyrophosphatase, enzymatic activity, regulation, batch culture 2754.
  membrane potential, membrane permeability, radiation effects on 12298.
  membranes, DNA adherence sites, association, growth rate 12516.
  meningitis, diagnosis, man, case reports 904.
  mezlocillin+metronidazole antibacterial activity, aerobic conditions 8780.
  Norflaxacin, antibacterial activity, comparison, chemotherapeutics, oral administration 9982
  peptides, transport, fluorescamine 5633.
  phosphocarrier protein, N.M.R. 7526.
  phospholipids, effects on macrophages activity, mice 7947.
  plasmids, antibiotic resistance, transfer, stimulation, sex pheromone 2907.
  plasmids, determinants, tetracycline, antibiotic resistance 6759.
  potassium transport, characterization 6493.
  protonmotive force, potassium effects on 69.
  pyelonephritis, antibiotics treatment, pharmacokinetics, animal models 13257.
  pyelonephritis, treatment, ampicillin± rifampicin± streptomycin, animal models 862.
  radiosensitization, bromine effects on γ radiation lethal levels 3103.
  radiosensitization, use, anions 442.
  sodium hypochlorite, antibacterial activity, assays 3078.
  sodium pumps, adenosinetriphosphatase 9597.
  transport, sodium, potassium, protons, stoichiometry 6505.
  urinary tract infection, cefaperazone treatment, man 8002.
Streptococcus faecalis subsp.liquefaciens,
  antibiotic sensitivity testing, chickens isolates 12883.
Streptococcus faecalis subsp.zymogenes,
  growth, catalase, hematin, effects on, glycerol media (culture) 1383.
Streptococcus faecium,
  adherence, epithelium, duodenum, role, colonization, chickens, gnotobiotics 3809.
  antibacterial activity, N-formimidoyl thienamycin± gentamicin 340.
  antibiotic resistance, R factors 7838.
  bacteriocins, hemolysins, characterization 472.
  biochemical characteristics, use drinking water indicator species 11002.
  chickens isolates, antibiotic sensitivity testing 12883.
  dihydrofolate reductase, kinetics, activity 1519.
  gastrointestinal tract colonization, association, oral administration, man 7006.
  intestinal microflora, effects on growth, chickens, juveniles 2330.
  β-lactam antibiotics resistance, role, cell membranes proteins 9990.
  lipoteichoic acid extraction 6671.
  morphology, growth, cell division, relationship, surface properties, effects on 1333.
  recovery surfaces, antibacterial activity, aerosols disinfectants 7847.
  strains, biochemical characteristics, antibiotic sensitivity testing, taxonomy 2575.
  tetrahydrofolate dehydrogenase, ligands interaction, N.M.R. 11193.
Streptococcus ferus,
  isolation, characterization, oral cavity, Rodentia 6331.
Streptococcus group A,
  adherence, cell culture, influenza A virus infection 12395.
  adherence, pharynx epithelium cells, role, polysaccharides 4735.
  antibacterial activity, penicillin, erythromycin, in vitro 342.
  antibiotic synergism, penicillin+gentamicin, antibacterial activity, kinetics 1711.
  antibodies, detection, streptozyme test reagents composition 4254.
  antigens, antibody response, immunoglobulin M, immunoglobulin G, characterization 11543.
  antigens cross-reactivity basement membranes, antigens, man, mice 7917.
  antigens, cross-reactivity, skin, tumors, man 524.
  clinical isolates, antibiotic resistance, agar dilution test 7832.
  detection methodology, Isocult culture test, throat, man 3760.
  diseases, association, neurosis, man 10418.
  endocarditis, antibiotics treatment, association, blindness, panophthalmitis, man, case reports 13284.
  enterotoxins, isolation, purification, methodology 5149.
  erythromycin, penicillin, cephalosporins, antibacterial activity, antibiotic resistance 1747.
  exotoxins, biosynthesis, role, phages 6001.
  Fc receptors, localization 12292.
  Fc receptors, rabbits immunoglobulin G Fab effects on 4270.
  L form, induction, characterization 12401.
  L form, induction, correlation, serotypes 5609.
  gingivostomatitis, diagnosis, treatment, man, case reports, reviews 6956.
  hyaluronidase biosynthesis, penicillin effects on 8597.
  incidence, immunoglobulin G Fc receptors 8937.
  infection, blood, relationship, disease transmission, man 2309.
  infection, man, heart, antibodies detection, association, immune serum 9015.
  infection, man, rheumatic fever, long-term effects, case surveys 11892.
  infection, treatment, prednisolone, antisera, mice 5487.
  man, man, rheumatic fever, epidemiology, prevention 10589.
  media (selective) 1268.
  meningitis, predisposing factors, children 2130.
  mutants, penicillin antibiotic resistance, antibiotic tolerance, penicillin-binding protein 7824.
  opacity factor, antisera preparation, rabbits 8910.
  penicillin-binding proteins, characterization 172.
  pharyngitis, antibiotic resistance, erythromycin, man, case reports 9106.
  pharyngitis, man, case reports 800.
  pharyngitis, treatment, penicillin V, man 761.
  pharyngitis, treatment, penicillin V, penicillin G, cefadroxil, erythromycin, children 10336.
  pharynx infection, antibody response, man 6071.
  polysaccharides, antigens, purification, chromatography 224.
  protein A isolation, use, nitrous acid 3926.
  protein A like activity 1871.
  protein M, lymphocytes cytotoxicity, pathogenesis, rheumatic fever 7110.
  protein M, reactivity, hybridoma, monoclonal antibodies, immunization (passive), mice 11560.
  resistance, phagocytosis, complement C3 9022.
  respiratory tract infection, cefadroxil treatment, man 9087.
  respiratory tract infection, children, interuction, influenza A virus, respiratory syncytial virus 11744.
  respiratory tract infection, treatment, antibiotics, role, carriers, man 1981.
  rheumatic fever, association myocardial infarction, man 13307.
  rheumatic fever, diagnosis, clinical aspects, man 5362.
  rheumatic fever, epidemiology, man, USA, Mississippi 2300.
  rheumatic fever, liver pathology, man, case reports 3494.
  rheumatic fever, rheumatic heart disease, control programs, international cooperation, man 2269.
  rheumatic fever, rheumatic heart diseases, prognosis, man, Czechoslovakia 8048.
  rheumatic fever, rheumatic nodules, lymphocytes B distribution 6318.
  rheumatic fever, serological tests, man 7109.
  rheumatic heart disease, diagnosis, adolescents, man, case reports 10468.
  rheumatic heart disease, pathology, children, Nigeria 2264.
  rheumatic heart disease, prognosis, children, Nigeria 2263.
  scarlet fever, toxins, effects on reticuloendothelial system, rabbits, mice 7900.
  streptococcin F-29, streptococcin G-2580, antibacterial activity 12910.
  throat isolates, serotyping, methodology, Phadebact test 2541.
Streptococcus group B,
  adherence, trachea cells, mice, mediation, influenza A virus 12396.
  adherence, vagina, association, menstrual cycle, man 1352.
  adherence, vagina epithelium cells in vitro 4721.
  agglutination factors, characterization 11488.
  amniotic fluid, antibacterial activity, in vitro 12943.
  amniotic membrane rupture, man 870.
  ampicillin, chloramphenicol, antibacterial activity, antibiotic antagonism, treatment, meningitis 3008.
  animal isolates, cattle, identification, phage typing, hyaluronidase, pathogenicity 3805.
  antibacterial activity, amniotic fluid, man 3105.
  antibacterial activity, moxalactam, cefotaxime, ampicillin, penicillin 334.
  antibiotic resistance, penicillin, pH effects 388.
  antibiotic sensitivity testing, β-lactam antibiotics 355.
  antibiotic synergism, penicillin+gentamicin, antibacterial activity, kinetics 1711.
  antibodies levels, sexually-transmitted diseases, man 929.
  antigens, identification, neonates man, body fluids, latex agglutination 6874.
  antigens, purification, characterization 1863.
  antigens, sialic acid, role, antibody response, mice 11629.
  arthritis, diagnosis, treatment, infants, children, man 10460.
  bacteremia, penicillin antibiotic resistance, man, case reports 10517.
  bactericidal activity, leukocytes (mononuclear), leukocytes (polymorphonuclear), neonates, man 3223.
  biosynthesis, neuraminidase, oxygen, effects on 199.
  carriage, genitourinary tract, effects on fetuses, birth, man 6222.
  carriage, vagina, pregnancy, man 970.
  carriers, antibody response, pregnancy, man 576.
  carriers, rectum, incidence, relationship, menstrual cycle, contraceptives, Neisseria gonorrhoeae infection, man 829.
  cell walls, polysaccharides antigens, purification, characterization 4258.
  cell walls, structure 5601.
  clinical isolates, abortion, horses 4547.

Streptococcus group B, (continued)
clinical isolates, proteinase, neuraminidase, antigens, association, virulence, mice 3182.
detection methodology, man isolates 1256
disseminated infection, epidemiology, man, British Isles 8042
endotoxins, effects on lung circulatory system, sheep 492.
experimental infection, mastitis, glucose, albumin, somatic cells, levels, cattle 3624.
experimental infection, meningitis, bacteremia, pathology, animal models 2132.
experimental infection, mice, meningitis, antibiotic synergism, ampicillin+gentamicin 13212.
experimental infection, pathogenicity, pregnancy, mice 3571
growth stage, concentration, penicillin, bactericidal activity 331
identification, CAMP test 2534.
immune response, proteins, characterization 10193
incidence, association, pregnancy, infants, man 10633
incidence, pregnancy, maternal transfer, neonates, man 2085.
infection, cell surface antigens development, rabbits 11550.
infection, diagnosis, neonates, man 10482
infection, epidemiology, clinical aspects, diagnosis, neonates, man 11881
infection, immunity, role, macrophages, neonates, rats 5211
infection, immunotherapy, immune serum, opsonization, neonates, rats 4341.
infection, infants, twins, man 4459
infection, liver diseases, children, case reports 10542
infection, man, sexually-transmitted diseases 9191.
infection, role, antibodies maternal transfer, infants, man 608.
infectious diseases, diagnosis, counter immunoelectrophoresis, latex agglutination, man 8908
isolates, cattle, man, serotyping, phage typing 2550
B-lactam antibiotics, bactericidal activity 6795
lymphocytes phagocytosis, role complement activation, opsonization, capsules 8976
media (selective), methodology 12202.
meningitis, recurrent infection, infants, man 10422
neonates, man, colonization, incidence, family studies 4517.
nosocomial infection, transmission (horizontal), infants man 7208
opsonization, requirements 535.
penicillin antibiotic tolerance, characterization, clinical isolates, neonates, man 3066
penicillinase, antibiotic tolerance, β-lactam antibiotics, screening 12933.
peritonitis, association, pregnancy, man, case reports 5384.
polysaccharides, association glucitol 8640
rifamycins, +ampicillin, inhibition, antibacterial activity 9977.
role, proctitis, males, homosexuality 5324
sepsis, association, gallbladder distention, infection, man 8067.
sepsis, association, splenectomy, pathology, man, case reports 7125.
sepsis, meningitis, mortality, epidemiology, neonates, man 2123.
sepsis, neonates, animal models, immunoprophylaxis, leukocytes (polymorphonuclear) administration 5248
septicemia, association, endophthalmitis, treatment, neonates, man 10625.
septicemia, association, hernia, diaphragm, infants, man 966.
septicemia, meningitis, treatment, long-term effects, neonates, man 11868.
strains, pathogenicity, serum bactericidal activity, phagocytosis, neutrophils, man 579.
urinary tract infection, infants, children 856.
vaccines, effects on hemagglutinins serum levels, blood groups, man 10256
vagina infection, detection, fluorescent antibody test, association, pregnancy, man 4427.
virulence, mice 13006

Streptococcus group C,
clinical isolates, antibiotic resistance, penicillin 393
pericarditis, man, case reports 11910.
rabbits cold agglutinins, antigen-antibody interactions, cell surface glycoproteins, immunoglobulin G 6113.

Streptococcus group D,
antibacterial activity, cefoperazone 9970.
antibacterial activity, cephalothin 353.
antibacterial activity, teichomycin, comparison vancomycin 5931.
antibiotic sensitivity testing, clinical isolates 5905.
bacteremia, clinical aspects, case surveys, man 939.
biological properties, tissues specificity 13016.
clinical isolates, abortion, horses 4547.
dental caries, gnotobiotics (germ-free), rats, xylitol, palatinit, sucrose, diets, effects on 3649
endocarditis, association, catheterization, man, case reports 953.
experimental infection, urinary tract, rabbits, antibodies, levels 1878
R factors, transfer, incompatibility 12855
N-formimidoyl thienamycin, antibacterial activity, in vitro 9958
identification, litmus milk 1310
identification methodology, SeroSTAT 2540.
incidence, vagina, man 3375.
infection, abortion, fetuses, horses 10681
infection, colonization, relationship, moxalactam, treatment, man 4469.
infection, man, endocarditis, pathology, treatment 10584.
inhibition, Streptococcus mitis, growth, pH effects 4617.
lincomycin, aminoglycoside antibiotics, β-lactam antibiotics, combination, antibacterial activity 7764.

Streptococcus group E,
growth, antigens production, association, media 8919.
infection, pigs, detection, agglutinins, association, agglutination 8273.

Streptococcus group F,
infection, pathology, man 4468.
streptococcin F-29, antibacterial activity, Streptococcus group A 12910.

Streptococcus group G,
antigens role pathogenesis, mastitis, cattle 8109.
arthritis, clinical aspects, man, case reports 7215.
characterization, reviews 10879.
food contamination, association, pharyngitis, man 13151.
infection, neonates, man, association sepsis 10557.
microflora, genital tract, association, estrus cycle, dogs 9327.
streptococcin G-2580, antibacterial activity, Streptococcus group A 12910.

Streptococcus group N,
peptide hydrolase, purification, characterization, reviews 5790.

Streptococcus haemolyticus,
arthritis, clinical aspects, reviews, man 9240.

Streptococcus hemolyticus,
cefmetazole, antibacterial activity 8775.

Streptococcus intermedius,
endocarditis, experimental infection, immune response (cell-mediated), mustine, immunosuppression, rabbits 6077
liver infection, infants, man, association, pins ingestion 10592.

Streptococcus lactis,
adherence, surfaces, dairy industry 79.
agglutinins, role, sedimentation, reviews 59.
antibacterial activity, hypothiocyanite anions 1779.
autolysis, teichoic acid effects on 12695.
factors affecting nisin adsorption 11018.
fermentation cattle colostrum proteins, effects on 12416.
galactose metabolism, regulation, phosphotransferase, characterization 6637.
glucose analogs effects on energy production, growth 12462.
lactate biosynthesis 216.
lactic acid, production, cyclic AMP, effects on 1556
mixed culture, Saccharomycopsis fibuliger, starch, biodegradation, products, commensalism, competition 8160
phages, interaction, temperature effects, cheese production 2891.
phosphocarrier protein, N.M.R. 7526.
plasmids, characterization 1670.
radiosensitization, 2-nitroimidazoles, membranes 4727.
strains differentiation, electrophoresis plasmids DNA 5590.
sucrose, metabolism, transport 1559.

Streptococcus lactis subsp.diacetylacris,
citrate metabolism, correlation, plasmids 240.

Streptococcus lactis subsp.diacetylactis,
growth inhibition test, spoilage microorganisms, dairy products 6846.
mutants, carbonyl compounds, levels 1627.
mutants, fatty acids biosynthesis, milk 4953.
plasmids, characterization 1670.

Streptococcus lactis supsp.diacetylactis,
citrate metabolism, enzymes, characterization 2778.

Streptococcus milleri,
bacteremia, association, liver diseases, man, case reports 7144.
bacteriocins, biosynthesis, isolation 9916.
cariogenicity, gnotobiotics, rats 4376.
dental plaque formation, sucrose, effects on 731.
etiology, liver abscesses, man 4516.
infection, pathology, man 4468.
man, liver abscesses, treatment 8061.
meningitis, case reports, man 8020.
sepsis, diagnosis, clinical aspects, case reports, neonates, man 9279.

Streptococcus miteor,
inhibition, Candida albicans, oral microflora, mice, in vitro 1051.

Streptococcus mitior,
agglutinins, saliva, characterization, man 3236.
endocarditis, vancomycin treatment, pregnancy, man 7169.
isolation, blood culture, growth, media (culture) 3766.
Streptococcus milleri, bacteriocins, biosynthesis, isolation 9916.

Streptococcus mitis,
aggregation 4737.
blood culture, media (culture), identification 1259.
cell aggregation, cell adhesion, saliva role 8399.
dental plaque, uptake, glucose, man, in vitro 2668.
dextran glucosidase, isolation, characterization 1484
dipeptidyl peptidase IV, purification, characterization, substrate specificity 4006.
endocarditis, association, stenosis, diagnosis, echocardiography, aortic valve, man, case reports 3447.
genes transfer, sorbitol fermentation 1629.
growth, inhibition, Streptococcus group D, pH effects 4617.
man, liver abscesses, treatment 8061.
meningitis, septicemia, man, neonates, case reports 8011.
population composition, dental plaque, Macaca fascicularis 2345.

Streptococcus mutans,
2-acetamido-2-deoxy-D-glucose, precursors, cell walls, peptidoglycans, characterization 6666
acid production, sodium, potassium, effects on 5812.
acid production, viability, yield, arginine effects on 4768.
Actinomyces viscosus, interaction effects on colonization rates, dental plaque, rats 11012.
adherence, hydroxyapatite, immunoglobulin A, saliva, inhibition 9014.
adherence, surfaces, maternal effects, surfaces, children, in vitro 2608
agglutinins, association, immunoglobulin A, saliva, man 552.
agglutinins, saliva, characterization, man 3236.
aggregation, bradophen effects on 1956.
antibacterial activity, iodine, sodium fluoride, pH effects on 7843.
antibacterial activity, iodine+sodium fluoride, rats 4550.
antibacterial activity, saliva, growth inhibition 8854.
antibodies, serum levels, Macaca fascicularis 4291.
antigens, purification, immunosorbents, column chromatography, proteins lipoteichoic acid, competition 510.
antigens serotypes, mitogenicity, lymphocytes B, mice 5199.
antigens, vaccination, dental caries, Macaca fascicularis, characterization 6131.
antigens, vaccination, prophylaxis, dental caries, monkeys 3254.
bacteria, identification, gas chromatography 2548.
bacteriocins, antibiosis, Actinomyces viscosus 1154.
carbohydrate metabolism, induction dental caries, manganese effects on 12400.
cariogenicity, biochemical characteristics, serotypes specificity 10148.
cell aggregation, cell adhesion, saliva role 8399.
cell walls carbohydrates antigens, lymphocytes B polyclonal activators, immune response, mice 6114.
cell walls teichoic acids characterization, chemostats culture 11230.
concentration, association, risks, dental caries, man 3309.
defective mutants, cell adhesion, cell aggregation, isolation, characterization 8659.
dental caries, association, radiotherapy, cancer patients, man 724.
dental caries, calcium glycerophosphate+sodium fluoride, treatment, rats 6958.
dental caries, dental pulp response, gnotobiotics, rats 6383.
dental caries, fluoride effects on, animal models 6158
dental caries incidence, man, oral microflora, isolates, dextranase effects on 10301.
dental caries, prophylaxis, association, immunostimulation, muramyl dipeptide, man 3231.

Streptococcus mutans, (continued)
  dental caries prophylaxis, maternal effects, man 13101
  dental caries, relationship, diets, nutrition, man 3301.
  dental caries, saliva immunoglobulin A, antibody response, children 13045
  dental plaque formation, sucrose, effects on 731.
  dental plaque, growth, metabolism, xylitol+sorbitol, effects on 435.
  dental plaque, incidence, tooth, man, orthodontics, equipment, relationship 4378.
  dental plaque, polysaccharides, metabolism, dextranase, release, batch culture 12604.
  dental plaque, rats, trace elements, drinking water, effects on 732.
  deposition, glass, measurements 4680.
  detection, Macaca fascicularis dental plaque, use, fluorescent antibody test 12042
  dextranase inhibitor, purification characterization 11114
  ecology, diseases 9201.
  enamel demineralization, association, dental caries, man 13103.
  enzymes, Streptococcus salivarius, Streptococcus sanguis, glucose, phosphorylation, comparison 5779
  etiology, dental caries, man, Greenland 723.
  fermentation, sucrose, acid production, kinetics 2832
  fluoride inhibition acid production, in vitro 8629
  fluoride uptake 12354
  formate acetyltransferase, purification, characterization 4936.
  glucan biosynthesis, cell surface, adherence 9592
  glucans biosynthesis, dental caries effects on 4949
  glucans biosynthesis, glucans effects on 221.
  glucose transport, role, protonmotive force 5632.
  glucosyltransferase, immunization, hamsters 9064
  glucosyltransferase, photoinactivation 180.
  growth, adherence, teeth, gnotobiotics (germfree), rats 4593.
  growth, saliva+hydroxyapatite 5679.
  growth, selenium fluoride, sodium fluoride, selenium chloride, effects on 4755.
  growth, trace elements, metals, effects on, chemostats 3849
  infection, immunoglobulin A levels, dental plaque, cancer patients 718.
  infection, teeth, sugar, effects on, rats, animal models 6953
  isolation, characterization, dental plaque, Macaca fascicularis 2344.
  laminaribiose phosphorylase, purification 2749
  levels, saliva, dental caries, relationship, children, parents 1952.
  lysozyme, inorganic compounds, effects on morphology 12325.
  membrane structure, membrane composition, temperature effects 1372.
  morphology, protein biosynthesis, peptidoglycans biosynthesis, penicillin, effects on 4179
  mutants, isolation, morphology, chains 11289
  oral infection, epidemiology, plaque index, man 704
  oral microflora, dental caries, nursing bottles, infants, man 13096.
  oral microflora, inhibition, fluoride, role, uptake, pH effects 2632.
  peroxidase antibacterial activity, immunological enhancement, role, immunoglobulin A, mice 8982.
  peroxidase, thiocyanic acid, effects on hydrogen peroxide antibacterial activity 11206
  phospholipase A1, extracellular levels, activity 8595
  polysaccharides biosynthesis, fluoride, lithium, strontium, effects on 223
  population dynamics, dental plaque, Macaca fascicularis, animal models 10302
  products, association, lymphocytes transformation immunomodulation, man 10201
  proteins antigens, purification, characterization 1860
  proteins genes, cloning, Escherichia coli, association, antigenic characteristics 11272
  proteolipids, characterization 4082
  Pyruvate kinase, purification, characterization 5759.
  rats dental caries, urea peroxide treatment 13375
  saliva children man, chlorhexidine treatment 6160
  saliva, dental plaque, chlorhexidine effects on, man 728.
  serotypes, biochemical characteristics, micromethods 10872
  serotypes, biosynthesis, polysaccharides, carbohydrate composition 4072.
  serotypes, communal breeding, effects on, dental caries flora, Macaca fascicularis 10679
  serotypes, glucans, structure, methylation 11227
  serotypes, morphology, biochemical analysis, antigenic characteristics, cultural characteristics 10896
  strains, serotyping, agglutination, methodology 12237
  Streptococcus milleri, bacteriocins, biosynthesis, isolation 9916
  sucrose transport, phosphoenolpyruvate-fructose phosphotransferase, continuous culture 6495
  sugars effects on glucans biosynthesis 12702.
  tobacco effects on, in vitro, association periodontal diseases 7857
  transmission, role, dental caries, animal models 13100.
  vaccination, prophylaxis dental caries, man 9042
  virulence, colonization, dental caries, gnotobiotics, rats 1124.
  wild type rats infection, effects on mutants colonization 7667

Streptococcus pneumoniae,
  antibacterial activity, antibiotic DL 473, in vitro, in vivo 3036.
  antibacterial activity, antibiotic DL473, rifampicin, in vivo, in vitro 4188
  antibacterial activity, antibiotics, temperature effects on 5053
  antibacterial activity, erythromycin, clindamycin, penicillin G, tetracycline, doxycycline, chloramphenicol, cotrimoxazole, in vitro 389
  antibacterial activity, moxalactam, cefoperazone 12904
  antibiotic resistance, penicillin, incidence, USA, Texas 5937
  antibiotic resistance, penicillin, mechanisms 407
  antibiotic resistance, penicillin, screening, carriers, man 6829
  antibiotic resistance, serotyping, Italy 30
  antibiotic resistance, tetracycline, determinants, gene mapping, characterization 5943
  antigenic properties, vaccines, development, reviews 521
  antigenic relationship, Klebsiella, antigens structure 7920
  arthritis+osteomyelitis, children, case reports 5393
  arthritis, association, drug abuse, man, case reports 5388
  arthritis, association, gout, case reports, man 943
  arthritis, clinical aspects, reviews, man 9240
  autolysis, lysozyme effects on 8442
  bacteremia, association, vertebrae puncture, relationship, meningitis, children 6234
  bacteremia, clearance, phagocytosis, opsonization, correlation, cell cycle 557
  bacteremia, man, case reports 4461
  bacteremia, role, fever, children 963
  bacteremia, splenectomy effects on, animal models 5376
  binding, C-reactive protein, man 10959

Streptococcus pneumoniae, (continued)
  bronchitis, treatment, penicillins, bacampicillin, man 13119.
  C-reactive protein, role, complement, immunostimulation, leukocytes (neutrophilic) 11611.
  C-reactive protein, role, immunity, mice 11606.
  capsules, cell walls, binding, activation, complement C1q 5224.
  capsules polysaccharides characterization 4073.
  capsules, polysaccharides, structure 217.
  capsules, polysaccharides, structure 8630.
  carriers, nasopharynx, antibody response, infants, man 3200.
  cefmetazole, antibacterial activity 8775.
  cefodizime, antibacterial activity 11409.
  cell walls, chemical composition 6514.
  cell walls, effects on leukocytes (granulocytic), rabbits 1895.
  cell walls, plasma membranes, characterization 6501.
  cell walls, teichoic acids polymers, activation, complement C3b, alternative pathway 3186.
  cephalosporins, antibacterial activity 9971.
  clinical isolates, antibacterial activity, cotrimoxazole, erythromycin± sulfisoxazole 7799
  clinical isolates, antibacterial activity, rocephin 5060.
  clinical isolates, antibiotic resistance, agar dilution test 7832.
  clinical isolates, antibiotic resistance, geographical distribution 6827.
  clinical isolates, antibiotic sensitivity testing, β-lactam antibiotics, association, penicillin, antibiotic resistance 3012.
  clinical isolates, serotypes, antibiotic sensitivity testing 4687.
  clinical isolates, serotyping 6481.
  colonization adherence, nasopharynx mucus, children 9602.
  complement alternative pathway activation, C-reactive protein inhibition 6096.
  complement Cl_q binding assays, otitis media isolates 607.
  complement fixation, role, complement 506.
  conjunctivitis, etiology, children 2295.
  deficient mutant, autolysis, effects on, cell walls proteins, permeability 1377.
  diseases, animal models 7211.
  diseases, epidemiology, children, infants, man 7198.
  diseases, epidemiology, immune response, vaccines, conferences 7350.
  diseases, epidemiology, vaccines, man, developing countries 7194.
  DNA, cloning, use transformation 4968.
  elimination, lung, atelectasis, animal models 1972.
  etiology, aseptic meningitis, man, case reports 7068.
  etiology, Neisseria meningitidis, Streptococcus pneumoniae, man, case reports 7068
  etiology, otitis media, children 1999.
  etiology, pneumonia, man 789.
  eye diseases, drug sensitivity testing, case surveys 7111.
  genetic control, restriction endonuclease mapping cleavage sites 12796.
  identification, typing, fluorescent antibody test 4252.
  immunity assays, pollutants immunosuppression, animal models 13026.
  immunoglobulin A proteinase, characterization, role, infection, man 9728.
  infection, association, diabetes mellitis, susceptibility, lung, animal models, mice 3609
  infection, association, multiple myeloma, man 10454.
  infection, C-reactive protein, role, mice, opsonization 6090.
  infection, cefotaxime treatment, man 6272.
  infection, children, characterization, bacteremia 12022.
  infection, complement levels, man 6921.
  infection, complement role immunity, animal models 6919.
  infection, effects on, biosynthesis, plasma membrane, liver, rats 2386.
  infection, immune response, pneumonia, bronchitis, man 599
  infection, immune response, tissues pathology 6918.
  infection, man, epidemiology, vaccines treatment 7980.
  infection, man, incidence, hospitals, case surveys 9255.
  infection, man, meningitis, moxalactam treatment 9168.
  infection, man, pneumonia, epidemiology 11706.
  infection, man, pneumonia, immunization, antibody response, association paraproteinemia 8949.
  infection, man, reviews 11981.
  infection, man, spleen, blood flow relationship clearance 13319.
  infection, mice, solid tumors effects on disease resistance 11569.
  infection, netilmicin treatment, man 10617
  infection, pathology, vaccines, man, reviews 1017.
  infection, rats, susceptibility, hypersplenism 11955.
  infection, spleen role defense mechanisms 6920.
  infection, treatment, antibiotic 6059-S, children 2320.
  infection, treatment, cefotiam, children 2248
  infection, treatment, cefotiam, children 2306.
  infection, vancomycin treatment, man, susceptibility, antibacterial activity 11413.
  infectious diseases, diagnosis, counter immunoelectrophoresis, latex agglutination, man 8908.
  +influenza virus, vaccination, side effects, man 614.
  intracellular killing, leukocytes (polymorphonuclear), role serum factors, electron microscopy 3224.
  isolation methodology, association, antibiotics, respiratory tract secretions, man 10860
  isolation, sputum man 4356
  Klebsiella, polysaccharides, cross-reactivity, immune response, immunodiffusion, mice, vaccines 3184
  β-lactam antibiotics antibiotic resistance, mechanisms 6828.
  meningitis, antibiotic resistance, penicillin, treatment, man 2135
  meningitis, association, spinal cord, infarction, case reports, children 882.
  meningitis, association, spleen surgery, man, case reports 2122.
  meningitis, clinical aspects, man, case reports 11839
  meningitis, creatine kinase levels, cerebrospinal fluid, plasma, man 2120.
  meningitis, dexamethasone treatment, children 10425
  meningitis, diagnosis, Gram stain, man 3409.
  meningitis, diagnosis, latex agglutination, cerebrospinal fluid, man 11838.
  meningitis, diagnosis, latex agglutination, counter immunoelectrophoresis, man 903
  meningitis, diagnosis, treatment, man 9171
  meningitis, epidemiology, prophylaxis, treatment, man 2117
  meningitis, etiology, infants, reviews 2131
  meningitis, latex agglutination, 2110
  meningitis, man 13222
  meningitis, penicillin G treatment, rabbits 13209
  meningitis, treatment, β-lactam antibiotics, animal models 7073

Streptococcus pneumoniae, (continued)
meningitis, treatment, cefoperazone, comparison, penicillins, gentamicin, animal models 11847
meningitis, treatment, man 2114
microflora, maxillary sinus, man 673
moxalactam± penicillins, antibacterial activity 5922
mutants, tet gene, characterization 4096
Norflaxacin, antibacterial activity, comparison, chemotherapeutics, oral administration 9982
nose carriers, man, Papua New Guinea 11945
nose isolation, association, otitis media, man 7971
opsonization, serum proteins, intracellular killing, leukocytes (polymorphonuclear) 3215
otitis, immunity, antibiotics effects on recurrent infection, animal models 787.
otitis media, animal models 6182
otitis media, association, effusion, etiology, children 11745
otitis media, children 738
otitis media, etiology, methodology, Gram stain, counter immunoelectrophoresis, man 775.
otitis media, pathology, prophylaxis, role, vaccination, antibody response, chinchillas 6999
pericarditis, diagnosis, clinical aspects, infants, man 8065
phage Dp-1 receptors, association, choline 12304
phages, characterization, interaction 6728
plasmids DNA, cloning 5017
pneumolysin, deficient mutant, isolation, hemolysis, characterization 8706.
pneumolysin, effects on, leukocytes (polymorphonuclear), platelets, man 482
pneumonia, acetaminophen treatment, man 10588
pneumonia, amoxicillin treatment, man 11739
pneumonia, aspiration, geriatrics 758
pneumonia, cefoperazone treatment, man 10347
pneumonia, complications, measles, man 3330
pneumonia, dogs, plasma levels, effects on respiration 9095
pneumonia, Gram stain diagnosis, treatment, man 9125
pneumonia, lung levels, opsonins, complement, rats 6927
pneumonia, man, case reports 5285
pneumonia, nosocomial infection, diagnosis, clinical aspects, epidemiology, geriatrics, man 2012
pneumonia, treatment, cefamandole, man 801.
pneumonia, treatment, cefonicid, cefamandole, man 7001
pneumonia, treatment, ceforanide, man 3311.
pneumonia, treatment, ceforanide, procaine penicillin, man 782.
pneumonia, treatment, cefotaxime, man 7002
pneumonia, treatment, pathology, vaccination, man, reviews 9093
polysaccharides antigens, immune response, animal models 6912
polysaccharides antigens, immunoglobulin G immunization (passive), mice 6931.
polysaccharides, C-reactive protein, complement, induction, precipitation 11576
polysaccharides, characterization, antigenicity, vaccines 642.
polysaccharides, foliar applications, inhibition, sugarcane mosaic virus, Sorghum bicolor 4077
polysaccharides, galactose, structure-activity relationships 6670
polysaccharides, phagocytosis, opsonization, vaccination, polysaccharides 3196
polysaccharides, vaccination, antibody response 6933.
polysaccharides vaccination, antibody response, association, diabetes mellitus, children 9055
polysaccharides, vaccination, immunity, maternal transfer, man, mice 6932
polysaccharides, vaccines, conferences 1250.
polysaccharides, vaccines, immunogenicity, man 11639.
purpura, spleen accessory cells, man 2220
replication, staphylococcus, plasmids, plasmid pSA5700, erythromycin, antibiotic resistance 8739
respiratory tract infection, bacampicillin, amoxicillin, man 13121
respiratory tract infection, cefoperazone treatment, man 10349
respiratory tract infection, cefotaxime treatment, man 6176.
ribosomes, ribosomal proteins, antigenicity 6117
role, biology, medical importance, historical accounts 7347
septicemia, association, spleen atrophy, ulcerative colitis, man 11884
septicemia, mortality, diagnosis, incidence, vaccination, case reports, man 9305.
septicemia, penicillin treatment, steroids effects on, association, splenectomy, animal models 10615
serotypes, distribution, man, Italy 1318
serotypes incidence, diseases, man, hospitals, USA, Wisconsin 7157.
serotypes, incidence, man, Canada 1014.
sinusitis, diagnosis, man 13133
sputum isolation, pneumonia, bronchitis, man 763.
strains, antibiotic resistance, serotyping 9999
structure capsules polysaccharides 5798.
transformation, plasmids DNA, role nucleotide sequence homology 6739.
vaccination, adolescents, reviews 611.
vaccination, antibody response, Hodgkin's disease, children 645.
vaccination, antibody response, Hodgkin's disease, head and neck carcinoma, 658.
vaccination, antibody response, Hodgkin's disease, man 650.
vaccination, antibody response, infants, man 641
vaccination, antibody response, lung diseases, man 631.
vaccination, antibody response, man 654.
vaccination, antibody response, man 655
vaccination, antibody response, measurement, man 638
vaccination, antibody response, otitis media, children 649
vaccination, antibody response, sickle cell disease, man 657.
vaccination, association, splenectomy, children 6136.
vaccination, children, Papua New Guinea 616.
vaccination, efficacy mathematical models, man 11642.
vaccination, endocarditis prophylaxis, animal models, in vivo, in vitro 618.
vaccination, geriatrics, institutions 644.
vaccination, immune response, association, kidney diseases, man 5256
vaccination, immune response, kidney transplantation, man 6133.
vaccination, immunocompromised hosts, kidney transplantation, effects on immune response (humoral), man 627.
vaccination, immunoglobulin A, immunoglobulin G, serum levels, man 10246.
vaccination, infants, man 639.
vaccination, man 630.
vaccination, man, case reports 9057.
vaccination, man, cost-benefit analysis 617.
vaccination, man, reviews, USA 615.
vaccination, otitis media, children 647.
vaccination, otitis media, infants, man 648

Streptococcus pneumoniae, (continued)
vaccination, side effects, man 10253.
vaccination, use, man, reviews 5258.
vaccines, antibody response, man, immunocompromised hosts, man 11640.
vaccines, characterization 13062
vaccines, development, reviews 5251.
vaccines, vaccination, antibody response, geriatrics, institutions 643.
vaccines, vaccination, antibody response, man, reviews 640.

Streptococcus pyogenes,
adherence, cell membranes, pharynx epithelium cells, antibiotics effects on, in vitro 5051
agglutinins, role, sedimentation, reviews 59.
α-aminoisobutyric acid, L form, transport 5612.
antibacterial activity, antibiotic DL 473, in vitro, in vivo 3036
antibacterial activity, antibiotic DL473, rifampicin, in vivo, in vitro 4188.
antibacterial activity, cefadroxil 3015.
antibacterial activity, cefotiam 1721
antibacterial activity, N-methylnitrone, nitrovinyl, derivatives, structure-activity relationships 8839.
antibiotic 6059-S, antibacterial activity, treatment, infection 1720.
antimicrobial activity, 1-aroyl-4H(R)-thiosemicarbazides, 5-pheny-4H(R)-1,2,4-triazolin-3-thiones, hydrazinoaroylthiazoles 8838.
binding proteins, isolation, association, heart, kidney 11111.
cellulitis, etiology, man 11674.
endotoxins, exotoxin A, effects on rabbits rats, association, pregnancy 10106
erysipelas, association, bursitis, case reports, man 6944.
erysipelas, treatment, vaccination, pigs 4329.
exotoxins, enzyme-linked immunosorbent assay, biosynthesis, regulation 461.
experimental infection, mezlocillin treatment, mice 13261.
fibronectin, regulation, binding, leukocytes 9016.
L form production, antitumor activity 4729.
glycoprotein biosynthesis inhibitors, polysaccharides bioaccumulation 9704.
hyaluronidase, activity, association, phages, characterization 5855.
infection, man, haptoglobin types, effects on 1897.
infection, phage T12, association exotoxins biosynthesis 7684
infection, pharynx, mediastinum, pleural cavity, man, case reports 992.
infection, treatment, cefotiam, children 2248.
leukocytes (polymorphonuclear) phagocytosis, role, antibiotics 10222.
lipoteichoic acid binding, protein M, cell walls 6672.
lipoteichoic acid, glycolipids components, cytotoxicity, heart cells, man 12696.
mastitis, cattle, control programs 7259.
mitogens, purification, characterization 11100.
Norflaxacin, antibacterial activity, comparison, chemotherapeutics, oral administration 9982.
otitis media isolates, characterization, antibiotic sensitivity testing 2006.
otorhinolaryngeal infection, treatment, clindamycin, man 2019.
pneumonia, complications, measles, man 3330.
respiratory tract bacteria, antibacterial activity, β-lactam antibiotics, erythromycin, man 805.
respiratory tract infection, diagnosis, man 9109.
streptolysin S genes determinants transduction 11279.
wound infection, association, carcasses bone, occupational exposure, abattoirs, man 4358.

infection, throat, respiratory tract, man, case surveys 7978.

Streptococcus raffinolactis,
plasmids, characterization 1670

Streptococcus salivarias,
cariogenicity, gnotobiotics, rats 4376.

Streptococcus salivarius,
bacteriocins, isolation, charcterization, antibacterial activity 2979
cell walls, proteins, antigens, purification, function, adherence, characterization 10167.
dental plaque formation, sucrose, effects on 731.
enzymes, Streptococcus mutans, Streptococcus sanguis, glucose, phosphorylation, comparison 5779
R form, S form, extracellular polysaccharides characterzation 4948.
inhibition, Candida albicans, oral microflora, mice, in vitro 1051.
inorganic pyrophosphatase, purification, characterization 9753.
oral microflora, dental caries, nursing bottles, infants, man 13096.
peroxidase, thiocyanic acid, effects on hydrogen peroxide antibacterial activity 11206

Streptococcus sanguis,
acid production, sodium, potassium, effects on 5812.
attachment, surfaces, measurement, continuous culture 3833.
bacteriocins, transformation, relationship 5900
cell adhesion, hydroxyapatite 8398.
cell aggregation, cell adhesion, saliva role 8399.
cell surface, proteins, purification, characterization, role, adherence, saliva, coatings, surfaces 2617.
chemostats, environmental effects, adherence, hydroxyapatite 5634.
dental plaque formation, sucrose, effects on 731.
detection, Macaca fascicularis dental plaque, use, fluorescent antibody test 12042.
DNA, U.V. radiation induction damage 12513.
endocarditis, altitude induction, animal models 7219.
endocarditis, treatment, benzylpenicillin, fosfomycin, cefoxitin, rabbits 330.
enzymes, Streptococcus mutans, Streptococcus salivarius, glucose, phosphorylation, comparison 5779.
etiology, dental caries, man, Greenland 723.
genes transfer, sorbitol fermentation 1629.
glucosyltransferase, photoinactivation 180.
immunoglobulin A proteinase characterization, role, infection, man 9728.
oral cavity isolates, fluoride, binding, bioaccumulation 1351.
oral microflora, dental caries, nursing bottles, infants, man 13096.
oral microflora, inhibition, fluoride, role, uptake, pH effects 2632.
peroxidase, thiocyanic acid, effects on hydrogen peroxide antibacterial activity 11206.
sacculi, isolation, characterization 12732.
saliva, antibacterial activity, growth inhibition 8854.
saliva, dental plaque, chlorhexidine effects on, man 728.
tobacco effects on, in vitro, association periodontal diseases 7857.
ultrasound effects on 715.

Streptococcus suis,
infection, occupational exposure, abattoirs, man, case reports 6266.
infection, pigs, clinical aspects, pathology, reviews 6369.

Streptococcus suis, (continued)
meningitis, detection, fluorescent antibody test, man 8914
Streptococcus thermophilus,
antibiotic sensitivity testing, aminoglycoside antibiotics, β-lactam antibiotics, tetracyclines 4189.
antimicrobial activity, pyridines 5970.
β-D-galactosidase, purification, characterization 4000
metabolism, lactose, glucose, galactose, growth 12468
6-phosphofructokinase, purification, characterization 4004
6-phosphofructokinase, purification, characterization 4928
yogurt, enumeration, use, agar media (culture) 1275.
Streptococcus uberis,
contamination, cattle 5479
Streptococcus viridans,
cefmetazole, antibacterial activity 8775.
drug resistance, penicillin, infection, man 7872
endocarditis, antibiotics prophylaxis, dental manipulation, man 11888.
endocarditis, diagnosis, clinical aspects, senile, geriatrics, man 2301
endocarditis, echocardiography diagnosis, surgery treatment, man 1001.
endocarditis, prophylaxis, antbiotics, children 6304.
endocarditis, prophylaxis, treatment, incidence, man 7218.
endocarditis, relationship, dental diseases, heart diseases, man, case reports 2257.
eye diseases, drug sensitivity testing, case surveys 7111
infection, children, endocarditis, characterization 10569
infection, man, endocarditis, penicillin treatment 10572.
isolation, Kaposi's sarcoma, role, pathogenesis, case reports, man 7174
meningitis, children, case reports 9091.
otorhinolaryngeal infection, treatment, clindamycin, man 2019.
respiratory tract microflora, bronchitis, man, cigarette smoking effects on 6143
speciation, association, physiology 12280.
Streptococcus zooepidemicus,
animal isolates, horses, isoniazid antibacterial activity 8845.
bronchopneumonia, pleuritis, treatment, horses, case reports 4552.
clinical isolates, abortion, horses 4547.
genital tract infection, susceptibility, role sex hormones, horses 10680
infection, chickens, disease transmission, cow's milk, mastitis, cattle 4574
septicemia, dogs, case reports 2336.
Streptogramin,
antibiotic resistance, determinants, gram-positive cocci, anaerobic bacteria, genes transfer 11433.
Streptogramins,
Escherichia coli antibiotic resistance, plasmid pKH80 relationship 12841.
Streptolysin O,
Streptococcus, erythrocytes lysis 11507
Streptococcus, mechanisms membrane damage, fibroblasts, man 11506.
Streptolysin S,
genes determinants transduction, Streptococcus pyogenes 11279.
Streptomyces,
D-alanyl-D-alanine proteinase, amino acid sequence 4914
antagonists, Rhizoctonia bataticola root rot, biological control 6424.
antibiotic antagonism, Rhizotonia solani, Rhytophthora megasperma, pathogenicity, soil, agar diffusion test 3675
antibiotic AS-40 biosynthesis, role, amino acids, glycolysis, tricarboxylic acid cycle 8752
antibiotic P-1894B, biosynthesis, inhibition, prolyl hydroxylase 2988.
antibiotic resistance, β-lactam antibiotics, role, penicillinase, penicillin-binding protein 3067
antibiotic resistance, nosiheptide, antibacterial activity protein biosynthesis 5945
antibiotic resistance, streptomycin, role, streptomycin 6-kinase, membrane permeability 2717
antibiotics biosynthesis, acridine dyes effects on 11363
α-L-arabinofuranosidase, purification, characterization 4046
avermectins, anthelminthic agents, insecticides, acaracides, toxicity testing 6006
biosynthesis, diketopiperazines, effects on, SV40 transformed cells growth 4158
biosynthesis, xanthomycin, antitumor activity 4156
boromycin biosynthesis, characterization 5895
carbohydrates binding, lectins 4837
cell walls, antibiotics biosynthesis, detection methodology, antibacterial activity 9980
chitin biodegradation, Abies alba litter 3729.
chitin biodegradation, soils (acid), pH effects on 12369
closed-circular DNA, incidence, screening 8489
cytovaricin, isolation, characterization 9917
deferriferroxamines B, deferriferroxamines E, production, deferroferroverdin association 7529
DNA plasmids, proteins association 6736
effects on, rhizosphere soil phosphorus levels, Oryza sativa phosphorus uptake 13498
glucose isomerase biosynthesis strains, taxonomy 51.
humic acids biodegradation, association acid production 12384
identification, mycelia color 7396
β-lactam antibiotics biosynthesis, screening, reviews 8746.
lectins, erythrocytes receptors, hemagglutination inhibition assays 5201.
lipids biodegradation 12364
muramyl-pentapeptide carboxypeptidase, binding monobactams 11150.
mushroom worker's lung, etiology, immunoprecipitation, relationship, composts, dust 1973
mycelia, chitin, chelating agents, metals 7623
penicillin-binding protein, correlation β-lactam antibiotics production 6600
phage ΦC31, use cloning 11261
phages, soil, pH effects 1656
phosphate solubilization 12387
plasmid pSLA1, plasmid PSLA2, 5'-terminus, association, proteins 12849
plasmids, cloning, genetic engineering 11315
plasmids, cloning use genetic engineering 11314
plasmids isolation, restriction endonuclease mapping 7702
poly-(L-lysine), inactivation, phages 11297
production, aminoglycoside antibiotics 311
protoplasts, recombination, growth conditions 12798
pyrrolomycin A, pyrrolomycin B, biosynthesis, isolation, characterization 2970
pyrrolomycin B, biosynthesis, structure 2971
resistance mechanisms, β-lactam antibiotics, reviews 5918
rhizosphere soil 13495

Streptomyces, (continued)
role, odors production, environmental effects, aquatic environment 12183.
sediments, fishponds 8224.
soil microorganisms, lysis, yeasts 12153.
soil, solid wastes biodegradation, nitrogen, organic compounds 8424.
subtilisin inhibitors, conformational analysis, N.M.R. 3919.
subtilisin inhibitors, microbial serine proteinases, complex, denaturation, comparison 2734.
teleocidin, tumorigenesis, association, epidermis growth factors, hepatoma cells, rats 9818.
tetronomycin biosynthesis, structure, antibacterial activity, gram-positive bacteria 7739
thermophilic bacteria, alkaline proteinase, insulin cleavage 195.
wild type, mutants, growth, anthracyclines biosynthesis 7493.
Streptomyces adephospholyticus,
nucleoside 5'-diphosphate-3'-diphosphates, nucleoside 5'-triphosphate-3'-diphosphates, purines, pyrimidines, protein biosynthesis, regulation 5718.
Streptomyces afghaniensis,
cellulose, xylanase, characterization 210.
Streptomyces albogriseolus,
glucose isomerase, isolation, mycelia, methodology 12620.
subtilisin inhibitor, tryptophan residues, N.M.R. 7574.
Streptomyces albulus,
lysine polymers biosynthesis 3925.
lysine polymers, characterization 3924.
Streptomyces albus,
allergic alveolitis, man 5307.
purification, characterization, endodeoxyribonuclease salI 11139.
Streptomyces ambofaciens,
circular DNA, isolation methodology, characterization 7501.
closed circular DNA, characterization 11064.
macrolide antibiotics conversion 12872
spiramycin biosynthesis, replicons, plasmid pSA1 regulation 11330.
spiramycin production, genetic control, role, plasmid pSA1 7755.
Streptomyces anandii,
gilvocarcins, isolation, structure, antitumor activity, antimicrobial activity 9983
Streptomyces antibioticus,
actinomycin, biosynthesis, antibiotic resistance, role, plasmids 5896.
phenoxazinone synthase isoenzymes, purification, characterization 4030.
spores, germination, uptake, sugars, induction 2627.
sporulation septum, chemical composition 1403.
Streptomyces arenae,
antitumor agents biosynthesis, screening 11347.
gilrocarcin, isolation, characterization 8652.
Streptomyces argenteolus,
asparenomycins characterization 7750.
biosynthesis, asparenomycin A 5040.
biosynthesis asparenomycins 7749.
Streptomyces atroolivaceous,
scab, Solanum tuberosum 4603.
Streptomyces, association, fungi, Solanum tuberosum 4603.
Streptomyces aureofaciens,
biosynthesis, vasodilators, isolation 7637.
biosynthesis, vasodilators, structure 7638.
chorismate mutase substrate specificity 9751.
deoxyribonuclease, characterization, purification 4032.
DNA biosynthesis, protein biosynthesis, tetracycline effects on 7421.
lumisantonin biosynthesis 6685.
plasmids DNA, column chromatography isolation, characterization 5892.
ribonuclease, binding, ribosomes, purification, characterization 4017.
UDP glucosyltransferase, purification, characterization 7619.
verotetrone production, characterization 8653.
Streptomyces azureus,
lysogeny, classification, phage SAt2 270.
micrococcin, mechanisms protein biosynthesis inhibition, binding rRNA 23S ribosomal protein L11 complex 4157
RNA methyltransferase, purification, characterization, role, antibiotic resistance, thiostrepton 3052
Streptomyces badius,
biodegradation, lignin, cellulose, nutrient sources effects on 103.
lignin biodegradation, association, carbon cycle, reviews 12361.
Streptomyces bikiniensis,
antibiotic resistance, streptomycin, genetic control 5874.
transformation, dehydrogriseofulvin, stereoselectivity 4758.
Streptomyces bottropensis,
structure trioxacarcins, inhibition DNA biosynthesis, Bacillus subtilis 11339.
trioxacarcins, biosynthesis, antibacterial activity, antitumor activity 9915.
Streptomyces cacaoi,
penicillinase, enzyme kinetics, inhibitors, antibiotic CP-45,899, cephamycins, izumenolide 2795
penicillinase, inhibition, clavulanic acid, antibiotic PS-5, enzyme kinetics 2780.
Streptomyces caespitosus,
mutants, mitomycin C nonproducer cells, characterization 8725.
Streptomyces californicus,
transformation, dehydrogriseofulvin, stereoselectivity 4758.
Streptomyces capillispira sp.nov.,
carboxylesterase, purification, characterization, cephalosporins modification 7561.
Streptomyces cattleya,
glutamine synthetase inactivation, association ammonia shock 12687.
Streptomyces cellulosae,
endo-1,3-β-D-glucanase, purification, characterization 12576.
Streptomyces cervinus sp.nov.,
cervinomycin A biosynthesis, antibacterial activity 11346.
Streptomyces chartreusis,
glucose incorporation, association, antibiotic A23187 biosynthesis 9911.
Streptomyces chrysomallus var.carotenoides,
pyruvate dehydrogenase, activity 11207.
Streptomyces cinereocrocatus,
transformation, dehydrogriseofulvin, stereoselectivity 4758.
Streptomyces cinereoruber,
transformation, dehydrogriseofulvin, stereoselectivity 4758.

Streptomyces cinerochromogenes,
scab. Solanum tuberosum 4603
Streptomyces cinnamomeus,
2-ethyl-5-(3-indolyl)oxazole, structure 7636
kirrothricin, structure 2974
phospholipase D chromatography 12633
Streptomyces cinnamonensis,
2-ethyl-5-(3-indolyl)oxazole, structure 11247
Streptomyces cinnamonensis subsp.urethanofaciens,
antibiotic X-14667A, antibiotic X-14667B, structure, relationship, monesin 2983
biosynthesis, antibiotic X-14667A, antibiotic X-14667B, antibacterial activity 3042
Streptomyces clavuligerus,
δ-(L-α-aminoadipyl)-L-cysteinyl-D-valine conversion, penicillins 11356
clavulanic acid, biosynthesis pathways 7754.
mutants, U.V. radiation, sensitivity, mutagenesis, caffeine 9820
penicillins production, relationship, δ-(L-α-aminoadipyl)-L-cysteinyl-D-valine cyclization 7748
trypsin like enzymes, characterization 5760
Streptomyces coelicolor,
agarase biosynthesis, dag gene, inactivation, plasmid SCPI, integration, gene mapping 2851
L-alanine production 8529
plasmid SCP2, variants, genetic analysis, Streptomyces parvullus, Streptomyces lividans 6760
temperature-sensitive mutant, isolation, characterization 1583.
Streptomyces coeruleorubidus,
mutants, biosynthesis, anthracyclines analogs, structure 2977
mutants, conversion, anthracyclinones 299
Streptomyces collinus subsp.albescens,
toromycin, biosynthesis, chemical composition 290.
Streptomyces collinus subsp.collimus,
biosynthesis, ansatrienins, antifungal activity 9910.
Streptomyces corchorusii,
scab. Solanum tuberosum 4603
Streptomyces cremeus,
bleomycin mutagenesis 7651
Streptomyces cremeus subsp.auratilis,
biosynthesis antibiotic PS-8, antibacterial activity 11359
Streptomyces cyanogenus,
urate oxidase, purification, characterization 2804
Streptomyces dayalbaghensis sp.nov.,
antagonism, Colletotrichum gloeosporioides, Colletotrichum falcatum, in vitro 7309
Streptomyces diastaticus subsp.amylostaticus,
β-amylase inhibitors biosynthesis, isolation, structure-activity relationships 12595
Streptomyces diastatochromogenes,
scab, Solanum tuberosum 4603
Streptomyces durhamensis,
transformation, dehydrogriseofulvin, stereoselectivity 4758.
Streptomyces echinatus,
quinoxalines, biosynthesis, structure 7756
Streptomyces echinosporus,
Echinosporin production, isolation, characterization 7725.
Streptomyces endus subsp.aureus,
biosynthesis, antitumor antibiotics, senacarcin A, isolation, characterization 11344
Streptomyces erythraeus,
biosynthesis, erythromycin F 11365
erythromycin antibiotic resistance, association adenine dimethylation 12935
erythromycin biosynthesis intermediates activity 9909.
Streptomyces erythreus,
erythromycin biosynthesis, antibiotic resistance, role membranes ribosomes, protein biosynthesis 7840
erythromycin F biosynthesis 7742.
lysozyme, tertiary structure, X-ray diffraction 3975.
optimum erythromycin biosynthesis, nutrient requirements, mathematical models 8748.
plasmids characterization, association, erythromycin production 7696.
Streptomyces fimbriatus,
transformation, dehydrogriseofulvin, stereoselectivity 4758
Streptomyces flavus,
chernozem microflora, USSR 13471.
Streptomyces fradiae,
antagonism, Streptomyces lanatus, population dynamics, incidence, soil 12147.
mutants, fermentation, 5-O-mycarosyltylactone, tylosin, characterization 7639.
mutants, S-adenosyl-L-methionine:macrocin O-methyltransferase, tylosin biosynthesis, characterization, assays 2755.
mutants, tylosin biosynthesis, characterization 2978.
neomycin, biosynthesis, role, enzymes 3054.
plasmid pUC1, plasmid pUC13, identification, phage ΦSF1, characterization 6747.
plasmids, neomycin biosynthesis, analysis, ethidium bromide, acridine orange 11317.
protein biosynthesis, neomycin biosynthesis effects on 1466.
proteinases, immobilized cells, batch culture 2779.
trypsin, kinetics p-amidinophenyl alkonates hydrolysis, mechanisms 8575.
tylosin biosynthesis, batch culture 302.
tylosin biosynthesis, pathway characterization 5899.
tylosin biosynthesis, plasmids genes, regulation 11340.
tylosin biosynthesis, role, macrocin methyltransferase 8753.
tylosin, 5-0-mycarosyltylactone structure, X-ray crystallography 11355.
Streptomyces galilaeus,
aclacinomycin A, biosynthesis pathway 2963.
anthracycline biosynthesis, carbon sources, aerobic conditions, effects on 8749.
biosynthesis, aklavinones, aclacinomycin 2992.
biosynthesis, auramycins, sulfurmycins, structure 7743.
biosynthesis, 1-hydroxyauramycin, 1-hydroxysulfamycin, structure, N.M.R., antibacterial activity 12914.
2-hydroxyaclacinomycin A, antibacterial agents, characterization 2957.
η-isorhodomycinone, incidence 7492.
mutants, aclacinomycin A derivatives, biosynthesis, structure 4146.
Streptomyces gilvotanareus,
gilvocarcin M, structure 298.
Streptomyces glaucescens,
catechol oxidase, secretion, molecular weight, activity, genetic analysis 8599
DNA genomes damage, restriction endonuclease mapping 7496.
glaucescin, biosynthesis, inheritance 250
Streptomyces granaticolor,
ribosomal proteins, purification, physicochemical properties, comparison Escherichia coli 4819
Streptomyces griseofulvis,
streptovirudins, comparison, chemical properties, biological properties 6774.
Streptomyces griseofulvus,
xylose isomerase, purification, characterization 3994.
Streptomyces griseoplanus,
isolation, structure, naphthocyanidine, antibiotic SF-1739, antitumor activity 11364.
Streptomyces griseoruber,
rhodomycin biosynthesis 8750.
Streptomyces griseosporeus,
biosynthesis, γ-chloronorvaline, structure, antibacterial activity, Pseudomonas aeruginosa 5038.
pigs pancreas α-amylase inhibitors, isolation, characterization 3804
Streptomyces griseus,
antibiotic resistance, streptomycin, genetic control 5874.
4,5-dihydroxydecanoic acid-4-lactone, isolation, regulators differentiation 11251.
leukemomycin, biosynthesis, regulation, NAD(P)$^+$ nucleosidase 2960.
leurosine conversion, 10'-hydroxyleurosine 8514.
localization, chloramphenicol acetyltransferase, spores, activity 11374.
mutants, regulation, sporulation, biosynthesis, streptomycin 1697.
mutants, streptomycin production blocking, role, factor A 7753.
phosphate effects on cyclic AMP levels, association, streptomycin biosynthesis 1580.
phospholipid turnover 1570
phospholipids, fatty acid composition, relationship, growth 4080.
plasmids, genes, role streptomycin biosynthesis 12856.
proteinase, tryptophan methyl ester hydrolysis, kinetics, stereoselectivity 4882.
recombination mutants, cephamycins biosynthesis, screening 8769.
regulation, antibiotics differentiation, 4,5-dihydroxydecanoic acid-4-lactone 7733.
ribosomal protein L7/L12, amino acid sequence 7524.
streptomycin biosynthesis, association peptidoglycans biosynthesis, D-glucosamine interaction 8745.
streptomycin. biosynthesis, role, enzymes 3054.
transformation, dehydrogriseofulvin, stereoselectivity 4758.
trypsin, kinetics p-amidinophenyl alkonates hydrolysis, mechanisms 8575.
trypsin purification, trypsin inhibitors 4007.
Streptomyces hyalurolyticus,
hyaluronidase, purification 8576.
Streptomyces hydrogenans,
20β-hydroxysteroid dehydrogenase, interaction, steroids 181.
20β-hydroxysteroid dehydrogenase, interaction, steroids 182.
20β-hydroxysteroid dehydrogenase, NAD$^+$ binding 7604
Streptomyces hygroscopicus,
antibiotic TM-531B, antibiotic TM-531C, biosynthesis, structure, N.M.R. 2972.
biosynthesis, maridomycin, phosphate, dissolved oxygen, effects on 5039.
biosynthesis, turimycin, platenolide, radioactive labelling 4961.
enzymes modification hygromycin B, association, antibiotic resistance 7719.
globomycin, biosynthesis, isolation, characterization 4155.
hygromycin B biosynthesis, antibiotic resistance 11435.
phage SH5, DNA, restriction-modification 1654.
production, cadeguomycin 7712.
turimycin, biosynthesis, continuous culture, genetic analysis 12875
Streptomyces indicus,
mutagenesis, nitrosoguanidine derivatives 7661.
Streptomyces intermedius,
animal isolates, Columba, phage typing 10898.
Streptomyces ipomoeae,
effects on Ipomoea batatas phytoalexins biosynthesis 8143.
Streptomyces kanamyceticus,
kanamycin, biosynthesis, role, enzymes 3054.
Streptomyces kitasatoensis,
cultural characteristics, association, leucomycin biosynthesis, magnesium phosphate effects on 4164
Streptomyces lanatus,
Streptomyces fradiae, antagonism, population dynamics, incidence, soil 12147.
Streptomyces lavendulae,
lavendamycin production, isolation, characterization 7724.
phage Bα, isolation, characterization 1648
protoplasts fusion, clones isolation 7418.
variants, association, cholesterol oxidase activity 11220.
Streptomyces levoris,
colonial characteristics, biorhythms, air transport 3745.
endo-N-acetylglucoseaminidase, biosynthesis, physicochemical properties 12657.
Streptomyces lividans,
plasmid SCP2, variants, Streptomyces coelicolor, Streptomyces parvullus 6760.
Streptomyces lydicus,
scab, Solanum tuberosum 4603.
Streptomyces macromomyceticus,
purification, characterization, auromomycin, macromomycin A, macromomycin D 11342.
Streptomyces malachiticus,
scab, Solanum tuberosum 4603.
Streptomyces matensis subsp.vineus,
biosynthesis, vineomycin A, vineomycin B, structure 11366.
vineomycin, structure, antibacterial agents, antitumor agents 2958.
vineomycins biosynthesis 7758.
Streptomyces mediterranei,
rifampicin biosynthesis, characterization, bacteria infection, treatment, man 11368
Streptomyces melanogenes,
biosynthesis, 1-hydroxyauramycin, 1-hydroxysulfamycin, structure, N.M.R., antibacterial activity 12914.
Streptomyces myxogenes sp.nov.,
biosynthesis, oligostatin, antibacterial activity 4149
Streptomyces narbonensis,
spores, mitomycin C, U.V. radiation, effects on 10939.

Streptomyces nitrosporeus,
  virantmycin, isolation 296.
  Virantmycin isolation, characterization, antiviral activity 2993.
Streptomyces niveus,
  bioaccumulation, uranium, thorium, industrial wastes 7402.
Streptomyces oganonensis,
  oganomycins, biosynthesis, structure 2976
Streptomyces olivaceus,
  antagonism, Alternaria alternata, biological control, leaf blotch, Hordeum vulgare 5507.
  antibiotic DC-14, antitumor antibiotics, biosynthesis, isolation 7729.
  biosynthesis, imacidin C, amino acid sequence 4151
  morphology, growth, association, lipid biosynthesis 10945.
Streptomyces olivovariabilis sp.nov.,
  variamycin B production, isolation, characterization 7714
Streptomyces organonensis,
  organomycins, isolation, characterization, antibacterial activity 289.
Streptomyces pactum,
  biosynthesis, pactamycin, N.M.R., structure 9921.
Streptomyces parvullus,
  actinomycin D biosynthesis regulation, association, tryptophan 2,3-dioxygenase 9920
  plasmid SCP2, variants, Streptomyces coelicolor, Streptomyces lividans 6760.
Streptomyces paulus,
  paulomycins production, isolation, characterization 7726.
Streptomyces peucetius,
  daunorubicin, doxorubicin, antitumor agents, toxicity, methodology, biosynthesis, conversion 6683
Streptomyces peucetius subsp.caesius,
  mutants, daunomycin, carminomycin I, fendomycin A, conversion, adriamycin 2969.
Streptomyces peuletius var.aureus,
  biosynthesis 4-O-dimethyl-11-deoxydoxorubicin analogs, isolation, antibacterial activity, antitumor activity 7744.
Streptomyces plicatus,
  endoglycosidase H, gene expression, Escherichia coli 8691.
Streptomyces pluracidomyceticus sp.nov.,
  pluracidomycins biosynthesis, structure 11370.
  pluracidomycins, structure 7735.
Streptomyces pluricolorescens,
  largomycin, biosynthesis, amino acid sequence, antibacterial activity 12912.
Streptomyces propurpuratus,
  +Bacillus, mixed culture, biosynthesis, pigments 1429.
  Bacillus, mixed culture, pigments production, neopurpuratin, characterization 6563.
Streptomyces puniceus,
  variants, antibiotic sensitivity testing, viomycin 8781.
Streptomyces purpurascens,
  α-L-arabinofuranosidase, purification, characterization 11200.
Streptomyces pyogenes,
  phages, isolation, methodology 4126.
Streptomyces refuineus,
  anthramycin, biosynthesis, N.M.R. 7632.
  biosynthesis, anthramycin, antibiotic resistance, membrane permeability 3053.
Streptomyces rimosus,
  amylase biosynthesis, soil isolates, characterization 12599.
  4-epi-cetocycline transformation 2-decarboxamido-2-acetyl-4-dedimethyl-9-methyltetracycline, antibacterial activity 7808
  mutants, oxytetracycline biosynthesis, gene mapping 2962.
  plasma membranes, transpeptidase, penicillin-binding protein 2583.
  production, oxytetracycline, nitrogen sources, role 2968.
  proteinase, biosynthesis, media, composition, mixed culture 11216.
  protoplasts, preparation, growth conditions, methodology 12224.
Streptomyces roseochromogenes,
  transformation, dehydrogriseofulvin, stereoselectivity 4758.
Streptomyces roseoflavus var.roseofungini,
  comparison, Nocardia, teichoic acid, structure 12698.
Streptomyces roseus,
  biosynthesis, leupeptin, role, protein turnover 5044
  leupeptin acid reductase, purification, characterization 4028.
  leupeptin acid reductase, purification, characterization 4940.
Streptomyces rubellomurius,
  3-(N-acetyl-N-hydroxyamino)propylphosphonic acid, 3-(N-acetyl-N-hydroxyamino)-2(R)-hydroxypropylphosphonic acid, structure 300.
Streptomyces rutgersensis,
  enzymes, isolation, characterization 2789.
Streptomyces scabies,
  scab, Solanum tuberosum 4607
  scab, Solanum tuberosum, control, ethionine 1147.
Streptomyces somaliensis,
  maduromycosis, diagnosis, man 3503.
Streptomyces subflavus,
  subsp. irumaensis, biosynthesis, irumamycin, characterization, antifungal activity 7711.
Streptomyces sulfonofaciens sp.nov.,
  isolation penicillinase inhibitors 11190.
  penicillinase inhibitors production, characterization 7722.
Streptomyces tendae,
  metabolites, nikkomycins, isolation, structure 293.
Streptomyces tenjimariensis,
  biosynthesis, istamycins, antibiotic resistance, role, ribosomes 3068.
Streptomyces thermotolerans,
  macrolide antibiotics conversion 12872
Streptomyces tokunonensis sp.nov.,
  asparenomycins characterization 7750.
  biosynthesis, asparenomycin A 5040.
  biosynthesis asparenomycins 7749.
Streptomyces venezuelae,
  catabolite repression, β-D-galactosidase, chloramphenicol, cyclic AMP, induction 7446.
  chloramphenicol biosynthesis, characterization 11419.
  α-D-glucosidase induction, nutrient requirements effects on 11130
  haloquinone, biosynthesis, isolation, mycelia, antibacterial activity, association, DNA biosynthesis 9918.
  haloquinone, structure, derivatives 9919.
  phage SV1, phage SV2, lysogeny, host specificity 12823
Streptomyces verdensis,
  antibiotic U-62162, isolation, characterization 7721.
Streptomyces verdensis sp.nov.,
  antibiotic U 62162 biosynthesis, antibacterial activity, Staphylococcus aureus 11348.
Streptomyces violaceoniger,
  niphithricin, elaiophylin, nigericin, biosynthesis, antifungal activity, antibacterial activity, structure 2985.
Streptomyces violaceoruber,
  fructokinase, biosynthesis, mRNA, cell-free system 5768.
Streptomyces violaceus,
  mixed culture, Streptomyces rimosus, proteinase biosynthesis, media composition 11216.
  violamycin BI, binding DNA, electrophoresis 1694.
Streptomyces violaceus-ruber,
  methylenomycin A biosynthesis, role, plasmid pSV1 12846.
Streptomyces viridans,
  4-hydroxy-3-nitrosobenzaldehyde, antibacterial activity 1696.
Streptomyces viridochromogenes,
  pigments, production, liquid culture 8480.
  sporulation, aerial mycelia formation, casein, phosphate regulation 6526.
Streptomyces xanthocidicus,
  biosynthesis, antrimycins, structure, mass spectroscopy 7757.
Streptomyces zelensis,
  antibiotic CC-1065, biosynthesis, characterization, antitumor activity 2990.
Streptomycin,
  ± ampicillin, ± rifampicin, treatment, pyelonephritis, Streptococcus faecalis, animal models 862
  antibacterial activity, Mycobacterium avium-intracellulare 7804.
  antibiotic resistance, Arthrobacter, Pseudomonas, rhizosphere, Bouteloua gracilis, roots, exudates, effects on 2444.
  antibiotic resistance, Bacillus subtilis mutants, ribosomal proteins 12925.
  antibiotic resistance, Enterobacteriaceae isolates, man, chickens, cattle 5110.
  antibiotic resistance, Escherichia coli, animal isolates 4195.
  antibiotic resistance, Escherichia coli clinical isolates, R factor rBP1 9886.
  antibiotic resistance, Escherichia coli, defective mutant, association, nutrient requirements, polyamines 2641.
  antibiotic resistance, Escherichia coli, incidence, chickens, pigs, British Isles 3063
  antibiotic resistance, Klebsiella clinical isolates, hospitals patients 9998.
  antibiotic resistance, Methylobacterium organophilum, role, transposon Tn5 8737.
  antibiotic resistance, Mycobacterium tuberculosis, clinical isolates, surveys, Algeria 3060.
  antibiotic resistance, plasmids, Pasteurella multocida, transfer, Escherichia coli 3050
  antibiotic resistance, R-factors, transfer, Escherichia coli, Salmonella 2932.
  antibiotic resistance, Rhizobium, enumeration, soil, rhizosphere, Vigna mungo 2472.
  antibiotic resistance Rhizobium trifolii, nodulation, Trifolium repens 2441.
  antibiotic resistance, Salmonella johannesburg, IncFI plasmid, incompatibility 9856.
  antibiotic resistance, Salmonella typhimurium clinical isolates 7816.
  antibiotic resistance, Salmonella typhimurium, plasmids 402.
  antibiotic resistance, Staphylococcus aureus 380.
  antibiotic resistance, Staphylococcus aureus, man 406.
  antibiotic resistance, Streptococcus agolactiae, Staphylococcus aureus, mastitis isolates, cattle 10019.
  antibiotic resistance, Streptococcus faecium, R factors 7838.
  antibiotic resistance, Streptomyces, role, streptomycin 6-kinase, membrane permeability 2717.
  antibiotic resistance, use, markers, competition, nodulation, Rhizobium leguminosarum 9458.
  antibiotic sensitivity testing, Moraxella bovis, antibiotic resistance 7842.
  antibiotic sensitivity testing, Mycobacterium, clinical isolates 8756.
  antibiotic sensitivity testing, Mycobacterium fortuitum 6787.
  antibiotic sensitivity testing, Pseudomonas aeruginosa, pyocin typing, aeruginocine 8785.
  antibiotic sensitivity testing, Salmonella, isolates 8759.
  antibiotic sensitivity testing, Shigella dysenteriae, Shigella flexneri, Shigella boydii 6825
  antibiotic sensitivity testing, Streptococcus group D clinical isolates 5905.
  biosynthesis, genes, role plasmids, Streptomyces griseus 12856.
  biosynthesis, sporulation, regulation, Streptomyces griseus, mutants 1697.
  biosynthesis, Streptomyces griseus, association peptidoglycans biosynthesis, D-glucosamine interaction 8745.
  Bordetella bronchiseptica drug resistance, association R factors, pigs juveniles 6850.
  dependent Escherichia coli vaccination effects on enterotoxemia, pigs 6929.
  drug resistance, Mycobacterium tuberculosis, clinical isolates 11469.
  drugs treatment, tuberculosis lung, reviews 6195.
  effects on dairy starters 6788.
  effects on Escherichia coli polyribosomes structure 317.
  effects on Escherichia coli virulence 8760
  effects on protein biosynthesis, polyamines modulation, auxotrophs, Escherichia coli 3910.
  Escherichia coli, Klebsiella, antibiotic resistance 384.
  Escherichia coli, resistance mutants, role, gene lrs, R factor R1 8807.
  inhibition, hypersensitivity, Glycine max, Pseudomonas syringae 5504.
  Mycoplasma, antibiotic resistance 3056.
  Mycoplasma, antibiotic resistance 3057.
  Neisseria gonorrhoeae, antibiotic sensitivity testing, Nigeria 1731.
  ± neomycin± oxyterracin± chloramphenicol, antibiotic resistance, Escherichia coli, Salmonella, intestinal microflora, animals 3074.
  +penicillin, prophylaxis, postoperative infection, thorax surgery, man 986.
  resistance, association, Pyrus communis fireblight 8806.
  resistance, Rhizobium leguminosarum, effects on Pisum sativum nodulation 9989.
  resistant mutant, Rhizobium, isolation, characterization 6820.
  +rifampicin+isoniazid, treatment, paratuberculosis, goats 8112.
  Salmonella, antibiotic resistance 9996.
  Salmonella typhi, Salmonella paratyphi, antibiotic resistance, agar dilution test 3044.
  Serratia marcescens, infection, antibiotic resistance, hospitals, neonates, man 3069.
  Staphylococcus aureus, antibiotic sensitivity testing 3107.
  Streptomyces griseus, antibiotic resistance, role, enzymes 3054.
  Streptomyces griseus, biosynthesis, association, cyclic AMP levels, phosphate

Streptomycin, (continued)
effects on 1580
Streptomyces griseus mutants, production blocking, role, factor A 7753
+tetracyclines, treatment, brucellosis, man 10479
treatment, contagious caprine pleuropneumonia, Mycoplasma mycoides subsp.mycoides, goats 7280
treatment, endocarditis, Streptococcus faecalis, experimental infection, rabbits 8097
treatment, streptotrichosis, livestock 2394
uptake, Escherichia coli respiratory function mutants, ubi F gene, role, characterization 5844
Streptomycin 6-kinase,
membrane permeability, role, antibiotic resistance, streptomycin, Streptomyces 2717
Streptomycins,
antibiotic synergism, penicillins, endocarditis, Streptococcus faecalis, experimental infection, rabbits 8098
Streptonigrin,
bactericidal activity, Escherichia coli, iron synergism 10042
Streptothricin,
antibiotic resistance, Escherichia coli, screening 3051
structure, biosynthesis, Streptoverticillium olivoreticuli 4162.
Streptotrichosis,
cattle, Dermatophilus congolensis antibodies, serum levels, detection, milk 1906.
Dermatophilus congolensis, association, strike, Lucilia cuprina, sheep 2350.
Dermatophilus congolensis, effects on reproduction, cattle 2367
Dermatophilus congolensis, treatment terramycin, cattle 7269.
incidence, treatment, streptomycin, livestock 2394.
Streptoverticillium,
taxonomy 9533
taxonomy 9534
Streptoverticillium cholesterolicum sp.nov.,
β-hydroxysteroid dehydrogenase, purification, characterization 7596.
Streptoverticillium cinamoneum,
1,5-benzodiazocine-2-nones, transformation, 2-(acylamino-R-propyionylamido)-benzophenones 4091
Streptoverticillium cinnamoneum,
cell walls, Staphylococcus aureus, infection, mice, 13390
Streptoverticillium kitasatoensis,
macrolide antibiotics conversion 12872
Streptoverticillium mobaraense,
purification, characterization, elongation factor Tu 12535
Streptoverticillium olivoreticuli,
biosynthesis, streptothricin, structure 4162.
Streptovirudins,
comparison, chemical properties, biological properties, Streptomyces griseofulvis 6774
Streptozyme test,
reagents, composition, detection, Streptococcus group A antibodies 4254.
Stretomyces erythreus,
ribonuclease, alkylation iodoacetate, iodoacetamide, effects on activity 3949.
Stretomyces spinoverrucosus sp.nov.,
characterization 9536
Strictures,
urethra, association, Neisseria gonorrhoeae, man, case reports, Nigeria 2161
Strike,
Lucilia cuprina, association, streptotrichosis, Dermatophilus congolensis, sheep 2350
Stringent response,
induction, nitrofurantoin, Bacillus subtilis 4741.
Strongylocentrotus droebachiensis,
association, nitrogen-fixing bacteria, role, nitrogen sources 2402.
Strontium,
effects on polysaccharides biosynthesis, Streptococcus mutans, Actinomyces viscosus 223.
Strontium salts,
treatment, dental caries, animal models 1954
Strontium-89,
treatment, effects on Listeria monocytogenes immune clearance, macrophage activating factor production, mice 7954
Structural proteins,
characterization, Bacillus brevis 12567
phage AP50, Bacillus anthracis, lysogeny, electron microscopy 12820
pili, amino acid sequence, Escherichia coli 11104.
receptors, bacteria, characterization, reviews 9587
Stubble,
Triticum aestivum, biodegradation, soil microorganisms, role, soil fertility 131.
Stunt,
Vaccinium ashei, Mycoplasma-like organisms detection 5500
Zea mays, Jamaica, multiplicity of infection, Spiroplasma citri, maize mosaic virus 7307.
Sturnus vulgaris,
experimental infection, Staphylococcus aureus, foot, Aves, animal models 7281.
Stylosanthes,
nodulation, Rhizobium 8180.
Stylosanthes hamata,
aluminum effects on nodulation, Rhizobium 10794
Stylosanthes scabra,
aluminum effects on nodulation, Rhizobium 10794.
Suanatem,
treatment, periodontitis, gingivitis, efficacy, animal models 4591.
Subaortic stenosis,
association, endocarditis, bacteria, treatment, man, case reports 2307.
Subclavin vein,
catheterization, association, sepsis, man 7090.
Subclinical infection,
mastitis, cattle, diagnosis, pathology 7248.
Pseudotuberculosis, diagnosis, man 13303.
Staphylococcus aureus, udder, cattle 7231.
Subculture,
blood culture, bacteremia man, diagnosis, +radiometry 7141.
blood culture, identification, man 6458.
Treponema pallidum, survival 8266.
Subcutaneous chambers,
Streptococcus faecalis experimental infection, inflammation, association, accumulation, gallium citrate, leukocytes, rabbits 2209.
Subpopulations,
lymphocytes, levels, Staphylococcus aureus, hypersensitivity (delayed), hypersensitivity (immediate), guinea-pigs 6087.
Substances,
uptake, bacteria, continuous culture, mathematical models 12308.
Substrate preferences,
association, biomass biosynthesis optimization, Alcaligenes hydrogenophilus 9816.
bacteria colonization, methodology 1283.
effects on growth, methanogenic bacteria films 5654.
Pseudomonas, adherence, environmental conditions, surface properties, methodology 9591.
Substrate specificity,
acetoacetyl-CoA reductase, Zoogloea ramigera 3960.
alcohol dehydrogenase, Pseudomonas 4015.
aminoacyl-tRNA synthetase, Escherichia coli, yeasts 3979.
aminoglycoside adenylyltransferase, Klebsiella pneumoniae, Escherichia coli, Serratia marcescens, Proteus vulgaris 1485.
aspartate aminotransferase, Escherichia coli, Pseudomonas striata 12607.
chorismate mutase, Escherichia coli, Streptomyces aureofaciens 9751.
citrate (pro-3S)-lyase, deacetylase, Rhodopseudomonas gelatinosa, Rhodopseudomonas palustris 211.
CTP synthetase, Escherichia coli 9769.
dipeptidyl peptidase IV, Streptococcus mitis 4006.
DNA (adenosine-6-)-methyltransferase, Haemophilus parainfluenzae 12509.
DNA (cytosine-5-)-methyltransferase, Arthrobacter luteus 12506.
DNA polymerase I, Escherichia coli 5752.
endodeoxyribonuclease CfrI, Citrobacter freundii 12510.
endodeoxyribonuclease, Escherichia coli 6615.
endodeoxyribonuclease HineI, Haemophilus influenzae 6665.
endodeoxyribonuclease SduI, Streptococcus durans 6619.
endonuclease S1, Aspergillus oryzae 3972.
Escherichia coli aminoacyl-tRNA synthetase, association ATP analogs 5741.
exodeoxyribonuclease III, Escherichia coli 8510.
β-D-galactosidase mutants forms, relationship evolutionary genetics, Escherichia coli 4850
glutaconate CoA-transferase, Acidaminococcus fermentans 2806.
hydrogen bacteria, soil, rocks 12456.
8-hydroxy-5-deazaflavin analogs, $NADP^+$ reductase, Methanococcus vannielii 8574.
marine environment bacteria, enumeration, use, microscopes 1276.
NADH reductase, NADPH reductase, Beneckea harveye 9759.
neuraminidase, Erysipelothrix rhusiopathiae, activity 6644.
peptides, Legionella proteinase 11211.
plasmid pSM1 cleavage, kinetics, endodoxyribonuclease PstI 4145.
proteinase I, Achromobacter lyticus 3970.
ribonuclease D, Escherichia coli 3906.
ribonuclease F, Escherichia coli 11085.
RNA polymerase Escherichia coli, DNA SV40 6597.
RNA polymerase, phage ΦX174 DNA RNA polymerase, Micrococcus luteus, Escherichia coli 11042.
settling behavior, metamorphosis, interspecific relationships, bacteria, Janua brasiliensis 2499.
valine, Pseudomonas putida dihydrolipoamide reductase, effects on keto acid dehydrogenase 5775.
Zymomonas mobilis, media (culture) 8256.
Substrates,
dissolved organic carbon, microorganisms growth 10973.
Subtilisin,
inhibitors, analysis, Streptomyces, N.M.R. 3919.
proteolysis, probes potassium cyanide effects on Pseudomonas cytochrome oxidase conformation, Pseudomonas aeruginosa 8567.
Subtilisin inhibitor,
tryptophan residues, N.M.R., Streptomyces albogriseolus 7574.
Subtilisin inhibitors,
Streptomyces, microbial serine proteinases, complex, denaturation, comparison 2734.
Subunit structure,
adenosinetriphosphatase, Escherichia coli, alleles effects on, characterization 1589.
adenosinetriphosphatase, X-ray scattering, Escherichia coli 4061.
aspartate ammonia-lyase, Escherichia coli 4027.
citrate (pro-3S)-lyase, Rhodopseudomonas gelatinosa 9772.
Escherichia coli enterotoxins, immunochemistry 12971.
isopropylmalate isomerase, Salmonella typhimurium 1490.
nitrogenase, Azotobacter vinelandii 4899.
nuclease, Thermus thermophilus 5754.
Subunits,
cell walls, proteins, Lactobacillus buchneri, arrangement, characterization 1364.
pili, Escherichia coli, characterization, purification 2724.
pili, proteins, Escherichia coli, assembly, characterization 1371.
Succession,
bacterioplankton population dynamics, phytoplankton decomposition 2496.
Hippophae rhamnoides subsp.rhamnoides, dunes, growth, nodulation, actinomycetes 4638.
population dynamics, Serratia marscescens, Staphylococcus aureus, biodegradation, Cocos nucifera, Copra 6542.
soil microorganisms, bacteria, composts effects on 1202.
soil microorganisms, recolonization, fires, Pinus kesiya, forests 10802.
soil, Rhizobium leguminosarum, Arthrobacter globiformis, population dynamics 12136.
Succinate,
carbon sources, Escherichia coli, pyruvate, excretion 8459.
nutrient enrichment effects on Rhizobium trifolii morphology, presentation, nodulation, electron microscopy 8213.
transport, Rhizobium leguminosarum 1384.
Succinate dehydrogenase,
activity, mice, Staphylococcus infection, antibiotics treatment effects on 10668.
activity, structure, biosynthesis, genetic analysis, reviews 8603.
anions effects on kinetics, physicochemical properties, cytoplasmic membranes, Escherichia coli 11162.
deficient mutant, Rhizobium meliloti, growth 12412.
derepression, nitrogen, metabolism, Klebsiella pneumoniae 12647.
electron transport, bacteria isolates, marine environments, sodium ions, effects on 2677.
Escherichia coli, detergents effects on 3081.
function, Escherichia coli, phages Enzymes replacement 5851.

Succinate dehydrogenase, (continued)
  solubilization, characterization, Escherichia coli 11177.
Succinic acid,
  oxidation, Escherichia coli, temperature effects on 5624.
  resistant mutant, Rhizobium leguminosarum, metabolism, characterization 5648.
Succinic anhydride,
  chemical modification, Escherichia coli ribosomal protein L7/L12 11110
Succinivibrio dextrinosolvens,
  pectin fermentation, media (culture) 9652.
Succinyl-CoA synthetase (ADP-forming),
  tricarboxylic acid cycle, bacteria, catalysis, reviews 9732.
Succinyl-CoA synthetose (ADP-forming),
  coenzyme A binding effects on, conformation, fluorescence, Escherichia coli 12609
Succinylacetone pyrrole,
  role, Clostridium tetanomorphum porphobilinogen synthase biosynthesis inhibition 12577.
o-Succinylbenzoic acid,
  role, biosynthesis, Escherichia coli, enzymes 6562.
Suckling behavior,
  juveniles, sheep, infection, Eperythrozoon ovis, diseases protection 9371.
Sucrose,
  cariogenicity, dental caries, animal models 3306.
  concentration, association, Salmonella senftenberg, heat resistance 8392.
  diets, effects on, dental caries, gnotobiotics (germ-free), rats 3649.
  diets, effects on intestinal microflora, cattle, juveniles 1045.
  effects on dental caries, bacteria, epidemiology, children 11696.
  effects on dental caries, bacteria, relationship, meals, children, man 11691.
  effects on, dental plaque formation, Streptococcus mutans, Streptococcus milleri, Streptococcus sanguis, Streptococcus salivarius 731.
  effects on dental plaque formation, ultrastructure 4379.
  effects on, growth, anaerobic microorganisms, blood culture, man, 9622.
  effects on, rumen microorganisms, urea metabolism, sheep 13360.
  fermentation, Salmonella arizonae, plasmids, characterization 1690.
  induction, cell walls autolysis, production, protoplasts like cells, characterization, Clostridium saccharoperbutylacetonicum 138.
  leakage, phosphatidylcholine liposomes, Escherichia coli endotoxins effects on 5170.
  Streptococcus lactis, metabolism, transport 1559.
  Streptococcus mutans, fermentation, acid production, kinetics 2832.
  transport, Streptococcus mutans, phosphoenolpyruvate-fructose phosphotransferase, continuous culture 6495
  yield, Beta vulgaris, nitrogen fertilizers, spatial distribution, effects on 1153
Sudden-infant-death syndrome,
  relationship, botulism, infants, man 3469.
Sugar,
  effects on, Streptococcus mutans infection, teeth, rats, animal models 6953
  exposure, effects on dental caries, children 714.
  food, feeding regimes, effects on dental plaque pH, man 1963
  palatinit comparison, cariogenicity, acid production, Streptococcus, oral microflora, rats 7968.
  relationship, dental caries incidence, children 711.
Sugar industries,
  wastes, Rhizobium, growth, survival 1165
Sugarcane mosaic virus,
  inhibition, foliar applications polysaccharides, Bacillus subtilis, Streptococcus pneumoniae, Sorghum bicolor 4077.
Sugars,
  casein, man, effects on, Bifidobacterium bifidus, growth 1395.
  chemotactic response, motility, Rhizobium leguminosarum 5619
  content, Coxiella burnetii lipopolysaccharides, association, growth 11228.
  derivatives, 4-nitrophenylhydrazones, N-4-nitrophenylhydrozones, isonicotinoylhydrazones, antibacterial activity, Micrococcus luteus, Escherichia coli, Bacillus licheniformis 8847
  effects on Streptococcus mutans glucans biosynthesis 12702
  Escherichia coli, blood groups determinants, interaction, Pseudomonas aeruginosa, lectins, hemagglutination 1857
  Escherichia coli pili specificity, lectins receptors 8381.
  lipids linkage, role, xanthans biosynthesis, Xanthomonas campestris 5800.
  lipopolysaccharides, Rhizobium trifolii, nodulation, mutants 2827.
  liquids, bottle feeding, induction, dental caries, infants, man 9085
  osazones, antibacterial activity, bacteria 10044
  Spirochaeta aurantia, chemotaxis, role, membrane potential 2615.
  sterilation, effects on Escherichia coli degradability 8460.
  Thiobacillus metabolism, metabolic pathways 1563.
  transport, Escherichia coli, adenylate cyclase regulation 9599
  transport, Escherichia coli, outer membranes, structure-activity relationships, lamB gene protein, phage λ receptors 8527.
  uptake, Megasphaera elsdenii, phosphoenolpyruvate fructose phosphotransferase, characterization 2799.
  uptake, Streptomyces antibioticus, spores, germination, induction 2627.
Sulbactam,
  +ampicillin, antibiotic prophylaxis, effects on, intestinal microflora, aerobic bacteria, comparison, anaerobic bacteria, man 11654.
  antibiotic synergism, inhibition, biosynthesis, penicillinase, mice 361
  +azlocillin, synergism, antibacterial activity, Pseudomonas aeruginosa 9951.
  effects on Bacteroides, cefoperazone antibiotic resistance, penicillinase production 9994.
  synergism, mecillinam, antibacterial activity 9960
Sulbenicillin,
  antibacterial activity, anaerobic bacteria 4174.
  +cefsulodine, antibacterial activity, Serratia marcescens, antibiotic sensitivity testing, antibiotic synergism 3018.
Sulfacetamide,
  effects on Pseudomonas aeruginosa contamination media (isolation), Salmonella 3761.
  Pseudomonas aeruginosa, media (isolation), Salmonella 3761
Sulfachloropyridazine,
  potentiation, trimethoprim effects on, in vitro, in vivo 1103.
  +trimethoprim, treatment, colibacillosis, Escherichia coli, experimental infection, chickens, pigs 1103
Sulfachlorpyridazine,
  susceptibility, Haemophilus pleuropneumoniae, animal isolates, pneumonia, pigs 5904.
Sulfadiazine,
  antibiotic resistance, Klebsiella clinical isolates, hospitals patients 9998.
  antibiotic resistance, Salmonella johannesburg, IncFI plasmid, incompatibility 9856.
  drug resistance, Pseudomonas, wound infection, burns, treatment, quinoline
  drug resistance, Salmonella typhimurium, plasmids 402.
  drug sensitivity testing, Neisseria meningitidis 325.
  effects on, Escherichia coli, hemagglutination, adherence, ultrastructure 8827.
  treatment, salmonellosis, relationship, animal models, cattle 2363.
  +trimethoprim, treatment, cystitis, Proteus mirabilis, experimental infection, juveniles, horses 2379.
Sulfadimethoxine,
  Bordetella bronchiseptica drug resistance, association R factors, pigs juveniles 6850.
Sulfafurazole,
  antibacterial activity Chlamydia 9972.
Sulfamethopyrazine,
  +trimethoprim, treatment, urinary tract infection, man 13192.
Sulfamethoxazole,
  +antibiotic FR-31564, antibiotic synergism, antibacterial activity, gram-negative bacteria 2997.
  effects on, Escherichia coli, hemagglutination, adherence, ultrastructure 8827.
  Listeria monocytogenes, antibacterial activity 7853.
  treatment, Enterobacteriaceae meningitis, pharmacokinetics, rabbits 7066.
Sulfamethoxozole,
  Bacteroides, antibacterial activity, agar dilution test 6841.
Sulfamethoxypyrazine,
  +trimethoprim, treatment, respiratory tract infection, man 2011.
  +trimethoprim, treatment, urinary tract infection, man 2077.
Sulfamethozole,
  antibacterial activity, Mycobacterium 7852.
Sulfamoxole,
  +trimethoprim, treatment, typhoid fever, man 825.
Sulfanilamide,
  antibiotic resistance, Bacillus subtilis, recombinants plasmids, plasmid pKO101 5873.
  gram-negative bacteria, drug resistance, R factors 10059.
Sulfasalazine,
  antibacterial activity, intestinal microflora, man 10278.
  effects on fecal microflora, man 672.
  treatment, colitis, Crohn's disease, bacteria, man 11764.
  treatment Crohn's disease, effects on intestinal microflora, man 671.
  treatment, Crohn's disease, man, fecal microflora, effects on 674.
Sulfate,
  transport, mechanisms, Alteromonas luteo-violaceus, characterization 1335.
  transport, Pseudomonas halodurans, Alteromonas luteo-violaceus, regulation, characterization 1334.
Sulfate reduction,
  abundance, bacteria, Arctic Ocean 12162.
  bacteria, water, sediments, lakes, seasonal variations, temperature effects 3738.
  sediments, nitrogen cycle, methanogenesis, decomposition, factors affecting, freshwater environments, British Isles 2490.
  sediments, nitrogen cycle, methanogenesis, decomposition, factors affecting, freshwater environments, British Isles 3735.
  sulfate-reducing bacteria, oxidation, hydrogen, acetate, sediments, salt marshes 3739.
Sulfate-reducing bacteria,
  acetate, nutrient sources, oil 12394.
  hydrogen sulfide, chromium reduction, marine environment 2495.
  relationship, aerobic bacteria, heterotrophs, metals tolerance, marine environment sediments 12154.
  sea water, isolation, enumeration, characterization 4649.
  sediments, aquatic 3742.
  sediments, British Isles, association nitrogen fixation 8210.
  sulfate reduction, oxidation, hydrogen, acetate, sediments, salt marshes 3739.
  sulfur nutrient cycles, rhizosphere, Picea 10793.
  utilization, hydrogen, fatty acids, sediments, marine environment 112.
  utilization, hydrogen, sodium molybdenate, sediments, eutrophic environment 137.
Sulfathiazole,
  effects on, Escherichia coli, hemagglutination, adherence, ultrastructure 8827.
  Salmonella, antibiotic resistance 9996
Sulfhydryl groups,
  alveolysin, chemical modification effects on interaction cholesterol, Bacillus alvei 11477.
  role stability, activity, β-D-glucosidase, Bacteroides succinogenes 7587.
Sulfide,
  formation, soil, sediments 3716.
  measuring techniques, anaerobic environments, aquatic environment 8222.
Sulfisoxazole,
  ± erythromycin, antibacterial activity, Streptococcus pneumoniae clinical isolates 7799
Sulfite,
  effects on, ATP levels, Lactobacillus malii, Leuconostoc mesenteroides 239.
  reduction, Clostridium pasteurianum 113.
Sulfite reductase,
  induction, Salmonella typhimurium cysM gene mutants, anaerobic conditions 12651.
Sulfobacillus thermosulfidooxidans,
  ecological distribution, hot springs 13517.
Sulfolipids,
  actinomycetes, incidence, characterization 9803.
Sulfolobolus acidocaldarius,
  RNA polymerase, purification, characterization 9782.
Sulfolobus acidocaldarius,
  isolation, characterization, plasmids 12837.
  leaching, sulfur compounds, coal 12388.
  rRNA 5S, nucleotide sequence 2720.
  sulfur leaching, coal 12371.
Sulfonamide,
  activity, serine effects on, Escherichia coli, mutants 10022.
  bacteria drug resistance, clinical isolates, Finland 12956.
  +colistin treatment, diarrhea, cattle neonates, Escherichia coli incidence 11768.
  +trimethoprim, treatment, bacteria infection, man, antibiotic synergism, association urine 8757.
Sulfonamides,
  antibacterial activity, Salmonella 9931.
  drug resistance, Escherichia coli, animal isolates 4195

Sulfonamides, (continued)
drug resistance, Escherichia coli, incidence, chickens, pigs, British Isles 3063
drug resistance, Neisseria meningitidis, passage effects on 1790.
drug resistance, R factors, Escherichia coli, animal isolates, chickens 4200.
treatment, bacteria, respiratory tract infection, man 3328
Sulfones,
antibacterial activity, Mycobacterium smegmatis, structure-activity relationships 440
Sulfur,
assimilation, Escherichia coli 12402
bacteria, nutrient sources, biodegradation, ametryne, prometryne 5647
coal, leaching, Sulfolobus acidocaldarius 12371
compounds, leaching, Sulfolobus acidocaldarius, coal 12388.
cycles, bacteria, seasonal variations, marine environment 5544.
cycles, phototrophic bacteria, role, lakes 2492
cycles, soil microorganisms, plants, soil, pollution 12150.
distribution, Bacillus coagulans spores, electron probe analysis 87.
effects on environmental conditions, anaerobic conditions, sediments, marine environment 8220
effects on Medicago sativa nitrogen fixation, Rhizobium meliloti symbiosis 13480.
effects on population levels, respiration, soil microorganisms, nitrification, soil amendment 7329
granules, Pseudomonas aeruginosa, morphology, induction, cattle 2342.
inclusion bodies, Beggiatoa alba, characterization 4733.
inclusions, Beggiatoa alba, ultrastructure 4720
inorganic compounds, oxidation, forests soil, association Thiobacillus 9460.
inorganic compounds, oxidation, forests soil, industrial pollution effects on 9465
inorganic compounds reduction, bacteria, sediments, lakes 8226.
iron clusters, fumarate reductase (NADH), E.S.R., Vibrio succinogenes 4031.
leaching, coal, acidophilic bacteria, thermophilic bacteria 10979.
lipid composition, Mycobacterium tuberculosis, isolation, purification 6679
membrane composition, ferredoxin, Escherichia coli, E.S.R. 1339
metabolism, enzymes, sulfur bacteria 12690
nutrient cycles, soil microorganisms 5526.
nutrient cycles, sulfate-reducing bacteria, Thiobacillus, rhizosphere, Picea 10793
nutrient requirements, Acetivibrio celluloyticus growth 12422.
oxidation activity, forests soil, Thiobacillus distribution 9461.
oxidation, Thiobacillus ferrooxidans, growth 7474.
oxidation, Thiobacillus thiooxidans, Thiobacillus thioparus, soil 8440
removal, coal, bacteria, reviews 7432.
removal, coal, methodology, Thiobacillus ferrooxidans 9649.
Rhizobium meliloti, effects on, roots mass, nodulation, nitrogen fixation, Medicago sativa 2451.
soil microorganisms, assays, soil 5514
soil microorganisms, effects on carbon dioxide fixation 6833
Thiobacillus, oxidation, mines effluents 8215.
L-thiocystine, metabolism, radioactive labelling, Escherichia coli 12353.
volatiles compounds, hydrogen sulfide, biosynthesis, Bacteroides melaninogenicus var.melaninogenicus, Bacteroides melaninogenicus var.asaccharolyticus 4085
zinc bonds, aspartate carbamoyltransferase X-ray absorption, Escherichia coli 8588
Sulfur bacteria,
algae, marine environments, brines, effects on 3744.
identification, oxidation, hydrogen sulfide, methodology 12270.
population levels, mines wastes 128.
sulfur, metabolism, enzymes 12690.
Sulfur dioxide,
antimicrobial activity, Bacillus, association, wine bottles corks 8837.
effects on, lesions, development, Xanthomonas phaseoli, blight, Phaseolus vulgaris 12093
Sulfurmycins,
Streptomyces galilaeus, biosynthesis, structure 7743.
Sulphadiazine,
drug resistance, plasmids, Pasteurella multocida, transfer, Escherichia coli 3050
Sulphadimethoxine,
metals complex, antibacterial activity 11461.
Sulphamethazole,
+trimethoprim, drug resistance, bacteria, urinary tract isolates, incidence, man 458.
Sulphate,
growth, Desulfovibrio vulgaris, Desulfovibrio desulfuricans, Desulfovibrio gigas 5651.
Sulphathiazole,
Salmonella typhimurium, Salmonella dublin, Salmonella cholerae-suis, Salmonella enteritidis, Salmonella gallinarum-pullorum, drug resistance 3115
Sulphonamide,
drug resistance, Pseudomonas aeruginosa plasmids, plasmid pYMB1 281
Sulphonamides,
antibacterial activity, Mycobacterium fortuitum, Mycobacterium chelonei 5969.
effects on, Escherichia coli, hemagglutination, adherence, ultrastructure 8827.
treatment, otitis media, man 10337.
Sunlight,
mutagenesis, Bacillus subtilis spores 6712.
Supercoiling,
DNA, DNA gyrase, stimulation RNA polymerase transcription plasmids ColE1 DNA 8509.
Superinfection,
gram-negative bacteria, immune response, man 6900.
Supernatants,
antitumor activity, hamsters, Leptospira, infectin, cell culture 10500.
cytotoxicity, Legionella pneumophila, thermal stability, association, necrosis, mice 11522.
Escherichia coli enterotoxins, cell-free system, assays, association diethyl ether 7878.
lymphocytes, association syphilis, syphilis, rabbits, antibacterial activity, Treponema pallidum 8988.
Superoxide dismutase,
activity, Lactobacillus, characterization 8558.
activity, Rhodopseudomonas capsulata, Citrobacter freundii, Thiocapsa roseopersicina, carbon sources effects on 11140.
biosynthesis, Thiocapsa roseopersicina, factors affecting 11219.
gene products, comparison, symbionts, Leiognathus splendens, Photobacterium leiognathi, coevolution 6323.
Superoxide dismutase, (continued)
isolation, characterization, Methanobacterium bryantii 4036.
kinetics, Bacillus stearothermophilus 183
mice spleen leukocytes, Mycobacterium bovis, Mycobacterium lepraemurium, effects on activity 6079.
Mycobacterium leprae, enzymatic activity 1495.
Propionibacterium, activity, strains, respiration 12666.
purification, characterization, Paracoccus denitrificans 7573.
Rhizobium japonicum, iron content, activity 1528.
X-ray diffraction, Thermus thermophilus 4067.
Suppression,
Clostridium difficile, cecitis, intestinal microflora, antibiotic therapy, hamsters 3603.
Newcastle disease virus vaccination immune response (humoral), Mycoplasma meleagridis infection, turkeys 4303.
phenotypes, galE gene, plasmid S-a, plasmid Rts1, Escherichia coli 2919.
Suppressor cells,
immune response (cell-mediated), experimental infection, Mycobacterium habana, Mycobacterium simiae, gnotobiotics (specific pathogen free), mice 6063.
immune response, Mycobacterium kansasii infection, mice 4298.
immune response, rosette formation, Mycobacterium antigens, man, tuberculosis, leprosy 4315.
immunodeficiency, brucellosis, colchicine effects on, man 1873.
immunological tolerance, mice gram-negative bacteria endotoxins, mice 11519.
lymphocytes T, immunosuppression, chemotherapy, experimental infection, Mycobacterium bovis, Mycobacterium simiae, mice 3214.
Suppressor factor,
Antinobacillus actinomycetemcomitans, isolation, effects on lymphocytes man, 3216.
Bacillus subtilis, mutants, spoIIA gene, gene mapping 2853.
production, adherent cells, guinea-pigs, Mycobacterium tuberculosis infection 1894.
Suppressors,
nucleotide sequence, DNA replication, Bacillus subtilis 11050.
tRNA Gly, Escherichia coli, nucleotide sequence 1448.
tRNA, recognition codons, frameshift mutants, Salmonella 2883.
tRNA Tyr genes, construction, cloning, Escherichia coli 4967.
temperature-sensitive mutant, Escherichia coli, dnaA gene, gene products, isolation, plasmids 12799.
Suprapen,
treatment, thorax empyema, children 13315.
Surfacants,
Nocardia, effects on sterols uptake 11235.
Surface activity,
disinfectants, antibacterial activity 10026.
surfactants biosynthesis, Mycobacterium, Pseudomonas, relationship, carbon sources, in vitro 241.
Surface area,
roots, Leguminosae, association, Rhizobium japonicum, populations 3698.
Surface charge,
Bacillus subtilis cytoplasmic membranes, detection use ferritin+protamine complex labelling 10957.
bacteria, assays, chromatography 4728.
Surface markers,
lymphocytes T, binding, streptococcus cell membranes, poststreptococcal glomerulonephritis, man 1881.
Surface microlayer,
distribution, Serratia marcescens, Serratia marinorubra, enumeration 6445.
Surface microlayers,
abundance, bacteria, Arctic Ocean 12162.
Surface properties,
effects on, Streptococcus faecium, morphology, growth, cell division 1333.
Pseudomonas, adherence, substrate preferences, environmental conditions, methodology 9591.
Surface water,
canals, lakes, Netherlands, incidence, Listeria monocytogenes 12177.
contamination, association, infection, man, British Isles 3452.
disease transmission, cholera, man 13160.
Escherichia coli isolates, antibiotic resistance, drug resistance heavy metals 11443.
isolation, Legionella pneumophila, characterization, differentiation, drug resistance 61.
microbial pollution, indicator species, bacteria, lakes 12178.
Surfaces,
adherence, bacteria, role, viability, β-lactam antibiotics, antibacterial activity 3026.
bacteria recovery, aerosols, disinfectants 7847.
colonization, microorganisms, mathematical models 3832.
dairy industry, bacteria adherence 79.
glycoproteins, role, Chlamydia psittaci, attachment, L cells 2588.
metals, fouling, filamentous microorganisms, marine environment, cleaning, effects on 4650.
recovery bacteria, antibacterial activity, Thran 7844.
recovery, bacteria, antibacterial activity Thran 7845.
saliva, coatings, adherence, Streptococcus sanguis, role, cell surface, proteins, purification, characterization 2617.
Streptococcus mutans, adherence, maternal effects, surfaces, children, in vitro 2608.
Streptococcus sanguis, attachment, measurement, continuous culture 3833.
Surfactants,
activity, lipids, physicochemical properties, Rhodococcus erythropolis 12710.
bacteria, biosynthesis, screening, use oil dispersants, drilling, oil installations 8649.
biodegradation, bacteria 8413.
biodegradation, gram-negative bacteria, screening 11000.
biosynthesis, bacteria, role, pathogenicity, roots attachment 4090.
biosynthesis, surface activity, Mycobacterium, Pseudomonas, relationship, carbon sources, in vitro 241
Corynebacterium glutamicum, effects on L-lysine biosynthesis 9703.
effects on, hydrocarbons, oxidation, bacteria 11008.
effects on, macrophages, phagocytosis, Listeria monocytogenes, experimental infection, mice 3235.
effects on oil biodegradation, bacteria, Protozoa, phytoplankton 7438.
effects on, Pseudomonas aeruginosa growth, n-hexadecane 5639.
effects on Thermoactinomyces vulgaris proteinase metabolism 11453.
linear alcohol ethoxylates, biodegradation, kinetics, thermodynamics, bacteria

Surfactants, (continued)
4753
Surfactin,
production, Bacillus subtilis 3928
Surgery,
abdomen, antibiotic prophylaxis, incidence, wound infection, clinical trials, gentamicin, clindamycin, man 10531.
abdomen, association, anaerobic bacteria postoperative infection, treatment, man 10628
abdomen, infection, Streptococcus faecalis, Pseudomonas aeruginosa, treatment, moxalactam 7016
abdomen, postoperative infection, treatment, man 12003.
adenocarcinoma, association, endocarditis, Streptococcus bovis, man, case reports 7173.
anus, rectum, colon, Escherichia coli, Proteus mirabilis, bacteroides, bacteremia, postoperative infection, man 839.
aorta tuberculosis aneurysm, man 6303.
appendix, postoperative infection, prophylaxis, antibiotics, man 974.
association, bacteria infection, sisomicin treatment, neonates, children 10629.
association, bacteriuria prophylaxis, cephradine treatment, man 10579.
bacteria, postoperative infection, man 2319.
biliary tract, antibiotics treatment, microflora association, man 12001.
biliary tract lithiasis, association, infection, factors affecting,
biliary tract, prophylaxis, postoperative infection, cefazoline, man 4503.
bone fusion, man, tuberculosis elbow 6316.
brain, postoperative infection, Bacillus cereus meningitis, man, case reports 884
carcinoma, postoperative infection, prophylaxis, adriamycin, urinary bladder, man 3399
cataract, postoperature infection, Staphylococcus epidermidis ophthalmitis, man, case reports 954.
colon, anaerobic bacteria, postoperative infection, pretreatment, tinidazole, man 2230.
colon, Bacteroides fragilis, Escherichia coli, postoperative infection, prophylaxis, antibiotics, man 973.
colon, complications, antibiotic prophylaxis, cefazolin, comparison, cefazolin+metronidazole, man 10498
colon, rectum, association, postoperative infection, prophylaxis, metronidazole+fosfomycin, metronidazole+cephalothin, man 3488.
colon, rectum, association, postoperative infection, sepsis, prophylaxis, antibiotics, man 3365.
colon, septicemia postoperative infection, prophylaxis, doxycycline, man 1015.
colon+rectum, postoperative infection, prophylaxis, metronidazole, man 5406.
cornea ulcers, Moraxella, case reports, man 11952.
duodenum, postoperative infection, association antibiotic prophylaxis, man 6210.
gastric juice, association, cimetidine effects on bacteria growth, man 10984
gastrointestinal tract, obesity treatment, effects on intestinal microflora, man 666
gastrointestinal tract, postoperativeinfection stomach microflora, bacteria, man 668
genital tract, association, urinary tract infection, treatment, man 7056.
gynecology, postoperative infection, metronidazole prophylaxis, man 11804.
head and neck, postoperative infection, prophylaxis, carbenicillin, man 937
heart, nosocomial infection, Pseudomonas maltophilia bacteremia, children 960
heart, postoperative infection, endocarditis, gram-negative bacteria, man 5420.
heart, postoperative infection, prophylaxis, ampicillin, cefazoline, timing, man 3513
heart, rupture bacteria brain aneurysm association, man 6242.
hip, postoperative infection, staphylococcus aureus, staphylococcus epidermidis, man, case reports 6278.
hip, Propionibacterium acnes postoperative infection, man, case reports, reviews 7135.
indications, endocarditis, man 2182.
intestine, risks, urinary tract infection, dogs 5463.
irrigation, abdomen, peritonitis, man 10543.
lung, association, penicillin prophylaxis postoperative infection, man 10451.
lung, postoperative infection, prophylaxis, use, antibiotics, man 2256.
man, postoperative infection, bacteria, antibiotics treatment 10580
mycobacteriosis, Mycobacterium intracellulare, lung, man 6169.
nervous system, postoperative infection, prophylaxis, antibiotics, man 6306.
nosocomial infection, bacteria, mezlocillin, +oxacillin treatment, man 12016
nosocomial infection, wound infection, disease control, antibiotics, antiseptics, man, reviews 10562.
obstetrics, gynecology, associaton, postoperative infection, antibiotics, prophylaxis, man 9267.
obstetrics, postoperative infection, treatment, metronidazole, man 10449
orthopedics, association, postoperative infection, prophylaxis, antibiotics, man 10457
pediatrics, antibiotics, prophylaxis, postoperative infection, characterization 6292.
prophylaxis, antibiotics, wound infection, bacteria, characterization, man 7206.
prostate, postoperative infection, prophylaxis, antibiotics, man 5371.
prostate, prophylaxis, postoperative infection, bacteriuria, bacteremia, povidone-iodine, ± gentamicin, man 868.
rabbits, laparotomy, Staphylococcus aureus postoperative infection, pathogenesis, comparison surgical diathermy 13404.
relationship, Escherichia coli, Proteus mirabilis, antibodies, serum levels, man 550.
relationship, nosocomial infection, epidemiology, man 10509
sepsis, nosocomial infection, wound infection, airborne bacteria, man 10597
sites, bacteria concentration, relationship, prophylaxis, postoperative infection, antibiotics, man 3492.
spleen, association, meningitis, Streptococcus pneumoniae, man, case reports 2122.
thorax, postoperative infection, prophylaxis, ampicillin+flucloxacillin, man 772.
thorax, postoperative infection, prophylaxis, penicillin+streptomycin, flucloxacillin+ampicillin, man 986.
treatment, arthritis, Staphylococcus, sacroiliac, man, case reports 3520.
treatment, bacteria, endocarditis, heart, man 4460
treatment, bacteria peritonitis, man, case reports 10563
treatment, brain abscesses, man, bacteria 13221
treatment, endocarditis, gram-positive bacteria, man 13348.
treatment, endocarditis, Streptococcus viridans, echocardiography diagnosis, man 1001.
treatment, inflammatory bowel disease, bacteria concentration, surgery sites, relationship, postoperative infection, man 3462.
Surgery, (continued)
treatment, joints infection, bacteria, man 3523.
treatment, otitis media, man 11863.
treatment, Streptococcus, Staphylococcus, endocarditis, aortic valve, man 3476.
treatment, Streptococcus, Staphylococcus, Escherichia coli, endocarditis, aortic valve, man 3478.
treatment, typhoid fever, association, gastrointestinal tract bleeding, man, case reports 3359.
treatment vesical reflex, urinary tract infection association, children 10389.
tuberculosis, lymph nodes, man 11911.
tuberculosis, Mycobacterium tuberculosis, genitourinary tract, treatment, man 9164.
urinary tract, association, antibiotics, prophylaxis, septicemia, man 7103.
wound infection, bacteria, pathology, diagnosis, antibiotic prophylaxis, man, conferences 10845.
wound infection, Staphylococcus aureus, risk factors, camparison, nosocomial environments, man 10599.
wound infection, Staphylococcus aureus, Staphylococcus epidermidis, etiology, clinical aspects, man 10511.
Yersinia enterocolitica infection, clinical aspects, man, reviews 7148.
Surgical clothing,
fabrics, Micrococcus, Staphylococcus, penetration 2187.
Surgical diathermy,
rabbits, laparotomy, Staphylococcus aureus postoperative infection, pathogenesis, comparison surgery 13404.
Surinam,
medicinal plants, plant extracts, antimicrobial activity, Bacillus subtilis, Staphylococcus aureus, Escherichia coli, Aspergillus niger, Candida albicans 7856.
Surveillance,
control programs, nosocomial infection, man 10577.
epidemiology, nosocomial infection, disease control, surveillance, man 10526
tetanus, British Isles 11889.
tuberculosis, man, hospitals 5392.
Yersinia enterocolitica infection, man, Belgium, serotyping, reviews 8070.
Surveys,
antibiotic resistance, antibiotic sensitivity testing, animal isolates 12930.
antibiotics treatment bacteria infection, recommendations, man 7179.
antibiotics treatment, man, Czechoslovakia 10607.
Clostridium difficile, diarrhea, man 7021.
enumeration, coliforms, heterotrophic bacteria, estuaries, India 8217.
Escherichia coli, antibiotic resistance, incidence, military personnel, institutions, man, Switzerland 3072.
gonorrhea, penicillinase production, France, man 13243.
gram-negative bacteria, clinical isolates, R factors, penicillinase, incidence, hospitals, man 2952.
incidence, bacteria infection, man, institutions, USA, New York 1011.
Mycobacterium tuberculosis, clinical isolates, antibiotic resistance, streptomycin, drug resistance, isoniazid, surveys, Algeria 3060.
Neisseria gonorrhoeae, infection, penicillinase, man, USA 2162.
Neisseria meningitidis infection, mortality, man, British Isles 7153.
neurosyphilis, treatment, penicillin, man, Denmark 4455.
nitrogen-fixing bacteria, nitrogen fixation, phyllosphere, India 6428.
nosocomial infection, epidemiology, man, conferences 10844
nosocomial infection, incidence, intensive care units, man 8044
nosocomial infection, man, hospitals 10585
nosocomial infection, risks, control programs, hospitals, man 10590.
nosocomial infection risks, hospitals, man 10570.
nosocomial infection, risks, hospitals, man 10587.
Salmonella occurrence Rattus norvegicus, association enteritis, man, Kuwait 6211.
Serratia marcescens clinical isolates, antibiotic resistance, Japan 10009
sexually-transmitted diseases, females, man, British Isles 2150.
sexually-transmitted diseases, man, Spain 2146.
swimming pools water purification, association microbial pollution 6436.
urinary tract infection, antibiotics treatment, man 9147.
Sus scrofa,
serum, incidence, Brucella, antibodies, Germany, Fed. Rep. 3637.
Suspended matter,
interference, coliforms enumeration, seawater, membrane filtration 7372.
soil microorganisms, isolation, density gradients centrifugation 8172.
Suspension culture,
assays, mutagenesis, Salmonella typhimurium 1582.
assays, use Escherichia coli, detection DNA damage, mutagens 2529.
Sutures,
bacteria adherence, role infection, man 8357.
Enterobacteriaceae, Staphylococcus aureus, adherence 90
materials, effects on postoperative infection immunopathology, animal models 1028.
materials, effects on Staphylococcus aureus postoperative infection, animal models 1039.
SV40,
DNA, protein biosynthesis, plasmids, Escherichia coli 2951.
DNA, RNA polymerase Escherichia coli substrate specificity 6597.
genes transfer, plasmids, mammalian cells, genetic engineering 8675.
+pBR322 plasmid recombinants, Escherichia coli gpt gene replication, mammalian cells 8676.
polyoma virus, transfection, Escherichia coli, gpt gene, promoters, transcription 12767
replication, plasmid pBR322 nucleotide sequence effects on 7695.
transformed cells, growth, Streptomyces, biosynthesis, diketopiperazines effects on 4158.
Swabs,
isolation, respiratory tract, bacteria, man 10858.
sampling, effects on, cytoplasm inclusions formation, Chlamydia trachomatis 4663.
transport, Mycoplasma hominis, Ureaplasma urealyticum, Mycoplasma fermentans 4667.
Swamps,
Melaleuca leucadendron, nitrogen fixation, Australia 1184.
peat, methanogenesis, USA, Georgia 8178.
Swarming,
effects on, Proteus mirabilis, metabolism 2606.
Proteus mirabilis, effects on outer membranes 8391.
Swarming behavior,
Vibrio parahaemolyticus, effects on flagella formation 8384.
Sweden,
adults, pertussis 4391.

Sweden, (continued)
- hospitals, man, incidence, postoperative infection 3519
- lakes, heterotrophic bacteria, carbon uptake, phytoplankton photosynthesis 12167
- man, arthritis, Yersinia enterocolitica, clinical aspects, case surveys 4520
- man, detection, Escherichia coli, enterotoxins, antibodies 3229
- man, females, incidence, genital tract infection, Chlamydia trachomatis 4450
- man, Neisseria gonorrhoeae epidemiology, agglutination 36
- man, urinary tract isolates, bacteria, drug resistance, trimethoprim± sulphamethazole, incidence 458
- Mycobacterium clinical isolates, identification, man 6262.
- Neisseria gonorrhoeae, epidemiology, serotyping, auxotrophy typing, man 33.
- periodontal diseases, epidemiology, bacteria, adolescence 11693

Sweeteners,
- effects on, dental caries, rats, animal models 6962

Swimming,
- association, gastroenteritis, Enterobacteriaceae, water quality, man 7988
- association, pneumonia, legionella pneumophila, case reports, man 6192
- ear infection, coliforms contamination, water quality, lakes, man 8214
- Escherichia coli water pollution relationship gastroenteritis, man 6198.

Swimming pools,
- association, Pseudomonas aeruginosa, dermatitis, man 1934
- epidemiology, skin mycobacteriosis, chlorination effects on, man, France 3276.
- microflora, bacteria, relationship, biocides, Australia 2479
- water purification, association microbial pollution, surveys 6436.

Swine dysentary,
- Treponema hyodysenteriae, experimental infection, pigs 10690.

Swine dysentery,
- treatment, tylan, pigs 2380
- Treponema hyodysenteriae± aflatoxins, food additives, effects on, gnotobiotics (specific pathogen free) pigs 2376
- Treponema hyodysenteriae, identification, gnotobiotics (specific pathogen free), pigs 6339
- Treponema hyodysenteriae, immune response, pigs 6098

Swine erysipelas,
- prophylaxis, combined vaccines, hog cholera virus+Erysipelothrix rhusiopathiae, pigs, field trials 632.
- prophylaxis, Erysipelothrix rhusiopathiae vaccination+medicine feed additives, immune response, pigs 5255.

Switzerland,
- Escherichia coli, antibiotic resistance, incidence, military personnel, institutions, man, surveys 3072
- man, dental caries, prophylaxis, fluoride 3300
- man, Salmonella, Shigella, infection, imported diseases 2250.

Symbionts,
- abundance, factors affecting, Glossina 7291
- bacteria, Pediculus humanus 6391
- bacteria, Reticulitermes flavipes, Coptotermes formosanus, effects on lipid biosynthesis, metabolism 5492
- bacteria, Tetratoxum excavatum, cytoplasm compartmentation 7311
- digestive tract, bacteria, culture, Lolita grandis 4596.
- flagella ultrastructure, bacteria, Foaina, Pyrsonympha 6393.
- mycetome, antibiotics effects on, diets, Rhizopertha dominica 10731.
- nitrogen fixation, books, conferences 9480
- Photobacterium leiognathi, Leiognathus splendens, comparison, gene products superoxide dismutase, coevolution 6323.
- Wolbachia, Ephestia cautella, effects on fertility 1129.
- Xenorhabdus nematophilus, Neoaplectana carpocapsae immunity effects on 4598.

Symbiosis,
- Actinomycetes, roots nodules, Colletia, characterization 9435.
- bacteria, Amoeba proteus, effects on nuclei phenotypes 10759.
- bacteria, cecum, Lohita grandis 6386.
- bacteria, Chlorella vulgaris, nutrient requirements 98
- bacteria, Noctiluca scintillans, flagella, morphology 10761.
- bacteria, Porifera, Mediterranean Sea, Great Barrier Reef 1127.
- Boeckosimus affinis, bacteria microflora 10734.
- Enterobacter, Pseudomonas, Streptococcus, spores, Glomus macrocarpus var.macrocarpus 4618.
- Eubacterium saburreum, Veillonella parvula, role, dental plaque 7312.
- Frankia, Alnus incana nodules, isolation 10736
- Frankia, suppression glyoxylate cycle, nodules, Alnus glutinosa, Hippophae rhamnoides 10783
- Glycine max, Rhizobium japonicum 3682.
- Glycine max, Rhizobium japonicum, selection 5517
- Glycine max, Rhizobium, soil moisture effects on 1223
- interspecific relationships, Cryptomonas, Caulobacter 8157.
- larvae, bacteria, Bryozoa 2399.
- Leguminosae, Rhizobium, nodulation, cell surface, polysaccharides, reviews 13490.
- Lotus conrniculatus, Rhizobium loti sp.nov., characterization 8345
- Medicago sativa, Rhizobium meliloti, sulfur, nitrogen, effects on nitrogen fixation 13480
- mutants, characterization, genetic analysis, transposon Tn5 mutagenesis, Rhizobium meliloti 6762.
- nitrifying bacteria, effects on nitrogen cycle, Glycine max 7314.
- nitrogen fixation, Alnus glutinosa, Alnus rubra, British Isles 3703.
- Pisum sativum, Rhizobium, nitrogen fixation, association, fruits growth, apical apparatus 9467.
- Polymyxa palustris, bacteria, role, respiration, evolution, mitochondria 3677.
- Protozoa, interaction, bacteria, characterization 7310.
- Rhizobium, Glycine max, soil, acidity, tolerance, factors affecting 2437.
- Rhizobium, intraspecific interactions, setaria anceps, Desmodium intortum, effect on nitrogen fixation 10771.
- Rhizobium, legumes, nitrogen fixation, shales 8204.
- Rhizobium, Vigna radiata, interaction, Rhizoctonia botaticola root rot, antagonism 9477.
- Rhizobium, Vigna unguiculata, herbicides effects on 1203.
- rhizosphere microorganisms nitrogen fixation, Casuarina, nodules 8198.
- Sesbania rostrata, Rhizobium nitrogen fixation, role nif gene 8688.

Synaptosomes,
- Clostridium botulinum neurotoxins binding, brain, mice 11501.

Syncerus caffer,
- brucellosis, Brucella, serological surveys 6345.

Synchronous culture,
- Bacillus subtilis, DNA biosynthesis, initiation, relationship, cell walls biosynthesis 2594.
- centrifugation, Bacillus subtilis, respiration, variation, cell cycle 2680.

Synchronous growth,
- Bacillus subtilis, biodegradation, dyes, role, textile industry wastewater treatment 4754

Synergisidin,
- biosynthesis, Penicillium, antimicrobial activity 1797.

Synergism,
- antibacterial activity, oxytetracycline+dimethyl sulfoxide, oxytetracycline+EDTA-tromethamine, Proteus mirabilis, Salmonella typhimurium, Aeromonas hydrophila 4190.
- antibiotics+serum, antibacterial activity, man, in vitro 12882.
- antigens, immune response, rabbits, Escherichia coli, enterotoxins 10192.
- azlocillin, +clavulanic acid, +sulbactam, +N-formimidoyl thienamycin, antibacterial activity, Pseudomonas aeruginosa 9951.
- fosmidomycin, β-lactam antibiotics, gentamicin, trimethoprim, antibacterial activity, Enterobacteriaceae 11391.
- Fusobacterium necrophorum, Corynebacterium pyogenes, infection, uterus, postparturition, cattle 2371.
- Haemophilus influenzae, influenza A virus, nasal infection, experimental infection, neonates, rats 2346.
- iron, streptonigrin, bactericidal activity, Escherichia coli 10042.
- lipophilic acids, fatty alcohols, antibacterial activity, Bacillus subtilis 430.
- mecillinam, β-lactamase inhibitors, antibacterial activity 9960.
- pathogens, Xenorhabdus luminescens, Heterorhabditis bacteriophora, Culex pipiens 6392.
- physiology, methane production, bacteria 9813.
- Pseudomonas+Fusarium, soil isolates, biodegradation, benzylpenicillin 1380.
- Rhizobium leguminosarum, growth, cellulolytic microorganisms, soil 12141.

Syngergism,
- Anabaena, Zoogloea, association, carbon dioxide limitations continuous culture 9426

Synonymy,
- Mycobacterium simiae, Mycobacterium habana, taxonomy, serotyping, hydridization 9569

Synovial fluid,
- lactic acid, bacteria, arthritis, diagnosis, man 2325.

Synovitis,
- Mycoplasma synoviae, outbreaks, chickens 5467.

Synovium cells,
- rats, interaction, Mycoplasma arthritidis antisera, rabbits 555.

Synthesis,
- N-acylaminopropylammonium, salts 428.
- 2-(4-aminophenyl)thiazoles derivatives, antitubercular agents, tuberculosis, man 6836.
- antibacterial activity, cephalosporins derivatives, structure-activity relationships 11399.
- antibacterial activity, 3-(N-acetyl-N-hydroxyamino)propylphosphonic acid analogs, structure-activity relationships 5934.
- 2-arylthiobenzimidazole, 2-arylsulphonobenzimidazole, 2,4-dinitro-12(H)-oxo-benzimidazo[2,1-b][1,3]benzothiazine, antimicrobial activity 8841.
- bactobolins 375.
- benzimidazoles derivatives, antitubercular agents, tuberculosis, man 6838.
- 3H-1,2-benziodazol-3-ones derivatives, antimicrobial activity 433.
- benzo[b]thiophene-3-carbamic acid esters, antibacterial activity 1756.
- L-benzyl-4-nitroimidazole-5-thioacetic acid derivatives, antibacterial activity 4206.
- cephalosporins, antibacterial activity 9949.
- cephalosporins, chemical modification, antibacterial activity 9948.
- cephalosporins derivatives, antibacterial activity 11397.
- cyanonaphthyridomycin, antimicrobial activity 11418.
- cyclopentadiene derivatives, cyclopentadienone derivatives 8843.
- 2-deoxy-3-demethoxy fortimicin, antibacterial activity 11417.
- deoxybutirosin A derivatives, structure, antibacterial activity 11395.
- 18-deoxynargenicin A1, antibacterial activity, Staphylococcus, Streptococcus 7813
- di(nitroetyl)sulfide, antibacterial activity, gram-positive bacteria 8844.
- 3'-epi-dihydrostreptomycin, antibacterial activity 11393.
- 3"-epi-dihydrostreptomycin, antibacterial activity 7773.
- 9-epileucomycin A, antibacterial activity 8782.
- furan derivatives, antibacterial activity 419.
- gratisin, antibacterial activity, structure-activity relationships 4187.
- 3-[2'-(heteroryl)vinyl]-benzoxazinones, antimicrobial activity 11466.
- α1-interferon genes, gene expression, Escherichia coli, Methylophilus methylotrophus 11265.
- ^{125}I-β-Iodo-D-alanine, antibacterial activity, Escherichia coli 1766
- leucomycin derivatives, antibacterial activity 4185.
- lividomycin B, analogs, antibacterial activity 7775.
- 7α-methoxy-7β-vinylenethioacetamido cephalosporins, structure-activity relationships, antibacterial activity, gram-negative bacteria 9953.
- N-methylnitrone, nitrovinyl, derivatives, antibacterial activity, gram-positive bacteria, structure-activity relationships 8839.
- mitomycin B analogs, structure, antitumor activity, antibacterial activity 3084.
- mycaminosyl tylonolide, 4'-deoxymycaminosyl tylonolide, derivatives, antibacterial activity, gram-negative bacteria, structure-activity relationships 7814.
- mycaminosyltylonolide derivatives, antibacterial activity 6814.
- mycobacterium tuberculosis,
  - 4-(5-nitro-2-furyl)-2-(substituted-pherylamino)thiazoles,
  - 4-(2,4,5-trichlorophenyl)-2-(substituted-phenylamino) thiazoles,
  - 4-(di-hydroxyphenyl)-2(substituted-phenylamino)thiazoles, antibacterial activity 10043.
- oligodeoxyribonucleotides, Escherichia coli DNA polymerase I, methodology 8513.
- olivanic acids analogs, structure, antibacterial activity 2959.
- 1-oxacephem derivatives, antibacterial activity 7795.
- 1-oxacephem derivatives, antibacterial activity, gram-negative bacteria 11403.
- penicillinase, guanosine 5'-diphospate 3'-diphosphate inhibition, DNA, plasmid BR322 6749
- Pseudomonas aeruginosa antigen O, vaccination rabbits 7915.
- pyrazoles derivatives, antimicrobial activity 7864.
- pyridines, Escherichia coli, Staphylococcus aureus, Salmonella typhi 439.
- pyrroles derivatives, antibacterial activity, Escherichia coli 424.
- quinazolones derivatives, antitubercular activity 5135.
- quinolines derivatives 416.
- rifamycin, chemical modification, structure, antibacterial activity 7805.
- tRNA fMET 3'-terminus, Escherichia coli 12538.

Synthesis, (continued)
  tRNA fMet analogs 12545.
  tRNA_f Met, Escherichia coli 1456.
  salicylanilide derivatives, antibacterial activity, gram-positive bacteria 4213.
  siomycin A analogs, antibacterial activity 3033.
  thiazolerifamycin derivatives, antibacterial activity 371.
  thio-sulfonyl benzimidazoles derivatives, antitubercular agents, tuberculosis, man 6839.
  thiocarbanilides, antitubercular agents, tuberculosis 6837.
  trimethysilyl 3-(carbethoxyalkylcarbamoyl)propiolates, antibacterial activity, Mycobacterium smegmatis, Mycobacterium tuberculosis 8842.
  triorganotin 5-nitro-2-furoates, antimicrobial activity, bacteria 11467
  tylosin derivatives, structure-activity relationships, bacteria, macrolide antibiotics resistance 12908
Syphilis,
  antigen-antibody complexes, association, serum, man 1842
  antigen-antibody complexes levels, man 597
  aorta aneurysm, man 10439.
  association, conjunctivitis, man, case reports 3424
  association diabetes mellitus, man, case reports 9181.
  association, hepatitis, man, case reports 912.
  association, lymphadenitis, man 13238.
  association, osteitis, tibia, man, case reports 2153.
  association, risks, infection, hepatitis A virus, relationship, sexual behavior, man 3427.
  association, Wernicke's encephalopathy, man 2152.
  bone pathology, man 3433.
  brain pathology, man 3434.
  clinical aspects, differential diagnosis, man 2157.
  clinical aspects, man 2164.
  congenital infection, association, keratitis, man, case reports 5351.
  congenital infection, clinical aspects, infants 908.
  congenital infection, clinical aspects, man, case reports 926.
  congenital infection, incidence, infants, man, Zambia 10434.
  diagnosis, enzyme-linked immunosorbent assay, TPHA test, man 11530.
  diagnosis, FTA-ABS test, man 6034.
  diagnosis, FTA-ABS test, TPHA test, man 934.
  diagnosis, hemagglutination, association, serum temperature, man 4248.
  diagnosis, man 9184.
  diagnosis, man, reviews 3435
  diagnosis, passive hemagglutination, man 5185
  diagnosis, pregnancy, man 7076.
  diagnosis, serological tests, man 2159.
  diagnosis, serological tests, man, reviews 2137.
  diagnosis, treatment, man, reviews 2139.
  epidemiology, man, Africa 2173
  epidemiology, man, Greece 909
  epidemiology, statistical analysis, man 10436.
  face paralysis association, man, case reports 11861
  hepatitis B surface antigen, seroepidemiology, homosexual behavior, man, Netherlands 2176.
  immune response, man 6893.
  immunodiagnosis, serological tests, man 3422.
  immunoglobulin M detection, immunoassays, man 10134
  incidence, homosexuality, females 921
  incidence, nosocomial environments, man 13239.
  infectious diseases, blood donors, vaccination 12012.
  lesions development, rabbits 4446.
  lipids metabolism, man 5348.
  liver pathology, radioassays, man 3421
  lymph nodes pathology, immune response, animal models 5347.
  lymphocytes B, lymphocytes T, macrophages, man 604
  lymphocytes T subpopulations, immune response, man 10188.
  man, association, nephrotic syndrome 11851
  man, clinical aspects 13247.
  man, diagnosis 13250.
  man, diagnosis, reagin screen test, Treponema pallidum antigens 8904.
  man, leprosy association 13092.
  man, positive serological tests, diagnosis 11852.
  man, sexually-transmitted diseases, epidemiology, world, Neisseria gonorrhoeae, infection, man, sexually-transmitted diseases, epidemiology, world 13236.
  neurosyphilis, clinical aspects, diagnosis, case surveys 911.
  neurosyphilis, clinical aspects, epidemiology, man, Denmark 907.
  penicillin treatment, association, meningovascular syphilis, man 11860.
  presentation, arteritis, treatment, man, case reports 4451.
  rabbits, association syphilis, lymphocytes supernatants, antibacterial activity, Treponema pallidum 8988.
  relationship, genetics, man 3428.
  screening, blood, man, Australia 5352.
  serological tests, diagnosis, standardization, USSR 3423.
  serological tests, ethnic groups, Kenya 4445.
  stomach pathology, man, case reports 7077.
  tonsil, man, Treponema pallidum 11858.
  TPHA test, VDRL test, diagnosis, man 2141.
  treatment, bicillin, methyluracil, animal models 7085.
  treatment, cobalt, bismuth, penicillin, man 3431.
  treatment, diagnosis, man 7080.
  treatment, man 3430
  treatment, man 3432
  treatment, penicillin, man 2148.
  treatment, penicillin, man 7087.
  treatment, penicillin, man, case surveys 7082.
  treatment, penicillins+levamisole+sodium nucleinate, man 9193.
  Treponema palladum, clinical aspects, morphology, man 4457.
  Treponema pallidum, association, hepatitis, incidence, case reports, man 6250.
  Treponema pallidum, epidemiology, man, Upper Volta 4456.
  Treponema pallidum, experimental infection, serum, regulation, lymphocytes response, rabbits 10182.
  Treponema pallidum, immunity, man, reviews 3426.
  Treponema pallidum, lesions, complement role pathogenesis Herxheimer reaction, rabbits 6085
  Treponema pallidum, prophylaxis, People's Republic of China, man 13245
  Treponema pallidum, serological tests, methodology 11862.
  uveitis association, man, case surveys 9199.
Syphilis proctitis,
  Treponema pallidum, presentation, liver, association, Crohn's disease, man, case reports 4454.
Syringes,
  aspiration biopsy, diagnosis lung tuberculosis, man 6187.
  aspiration, +craniotomy, treatment, Streptococcus brain abscesses, man, case reports 6241.
  aspiration, treatment, liver abscesses, man, anaerobic bacteria infection 8059.
  drug addiction, isolation, Pseudomonas aeruginosa, endocarditis, man 3501.
  injuries, personnel, nosocomial environments, man 11927.
  steel, comparison, teflon catheters, complications, risk factors, nosocomial infection, man 11875.
Systemic infection,
  Nocardia asteroides, treatment, cotrimoxazole, man, case reports 8043.
Systemic lupus erythematosis,
  treatment, corticosteroids, association, tuberculosis, disseminated infection, man, case reports 2305.
Systemic lupus erythematosus,
  association, bactericidal activity, leukocytes (polymorphonuclear), children 596.
  association, Neisseria meningitidis infection, children, case reports 3502.
  association, Salmonella, infection, diagnosis, man, case reports 4508.
  association, Salmonella typhimurium, arthritis, diagnosis, treatment, man, case reports 1008.
  association, skin infection, immunological aspects, man, case reports 8998.
  man, association, peritonitis, case reports 10497.
Systemic lupus erythematous,
  association, toxic shock syndrome, Staphylococcus aureus, differential diagnosis, clinical aspects 11521.
Systems,
  phosphoenolpyruvate-fructose phosphotransferase, Escherichia coli, association lactose permease activity 12646.

Tabes dorsalis,
  Treponema pallidum, clinical aspects, penicillin treatment, case reports, man 10430
Tablets,
  fluoride, dental caries prevention, children, long-term effects 10308.
Tachycardia,
  association, sepsis, neonates, man 8064.
Tail fibers,
  receptors sites, Escherichia coli, phage T4D, characterization 7675.
Tails,
  cattle, association wound infection 6344.
Take-all,
  Gaeumannomyces graminis, Pseudomonas antagonism, rhizosphere, Triticum 7308.
Talampicillin,
  treatment, bronchitis, man 806.
Tamarindus indica,
  growth factors, effects on Lactobacillus bulgaricus acid production 12693.
Tampons,
  assocation, toxic shock syndrome, man, case reports 5402.
  association toxic shock syndrome, case reports, man 12975.
  association toxic shock syndrome, man 12988.
  association, toxic shock syndrome, Staphylococcus aureus, case reports, man 8004.
  association toxic shock syndrome, Staphylococcus aureus, man, case reports 7115.
  association, toxic shock syndrome, Staphylococcus, incidence, man, case surveys 3377.
  biodegradation, toxic shock syndrome, Enterobacteriaceae, man 13270.
  composition effects on Neisseria gonorrhoeae growth, dissemination, man 8027.
  interaction, Staphylococcus aureus, growth, toxins production, in vitro, association, toxic shock syndrome, man 9662.
  Staphylococcus aureus, toxic shock syndrome, man 8030.
  toxic shock syndrome, Staphylococcus aureus, case reports, man 9149.
  use, psychological aspects, association, toxic shock syndrome, man, adolescents 10127.
  use, relationship, toxic shock syndrome publicity, man, adolescents 10128.
Tannins,
  soil amendment, effects on, Pseudomonas solanacearum, respiration, glucose oxidation 13503
Tanzania,
  land reclamation, soil, nutrient status, nitrogen fixation, nodules, Leucaena leucocephala 12144.
  leprosy, incidence, prophylaxis, man 13085.
Tar,
  drinking water pipes, colonization, bacteria 12180.
D(-)-Tartate dehydratase,
  isoenzymes, Pseudomonas, isolation, characterization 12626.
Taste discrimination,
  man, leprosy, effects on 3278.
Tatumella ptyseos gen nov. sp. nov.,
  cultural characteristics, taxonomy 6484.
Taurine,
  Bacillus subtilis, identification, isolation 9809.
Taurolin,
  antibacterial activity, mechanisms 411.
Taxis,
  bacteria, role, plant diseases, reviews 5495.
  leukocytes, induction, Staphylococcus aureus infection, coagulase effects on, rabbits 11585.
  magnetic fields, bacteria, characterization 6498.
  Spiroplasma motility 62.
Taxonomic revision,
  Actinobifida chromogena, menaquinone association, Thermomonospora 12251.
  Actinomadura species, Nocardiopsis 10912.
  Actinomyces, USA, Illinois collections 9576.
  Agrobacterium gypsophilae, pathogenicity, Gypsophila paniculata 3663.
  Azomonas macrocytogenes, nomenclature, characterizaton, association, Azotobacter macrocytogenes 8343.
  Bacteroides zoogleoformans comb.nov., characterizaton 8319.
  Cellulomonas, relationship Oerskovia 12268.
  Corynebacterium mycetoides sp.nov. 12253.
  Corynebacterium suis, association, Eubacterium suis comb. nov., characterization 8320.
  Enterobacteriaceae, nomenclature 8313
  Enterobacteriaceae, nomenclature 8316

Taxonomic revision, (continued)
Listeria monocytogenes, hemolysis, CAMP test 10923
Mycobacterium tuberculosis, characterization 8296
Nocardia farcinica, characterization 8318.
nomenclature, Stomatococcus mucilaginosus gen.nov sp.nov, associaton micrococcus mucilaginosus, characterization 8346.
Pseudomonas syringae, association, pathogenicity, Oleaceae, Nerium oleander 8301.
rRNA 16S, nucleotide sequence, Peptococcus saccharolyticus, Micrococcus mucilaginosus, Staphylococcus 2564
Taxonomic significance,
antigenic characteristics, immunodiffusion, Nocardia, Actinomadura, Nocardiopsis 1294.
Fusobacterium, fatty acid composition, gas chromatography 1572.
phenylalanine biosynthesis pathway enzymes, Pseudomonas, Alcaligenes, Xanthomonas 2746
phospholipids, antigenic relationship, bacteria 8322
Pseudomonas syringae, coronatine biosynthesis, phytotoxicity 10073
Rhizobium japonicum, Rhizobium, Agrobacterium, DNA, hybridization, genetic relationship 1441.
ribosomal proteins, antigenic characteristics, Methanobacterium bryantii, bacteria, yeasts 1481
Taxonomicrevision,
Flavobacterium breve 8315.
Taxonomy,
Acetobacterium woodii, Clostridium, Eubacterium, rRNA 1449
Actinobacillus, Pasteurella, poultry isolates, morphology, cultural characteristics, biochemical characteristics 7395.
actinomycetes 4709.
Actinomycetes 8312
Actinomycetes 9532
Aeromonas, new species, isolation, characterization 9563
Alcaligenes, strains, biochemical analysis 10901.
Archebacteria, Thermoproteus tenax, reclassification 7398
association, bacteria community structure index 13499
Azomonas macrocytogenes, nomenclature, taxonomic revision, characterizaton, association, Azotobacter macrocytogenes 8343
Bacillus 8311
Bacillus, biological properties, soil isolates 12275
Bacillus thuringiensis, subsp.nov., subsp.kumamotoensis, subsp.tochigiensis, Japan 2536.
Bacillus thuringiensis subsp.tohokuensis 6466
bacteria, classification, nomenclature 10913
bacteria, new species, new family, new taxa, characterization 12266
bacteria, quinones distribution 5598
bacteria, water springs, Greece 1231.
bacterioplankton, community composition, Alaska 1246.
Bacteroides oralis, DNA, reassociation, isoelectric focusing 10928.
Bacteroides zoogleoformans comb.nov., characterizaton 8319.
Bifidobacterium 8309
Brochothrix thermosphacta, nomenclature, spoilage, meat, reviews 8289.
Brucella 8332.
Campylobacter, fatty acid composition, biochemical characteristics, identification 1302
Capnocytophaga, chemical analysis, relationship, Bacteroides 10880.
Capnocytophaga, identification keys, computer programs 12264.
Chlamydia, culture, isolation, identification, clinical aspects 10920
Clostridium botulinum, psychrotrophic bacteria, ecology 8292.
Clostridium polysaccharolyticum comb.nov., relationship, cell walls structure, sporulation 1349
coliforms, most probable number, isolates, Crassostrea, water, sediments 5575
Corynebacterium beticola, morphology, physiology, chemical analysis 9545.
Corynebacterium, coryneforms 8308.
Cyanophyta 43.
Ensifer adhaerens gen.nov. sp.nov., characterization, antibacterial activity, soil microorganisms 9537.
Erwinia carotovora, soft rot, nutrient requirements, Beta vulgaris 1326.
Eubacterium plautii comb. nov., characterizaton 8321
Fusobacterium necrophorum strains, DNA homology 151.
glucose isomerase biosynthesis Streptomyces strains 51
gram-negative bacteria, anaerobic microorganisms, rods 8327
gram-negative bacteria, anaerobic microorganisms, rods 8329.
gram-negative bacteria, identification, cultural characteristics 6474
Haemophilus 5593.
Haemophilus 8307.
identification, bacteria 7393.
Klebsiella oxytoca, Klebsiella pneumoniae, beer isolates 80.
Klebsiella planticola sp.nov., characterization 4713.
Lactobacillus, Streptococcus, biodeterioration, beer 9548.
Legionella pneumophila, Legionella bozemanii, aquatic environment 6161.
Leptospira 8306.
Leptotrichia buccalis, fatty acids relationship 12719.
methanogenic bacteria, association, antigenic relationship 5204.
methylotrophic bacteria, identification, immunofluorescence 12271.
micropolyspora, Saccharomonospora 1286.
Mollicutes 8333.
Moraxella 8305.
Mycobacteria 8304.
Mycobacterium, identification, statistical analysis 5587.
Mycobacterium simiae, synonymy, Mycobacterium habana, serotyping, hydridization 9569.
Mycobacterium, statistical analysis 5586.
Mycoplasma, isolation, culture, identification, diagnosis 10921.
Neisseriaceae 8303.
Nocardia 8340.
nocardiform bacteria, isolation, composts, chemical properties 12265.
Pasteurella, Yersinia, Francisella 8337.
Pedomicrobium, DNA homology 4708.
phage S1, morphology, isolation, lysis, Spiroplasma 5000.
phages, Mycoplasma, Spiroplasma, Acholeplasma, lysis, morphology 9853.
phototrophic bacteria 8336.
Planctomyces bekefii characterization 4705.
Propionibacterium 37.
Pseudomonas, association, Zoogloea, Xanthomonas 8335.
Pseudomonas, carbon sources 4684
Pseudomonas, meat, spoilage 8290.
Pseudomonas phaseolicola, leafspot, Pachyrrhizus erosus 1293.
Taxonomy, (continued)
Pseudomonas, psychrotrophic bacteria, milk 8288
Pseudomonas taeniospiralis sp.nov., characterization, Kappa particles 9539.
Psychrotrophic bacteria, Bacillus, nomenclature 8287.
Rhizobium loti sp.nov., characterization, symbiosis, Lotus conrniculatus 8345.
Rickettsiales 8334.
Rochalimaea vinsonii sp.nov., characterization 8342.
Salmonella fulda sp.nov., nomenclature, serotyping 10918.
Salmonella itami, isolation 3793.
Serratia, isolation, plants 4712.
Staphylococcus, Micrococcus 8330.
Streptococcus faecium, strains, biochemical characteristics, antibiotic sensitivity testing 2575.
Streptoverticillium 9533.
Streptoverticillium 9534.
Stretomyces spinoverrucosus sp.nov., characterization 9536.
Tatumella ptyseos gen nov. sp. nov., cultural characteristics 6484.
Thiobacillus, association, fatty acid composition, DNA base composition, ubiquinones 12248.
Vibrio diazotrophcins sp.nov., characterization, nitrogen-fixing bacteria, marine environments 8349.
Vibrio parahaemolyticus, serotypes, new records 9543.
Yersinia enterocolitica, biotypes, biochemical characteristics, antigenic characteristics 8291.
Yersinia enterocolitica, characterization 29.
Yersinia enterocolitica, characterization, reviews 8326.
Yersinia enterocolitica, Yersinia enterocolitica like bacteria, DNA, biochemical characteristics 1315.
Yersinia frederiksenii sp.nov., characterization 27.
Yersinia intermedia sp.nov., characterization 28.
Yersinia kristensenii sp.nov., characterization 26.
Taxonomy (numerical),
bacteria 8339.
Pseudomonas fluorescens, strains, evolutionary genetics, DNA hybridization, complement fixation 2876.
Pseudomonas, identification, meat spoilage isolates 9556.
Pseudomonas, strains, DNA, base composition 12269.
Pseudomonas, Xanthomonas, phage typing 1641.
Tears,
antibody response, immunoglobulin G, conjunctivitis, Chlamydia psittaci, guinea-pigs 13048.
Teat,
Escherichia coli, experimental infection, cattle, relationship, milking 3621.
morphology, relationship, Staphylococcus aureus, mastitis, milk production, cattle 3581.
Teat dips,
antibiotics treatment, Serratia marcescens mastitis, cattle, case reports 13393.
chlorhexidine digluconate+glycerin, prophylaxis, Staphylococcus aureus mastitis, cattle 5453.
disease control, mastitis, cattle 1074.
prophylaxis, Staphylococcus aureus, dermatitis, mastitis, cattle 7279.
Technetium-99m,
radioactive labelling, Corynebacterium parvum, organotropism, distribution, animal models 3470.
Technology,
antibiotics, antibacterial activity 12886.
automated methods, drug sensitivity testing, bacteria 6834.
biomass, biodegradation, crop residues, single-cell protein, reviews 9624.
nitrogen fixation, Leguminosae+Rhizobium 10774.
proteolytic enzymes, dairy industry, conferences 6450.
tine test, characterization 10483
vaccination, children, infection, viruses, bacteria 10258.
Tectracycline,
antibiotic resistance, Salmonella johannesburg, IncFI plasmid, incompatibility 9856.
Teeth,
Actinomyces viscosus, Streptococcus mutans, growth, adherence, gnotobiotics (germfree), rats 4593.
bacteria, aggregation, man 3266.
dental caries, distribution, children 1961.
eruptions, nose, association, maxilla osteomyelitis, children, case reports 9285.
mineralization, association, dental caries prophylaxis, man 3307.
Streptococcus mutans infection, sugar effects on, rats, animal models 6953.
Teeth cleaning,
effects on, dental plaque, gingivitis, children, Brazil 734.
Teflon,
catheters, comparison, steel syringes, complications, risk factors, nosocomial infection, man 11875.
Teichoic acid,
Bacillus subtilis, chains length, association, phosphate limitations 9790.
Bacillus subtilis, Staphylococcus aureus, mitogenicity, lymphocytes 6922.
effects on bacteria autolysis 12695.
Staphylococcus, I.R. radiation spectroscopy 12296.
Staphylococcus, antibody response, infection, man 8984.
Staphylococcus aureus, leukocytes (polymorphonuclear), immunosuppression, phagocytosis, chemotaxis 6089.
structure, Streptomyces roseoflavus var.roseofungini, comparison, Nocardia 12698.
Teichoic acids,
Bacillus subtilis, 4074.
Bacillus subtilis protoplasts biosynthesis 1564
biosynthesis, localization, characterization, reviews 4076
cell walls characterization, Lactobacillus plantarum, Streptococcus mutans, chemostats culture 11230
+cell walls, characterization, lipids precursors, isolation, characterization, Bacillus subtilis 1569.
metabolism, Bacillus megaterium, sporulation, lipids 11241.
polymers, Streptococcus pneumoniae, cell walls, activation, complement C3b, alternative pathway 3186.
Teichomycin,
comparison vancomycin, antibacterial activity, Streptococcus group D, Staphylococcus 5931.
Teichuronic acids,
biosynthesis, Micrococcus luteus, Bacillus licheniformis, localization, characterization, reviews 4076.
Micrococcus luteus cell walls, characterization, use, N.M.R. 1558.

Teleocidin,
  Streptomyces, tumorigenesis, association, epidermis growth factors, hepatoma cells, rats 9818.
Temocillin,
  antibacterial activity 11408.
  antibacterial activity, Enterobacteriaceae 9946.
  antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa, Staphylococcus, Streptococcus 7785.
  antibacterial activity, gram-negative bacilli, gram-positive cocci, characterization 8764.
  antibacterial activity, Klebsiella pneumoniae, comparison, cefazolin 9943.
  antibacterial activity, penicillinase, stability 9954.
Temperature,
  association, ecological distribution, seasonal variations, Vibrio vulnificus, coastal waters 13528.
  association, Escherichia coli, lysozyme sensitivity 10961.
  association, Yersinia enterocolitica, cross-protection, Yersinia pestis, hypersensitivity (delayed), mice 10215
  Bacillus acidocaldarius growth conditions, media (culture) 12460
  Dermacentor andersoni, relationship, Anaplasma marginale infectivity 10697
  effects on β-galactoside transport, succinic acid oxidation, Escherichia coli 5624.
  effects on adenosinetriphosphatase, Bacillus stearothermophilus 6652.
  effects on, Agrobacterium tumefaciens, crown gall, tumorigenesis, Helianthus annuus 4608
  effects on, antibacterial activity, β-lactam antibiotics, Yersinia enterocolitica 7790.
  effects on, antibacterial activity, antibiotics 5053.
  effects on, Bacillus cereus, biosynthesis, penicillinase, role, membrane structure 4054
  effects on Bacillus sphaericus larvicides compounds activity, Culex fatigans, Anopheles subpictus 4240.
  effects on Bacillus thuringiensis var.israelensis, Bacillus sphaericus, biological control, Aedes stimulans 3655.
  effects on bacteria growth, association, biodegradation, methanol, phenol 7867
  effects on bronopol stability, activity 5126.
  effects on, copper, resistance, Thiobacillus ferrooxidans 12958.
  effects on, Crassostrea commercialis, feces, release, Salmonella charity, Escherichia coli 12058
  effects on, DNA, RNA, cultural characteristics, psychrophilic bacteria, isolation, soil 12445.
  effects on enterotoxins tertiary structure, U.V. spectroscopy, Clostridium perfringen 5045.
  effects on Erwinia carotovora subsp.carotovora, Erwinia carotovora subsp.atroseptica, transmission, Drosophila melanogaster 5498.
  effects on Escherichia coli growth 10969.
  effects on, Escherichia coli, R factors transfer frequency 9895.
  effects on, Escherichia coli, survival, soils (podzolic) 13478.
  effects on formyltetrahydrofolate synthetase self-assembly, Clostridium acidurici 4924
  effects on freeze-drying, Brucella abortus vaccines 13052.
  effects on, gram-negative bacteria egg shells isolates survival 5125.
  effects on Gramineae leaf blight, Pseudomonas avenae 9414.
  effects on growth, Bacillus 4743.
  effects on, growth, Bacillus caldotenax, continuous culture 11021.
  effects on, growth, Edwardsiella tarda, marine environment 12173.
  effects on, growth rate, Salmonella, Arizona 8422.
  effects on, growth, Thiobacillus ferrooxidans 12469.
  effects on, growth, Vibrio cholerae, estuaries, in vitro 12413.
  effects on, iron, oxidation, Thiobacillus ferrooxidans 12444.
  effects on Lactobacillus delbrueckii adaptability, cell culture 7425.
  effects on Lactobacillus, isolation, milk 9621.
  effects on light induction protons binding purple membranes, Halobacterium halobium 3881
  effects on Neisseria gonorrhoeae growth 12459
  effects on, nitrogen fixation, growth, Glycine max 4640.
  effects on, psychrophilic microorganisms, thermophilic microorganisms, growth rate 7472.
  effects on regulation fatty acid composition, Escherichia coli 5808.
  effects on, Rhizobium meliloti, modulation, roots, Medicago laciniata 3723.
  effects on RNA biosynthesis regulation, Escherichia coli 12544.
  effects on Salmo gairdneri microflora 12034.
  effects on soil microorganisms, respiration 12129.
  effects on steroids hydroxylation 6520.
  effects on, structure, nodules, Trifolium pratense, Rhizobium trifolii 3717.
  effects on, Thermoplasma acidophilum, plasma membranes 3811.
  effects on urease purple membranes vesicles reconstitution, Halobacterium halobium 6623.
  effects on, viability bacteria, lyophilization 4658
  effects on, Vibrio anguillarum, growth, biochemical characteristics 10972.
  effects on, Yersinia enterocolitica, endotoxins levels, cell division 11484.
  Escherichia coli, effects on cytochrome D photolysis 12488.
  Escherichia coli, effects on lysozyme sensitivity 12441.
  Escherichia coli, effects on peptidoglycans biosynthesis 12701.
  Escherichia coli mutants, association, biosynthesis, cis-vaccenic acid, fatty acids 12723.
  hot springs, films, Methanobacterium thermoautotrophicum, methanogenesis, decomposition 13521.
  inactivation, triacylglycerol lipase, psychrotrophic bacteria 12601.
  incubation, effects on Escherichia coli heat resistance, association, fatty acid composition 5989.
  incubation, effects on lipid composition, association, growth, Arthrobacter 7630.
  inhibition, hypersensitivity, Glycine max, Pseudomonas syringae 5504
  Microsporum, effects on, phospholipids, fatty acid composition 8644.
  monitoring, bacteria growth 4652.
  Peptostreptococcus anaerobius, effects on antibacterial activity, hydrogen peroxide 6843.
  Pseudomonas, effects on pentachlorophenol biodegradation 8436.
  Pseudomonas, effects on triphenyltetrazolium chloride biodegradation 12385.
  Pseudomonas fluorescens proteinase stability 4879.
  relationship, Azospirillum brasilense, nitrogen fixation, Setaria italica 3725.
  serum, association, hemagglutination, syphilis diagnosis, man 4248.
  soil microorganisms, effects on ammonia utilization 13467.
  soil microorganisms respiration, effects on 13466
  Yersinia enterocolitica, effects on enterotoxins biosynthesis 12967
Temperature effects,
  acne, man 1939.
  Bacillus subtilis, competence, DNA, degradation, binding, inhibition, protein biosynthesis 1437.
  bacteria, Micro-ID test, identification 1306.
  bacteria, microflora, Hirondella gigas, pressure effects, isolation, benthic zone, marine environments 3651.
  Clostridium botulinum, toxins production, pork slurries 474.
  electrons transfer, bacteriopheophytin, ubiquinone, Rhodopseudomonas sphaeroides 2683.
  Escherichia coli, efficiency of plating, phage λ 1665.
  Escherichia coli fatty acid composition 228.
  Fusobacterium mortiferum, viability, freeze-drying, culture collections 2531.
  Glycine max, hypersensitivity, disease resistance, Pseudomonas glycinea 3672.
  iron acquisition, Proteus vulgaris 1386.
  mortality, parasitism, Galleria mellonella 3654.
  nucleoids, Escherichia coli 154.
  protein biosynthesis, growth, Halobacterium halobium, Mexico 2655.
  purple membranes, Halobacterium halobium 145.
  Salmonella typhimurium, Escherichia coli, Saccharomyces cerevisiae 56.
  Streptococcus lactis, phages, interaction, cheese production 2891.
  Streptococcus mutans, membrane structure, membrane composition 1372.
  sulfate reduction, bacteria, water, sediments, lakes, seasonal variations 3738.
  tuberculin stability 175.
  Vibrio cholerae recombination 2857.
  virulence, lysogeny, Aeromonas salmonicida 1852.
  Yersinia enterocolitica, enterotoxins, biosynthesis 462.
  Yersinia enterocolitica, motility, identification, media (culture) 1348.
Temperature tolerance,
  Bacillus stearothermophilus, Clostridium botulinum, spores, computer applications 4718.
  bacteria, growth, seasonal variations, freshwater environment 13524.
  growth, food poisoning bacteria, sodium chloride, effects on 3840.
  mesophilic bacteria, media (culture), water activity, pH, effects on 117.
  Shigella sonnei, Shigella flexneri, Salmonella, rivers 13512.
Temperature-sensitive mutant,
  Bacillus subtilis, morphogenesis, cocci formation, cell walls 1338.
  Bacillus subtilis, peptidoglycans biosynthesis 1615.
  Bacillus subtilis, RNA biosynthesis, spore outgrowth 2877.
  Bacillus subtilis, spore outgrowth, cell walls, morphology, electron microscopy 2593.
  3-deoxy-D-manno-octulosonate-8-phospate synthetase, effects on lipids biosynthesis, cell death, Salmonella typhimurium 7660.
  DNA biosynthesis, isolation, characterization, ColE1 11325.
  dnaE gene, dnaN gene, Escherichia coli 11280.
  Escherichia coli, β-galactosidase, membranes, association, gene mapping 267.
  Escherichia coli, deo operon gene expression 12764.
  Escherichia coli, dnaA gene, gene products, suppressors, isolation, plasmids 12799.
  Escherichia coli, phosphoenolpyruvate carboxykinase (ATP), biosynthesis, activity 4858.
  Escherichia coli, polysaccharides biosynthesis, storage, ultrastructure 1560.
  Escherichia coli, R factor Rms201, segregation 7706.
  Escherichia coli, termination factor rho, adenylate cyclase, expression, regulation 2709.
  phage ΦCr30T, Caulobacter crescentus, transduction 2886.
  phosphatidylglycerol, glycolipids characterization, Escherichia coli 4952.
  Pseudomonas aeruginosa, vaccination, immunity, mice 10264.
  Pseudomonas, serine biosynthesis 3935.
  replication R factor Rms201 9879.
  Salmonella typhimurium, effects on lipopolysaccharides biosynthesis, rfaH gene genes 11281.
  Staphylococcus aureus, DNA biosynthesis 11059.
  Streptomyces coelicolor, isolation, characterization 1583.
Templates,
  Escherichia coli, chromatin specificity, RNA polymerase II, RNA polymerase 4827.
Tenaquinones,
  separation techniques, high-performance liquid chromatography, bacteria 9672.
Tenosynovitis,
  Mycobacterium marinum, man, case reports 5432.
Teratocarcinoma,
  development, Nicotiana hybrids, Agrobacterium tumefaciens infection± tumor promoting agents, effects on 8151.
  Nicotiana hybrids, infection, tumor promoting agents 8154.
Terbacil,
  effects on soil microorganisms, bacteria, fungi 1215.
Termination,
  chromosomes replication, association, gene localization, Escherichia coli periplasmic space proteins 12793
  Escherichia coli rrnB operon transcription, sites 3892.
  Escherichia coli transcription, nusA1 gene, nusB5 gene, mutants 5009.
  RNA polymerase, tryptophan operons, correlation models, characterization, Escherichia coli 5723.
Termination factor rho,
  Escherichia coli, association, promoters activity 8692.
  Escherichia coli, temperature-sensitive mutant, adenylate cyclase, expression, regulation 2709
  oligomerization, interaction poly(C), Escherichia coli 7521.
  purification, characterization, Salmonella typhimurium 7614.
  RNA binding, adenosinetriphosphatase activity, pyrophosphate effects on, Escherichia coli 9683
Termination factor 2,
  cross-linkage, ribosomal proteins binding sites, ribosomes, Escherichia coli 11078.
Termini,
  Escherichia coli transposon Tn21, nucleotide sequence 2935.
3'-Terminus,
  localization, rRNA 5S, rRNA 23S, rRNA 16S, Escherichia coli 2705.
  3'-terminus 2705
Terramycin,
  treatment, streptotrichosis, Dermatophilus congolensis, cattle 7269
Terrestrial ecosystems,
  agroecosystems, nitrogen cycle, conferences, Africa, West 9500.
  nitrogen cycle, research programs 9438.
Terrestrial environments,
  bacteria, lysis sensitivity, factors affecting 12334.

Terrestrial environments, (continued)
ecosystem analysis, microcosms, conferences 8248
α-Terthienyl,
Tagetes, photosensitization, cytotoxicity, Escherichia coli 7854
Testis,
autoimmunity, association leprosy, man 11610
cells, Haemophilus parahaemolyticus effects on, pigs 1812.
spermatogenesis, Killed, BCG, methanol extraction, inhibition, rabbits, dogs, rats 3595
Testosterone,
serum levels, brucellosis, Brucella, man, case reports 7210.
Tests,
agglutination, detection, antigens, Shigella, Salmonella, dysentery, salmonellosis, man 1847
agglutination, identification, Neisseria gonorrhoeae, in vitro 1292.
bacteriuria, screening, pregnancy, man 2066
carbohydrates utilization, Neisseria, clinical isolates, identification 1304.
clinical microbiology, reagents, staining, methodology 10873
comparison, diagnosis, tuberculosis, cattle 12077
complement fixation, paratuberculosis, cattle, Corynebacterium equi effects on 7924
enterotoxins, Yersinia enterocolitica, relationship pathogenicity 11539.
fluorescence, Mycobacterium, enzymes activity, role 4-methylumbelliferone 8272.
gelatin, use, photography films, Voges-Proskauer test, methodology, bacteria 10871
Legionella, antigens, agglutination 1865
Limulus lysate test, rabbit pyrogen test, pyrogenicity, vaccines, man 6934
lymphocyte transformation, Mycobacterium paratuberculosis, paratuberculosis, diagnosis, cattle 2385
Mycobacterium, identification, reviews 5588
Neisseria gonorrhoeae, agglutination, chelating agents 1311.
Staphylococcus aureus identification, use thermonuclease, evaluation 8283.
Streptococcus, agglutination, identification 1313.
Tetanus,
association, frostbite, man, case reports 2272.
association, immune system, man 13028
clinical aspects, pathology, goats 10085
Clostridium perfringens, treatment, zinc chloride, topical application, case reports, man 7134
Clostridium tetani, antibodies, detection, man 4288.
Clostridium tetani, antitoxins, incidence, man, Italy, age, sex, relationship 4309
Clostridium tetani, antitoxins, levels, man 4317
Clostridium tetani, clinical aspects, treatment, man 5361
Clostridium tetani, diagnosis, antitoxins, serum levels, passive hemagglutination, man 4306
Clostridium tetani, diagnosis, prophylaxis, treatment, epidemiology, man 4535.
Clostridium tetani, epidemiology, man, Italy 5353.
Clostridium tetani, epidemiology, man, Italy 5354
Clostridium tetani, epidemiology, prophylaxis, vaccination, man, Italy 5360
Clostridium tetani, immunity, children, man 4290
Clostridium tetani, immunity, detection, passive hemagglutination, man, hospitals 4304
Clostridium tetani, immunity, metals, workers, man 4310.
Clostridium tetani, immunity, methodology, man 4287
Clostridium tetani, immunity, urban environments, rural environments, man 4307.
Clostridium tetani, immunity, vaccination, dosage, man 4352.
Clostridium tetani, immunity, vaccination, man 5205.
Clostridium tetani, immunoglobulin E, characterization, man 4286.
Clostridium tetani, prophylaxis, man, hospitals 5356
Clostridium tetani, prophylaxis, vaccination, man 4347.
Clostridium tetani, prophylaxis, vaccination, man 4348
Clostridium tetani, prophylaxis, vaccination, man 4349.
Clostridium tetani, prophylaxis, vaccination, man 5247.
Clostridium tetani toxins effects on nerve transmission, mice 10087.
Clostridium tetani toxoids, vaccination, antibody response, man 5254.
Clostridium tetani, treatment, man 5357.
Clostridium tetani, vaccination, adults, man 4331
Clostridium tetani, vaccination, man 4346.
diagnosis, creatine kinase serum levels use, man 11960.
dogs, case reports 12074.
epidemiology, neonates, man, British Isles 1032
fluids loss, man 2109
immunity, man, India 5223.
immunity, vaccination, children, man 4351.
immunization, side effects, pericarditis, man 10245.
man, association acute myeloid leukemia, case reports 8077.
man, case surveys 878.
man, clinical aspects 11913.
man vaccination, antibody response 6135.
neonates, man 7089
paralysis, neonates, man, case reports 6868.
paraplegia, man 7901.
passive immunization, man 9058.
propranolol treatment, neruological complications, man 10421.
surveillance, incidence, British Isles 11889.
toxins, associations, neuromuscular junctions blocking 10093.
toxins, transport pathway, cell membranes invaginations 6018
toxins, wound infection, effects on, muscles, histochemistry, man, case reports 1822.
toxoids, reaction susceptibility, man 3258.
toxoids, vaccination, association, lymphocytes inhibition antibodies biosynthesis, man 4333.
toxoids, vaccination, hypersensitivity (delayed), case surveys, man 5259.
treatment, dantrolene, man, case reports 2247.
treatment, diazepam, neonates, man 7070.
vaccination, immunity, association, antibody response, immunoglobulin G, man, reviews 4353.
vaccination, man 6928.
vaccination, reviews 10260.
vaccines, antigenicity, screening, children 5250.
Tetrachlorophenol,
Pseudomonas fluorescens, toxicity testing 10870.
Tetracycline,
active transport, Escherichia coli, membrane vesicles, characterization 2580.
antibacterial activity, Mycoplasma pneumoniae, in vitro 318.
Tetracycline, (continued)
antibacterial activity, Mycoplasma, witches' broom, Zizyphus oenoplea 7300.
antibacterial activity, Neisseria gonorrhoeae 418.
antibacterial activity, periodontitis clinical isolates, man 5097.
antibacterial activity, Shigella 1699.
+antibiotic FR-31564, antibiotic synergism, antibacterial activity, gram-negative bacteria 2997.
antibiotic resistance, bacteria, in vitro 381.
antibiotic resistance, bacteria, role, membranes, diffusion 2609.
antibiotic resistance, determinants, Streptococcus, gene mapping, characterization 5943
antibiotic resistance, effects on, Escherichia coli, transposon Tn 10, RNA, characterization 2710.
antibiotic resistance, Escherichia coli, animal isolates 4195.
antibiotic resistance, Escherichia coli, incidence, chickens, pigs, British Isles 3063.
antibiotic resistance, Escherichia coli, transposon Tn10, characterization 5948.
antibiotic resistance, genes, DNA mutagenesis, methodology, plasmid pKB280 5025.
antibiotic resistance, Haemophilus influenzae, R factors, genetic relationship 1677.
antibiotic resistance, Klebsiella clinical isolates, hospitals patients 9998.
antibiotic resistance, Listeria monocytogenes L form 11437.
antibiotic resistance, plasmid JH1, determinants, Streptococcus faecalis 6759.
antibiotic resistance, plasmids, Bacteroides fragilis, clinical isolates, transfer 3048.
antibiotic resistance, plasmids mediation, transfer, Bacteroides, Escherichia coli 2929.
antibiotic resistance, plasmids, Staphylococcus epidermidis, characterization, transfer, Staphylococcus aureus 3049.
antibiotic resistance, plasmids, transfer, Staphylococcus aureus, comparison, gram-positive bacilli 9901
antibiotic resistance, promoters, cloning, use plasmid pBRH4, Escherichia coli 4970.
antibiotic resistance, Pseudomonas aeruginosa plasmids, plasmid pYMB1 281.
antibiotic resistance, R factors, Escherichia coli, animal isolates, chickens 4200.
antibiotic resistance, Salmonella typhimurium clinical isolates 7816.
antibiotic resistance, Salmonella typhimurium, plasmids 402.
antibiotic resistance, selection, use plasmid pBR322, plasmid pDR42, Escherichia coli 11426.
antibiotic resistance, Staphylococcus aureus 380.
antibiotic resistance, Staphylococcus aureus, burn patients 8793.
antibiotic resistance, Staphylococcus aureus, man 406.
antibiotic resistance, Streptococcus faecium, R factors 7838.
antibiotic resistance, Streptococcus pneumoniae, strains, serotyping 9999.
antibiotic resistance, transposition transposons 1523, role plasmid pIP112, Escherichia coli 6766.
antibiotic resistance, transposon Tn10, gene expression, gene mapping 4139.
antibiotic resistance, transposon Tn10, gene products, purification, characterization, cloning 6741.
antibiotic resistance, transposon Tn1721 gene expression 280.
antibiotic sensitivity testing, Bacteroides penicillin antibiotic resistance 5955.
antibiotic sensitivity testing, Bordetella pertussis, clinical isolates 7769.
antibiotic sensitivity testing, Dermatophilus congolensis, in vitro 1736.
antibiotic sensitivity testing in vitro, Brucella melitensis clinical isolates 11383.
antibiotic sensitivity testing, Mycobacterium, clinical isolates 8756.
antibiotic sensitivity testing, Neisseria gonorrhoeae, agar dilution test, agar diffusion test 6776.
antibiotic sensitivity testing, Neisseria meningitidis 325.
antibiotic sensitivity testing, Pseudomonas aeruginosa, pyocin typing, aeruginocine 8785.
antibiotic sensitivity testing, Shigella dysenteriae, Shigella flexneri, Shigella boydii 6825.
antibiotic therapy, psittacosis, chlamydia, case reports, man 9102.
bacteria cell adhesion, hydroxyapatite, association saliva, effects on 8401.
Bordetella bronchiseptica drug resistance, association R factors, pigs juveniles 6850
clinical isolates, Bacteroides fragilis, antibiotic sensitivity testing 11386.
comparison, erythromycin, treatment, trachoma, children 13310.
drug resistance, Corynebacterium diphtheriae, clinical isolates 7827.
effects on lipase biosynthesis, Propionibacterium acnes 1735.
effects on, protein biosynthesis, Escherichia coli 1734.
effects on, skin lipids, acne, Propionibacterium acnes, man 13082.
+erythromycin, treatment, Mycoplasma pneumoniae pneumonia, Ureaplasma urealyticum prostatitis, hamsters 10340.
Escherichia coli, coliforms, R factors, agar diffusion test 6751.
Escherichia coli, Klebsiella, antibiotic resistance 384.
in vitro serum antibacterial activity, Bacillus cereus, oxytetracycline comparison 7807.
Neisseria gonorrhoeae, antibiotic sensitivity testing, Nigeria 1731.
oral administration, treatment, urinary tract infection, Pseudomonas aeruginosa, dogs 1092.
prophylaxis, association, Yersinia enterocolitica antibodies levels, man 8973.
prophylaxis, cholera, Vibrio cholerae, epidomics association, man 10367.
resistance, Campylobacter fetus, subsp.jejuni, transfer plasmids, Campylobacter fetus subsp.fetus 287.
+rosaramicin, treatment, non-specific urethritis, man 8005.
Salmonella, antibiotic resistance 9996.
Serratia marcescens, infection, antibiotic resistance, hospitals, neonates, man 3069
Staphylococcus aureus, antibiotic sensitivity testing 3107.
Streptococcus pneumoniae, antibacterial activity, in vitro 389.
Streptomyces aureofaciens, effects on, DNA biosynthesis, protein biosynthesis 7421.
topical application, treatment, acne, man 682.
treatment, acne, man 678.
treatment, bacteria bronchitis, man 11747.
treatment, Chlamydia urethritis, man, males 5329.
treatment, endocarditis, Chlamydia psittaci, man, case reports 2235.
treatment, genitourinary tract infection, Chlamydia trachomatis, females, case reports, man 10390.
treatment, gonorrhea, man 13229.
treatment, man, genital tract infection, Chlamydia trachomatis 9187.
treatment, neisseria gonorrhoeae, urethritis, man 13228.

Tetracycline, (continued)
treatment, salmonellosis, Salmonella livingstone, mice, laboratory animals, nosocomial environments 4576.
treatment, trachoma, man 2199.
Ureaplasma urealyticum, antibiotic sensitivity testing, antibacterial activity 306
Tetracyclines,
antibacterial activity, gram-negative bacteria, in vitro 373.
antibiotic sensitivity testing, Streptococcus thermophilus, Lactobacillus bulgaricus 4189.
Clostridium, antibiotic resistance 11439.
Mycobacterium marinum, antibiotic sensitivity testing, in vitro 3003
Staphylococcus aureus, antibiotic resistance 400.
± streptomycin, +rifampicin, treatment, brucellosis, man 10479.
treatment, bacteria, infection, man 3459.
treatment, bacteria infection, man 11942.
treatment, periodontal diseases, bacteria, reviews, man 6954.
treatment, sexually-transmitted diseases, man, infection, Chlamydia trachomatis 9197.
Tetracyline,
effects on Pseudomonas aeruginosa virulence 8760.
Tetradecane,
biodegradation, Bacillus, characterization 10993.
Tetrahydrofolate dehydrogenase,
analysis, isoelectric focusing, trimethoprim resistance, mediation, R factor, Escherichia coli 11208
binding tetrahydrofolate dehydrogenase genes DNA, folinic acid modulation, Lactobacillus casei 6659.
chemical modification, Lactobacillus casei 4887.
complex, $NADP^+$, N.M.R., Lactobacillus casei 7553.
genes, DNA, binding tetrahydrofolate dehydrogenase, folinic acid modulation, Lactobacillus casei 6659
kinetics, mechanisms, Escherichia coli 11205.
Lactobacillus casei, DNA binding 4014.
Lactobacillus casei, inhibition, triazines 6646
ligands interaction, N.M.R., Streptococcus faecium 11193
methotrexate binding, Escherichia coli 1555.
purification, characterization, cloning, plasmid pJFM8, Escherichia coli 3978.
trimethoprim analogs inhibition, antibacterial activity, Escherichia coli 12610.
trimethoprim binding, N.M.R., Lactobacillus casei 5748.
Tetrahydroleucomycin,
antibacterial activity, Escherichia coli, ribosomes binding 11089.
binding, Escherichia coli ribosomes, leucomycin derivatives effects on 7517.
Tetrahydropteroyltriglutamate methyltransferase,
Bacillus subtilis, purification, characterization, kinetics, role chemotaxis 11176.
Tetrahymena pyriformis,
Escherichia coli, predator-prey interactions, growth rate 4616.
Tetranitromethane,
chemical modification lactose repressor, effects on DNA binding activity, Escherichia coli 9702
Tetraphenylphosphonium,
uptake, assays methodology, vesicles, Escherichia coli 7410.
Tetrathionate,
oxidation, Thiobacillus thiooxidans, factors affecting 7437.
Tetrathionate reductase,
linkage, formate dehydrogenase, anaerobic respiration, Proteus mirabilis 8626.
Tetratoxum excavatum,
cytoplasm compartmentation, bacteria symbionts 7311.
Tetrodotoxin,
effects on lysosomal enzymes, mice skeletal muscle 6860.
Tetronomycin,
Streptomyces, biosynthesis, structure, antibacterial activity, gram-positive bacteria 7739.
Textile industry,
wastewater treatment, Bacillus subtilis, biodegradation, dyes, synchronous growth 4754
Textiles,
isolation radioresistance bacteria 5978.
Thailand,
epidemics, Mycoplasma pneumoniae infection, man 10496.
Leguminosae, nodulation, nitrogen fixation, Rhizobium 1198.
man, Mycoplasma pneumoniae pneumonia, incidence 6981.
man, pyomyositis, abscesses, association, gram-negative cocci 4477.
man, refugees, incidence, cholera 3363.
man, traveller's diarrhea, Vibrio parahaemolyticus 4414.
mycobacteriosis, lung, man 6171.
Trombiculidae, Rickettsia tsutsugamushi isolation, infection 10732.
Thalasemia,
association, lymphadenitis, Yersinia enterocolitica, mesentery, case reports, children, man 10507
Thallium,
ions, interaction, gramicidin, N.M.R. 11350.
ions, interaction, gramicidin A, association, 2,2,2-trifluroethanol, N.M.R. 11351.
Theiobacillus thiooxidans,
thiosulfate oxidation, enumeration, rivers sediments 10810.
Theobromine,
effects on, Clostridium perfringens, sporulation, enterotoxins biosynthesis 1811
Theories,
microorganisms, oils emulsions, biodegradation 11015
Therapeutic applications,
ciclopiroxolamine, antibacterial activity 5984
Thermal injury,
Bacillus subtilis spores, amino acids enhancement, recovery 5615
bacteria, recovery of function 9655.
Escherichia coli cell membranes, induction, formation, vesicles, blebs 12328
Escherichia coli, recovery, media (enrichment), methodology 4665
viability, bacteria, heat treatments 1332.
Thermal stability,
amylase, Bacillus, characterization 12587
Bacteroides fragilis, lyophilization, skim-milk, comparison, poly(vinylpyrrolidone) 7354.
Escherichia coli enterotoxins, production 8874
Halobacterium cutirubrum, membrane glycoproteins 9724
hydrogenase, thermophilic bacteria, hot springs isolates 12573
Thermal stability, (continued)
lactose repressors, relationship DNA binding, C.D., Escherichia coli 8663.
Legionella pneumophila supernatants cytotoxicity, association, necrosis, mice 11522.
plasma proteins, rabbits, Shigella experimental infection effects on 13173.
TET repressor+tet operator complex 12778.
transposons, transposon Tn10 DNA, relationship gene regulation 5817.
Thermoactinomyces candidus,
antigens characterization, synthetic media (culture) 6039.
gas-liquid chromatography, isobutyric acid, isovaleric acid, propionic acid 5795.
Thermoactinomyces vulgaris,
Bacillus thuringiensis, serine proteinase, structure-activity relationships 11213.
gas-liquid chromatography, isobutyric acid, isovaleric acid, propionic acid 5795.
mushroom worker's lung, etiology, immunoprecipitation, relationship, composts, dust 1973.
phosphatase, enzymatic activity, heat tolerance, role, cations 2763.
proteolysis, media (culture) effects on 4764.
relationship, fibrosis, lung, antigen-antibody complexes, serum levels, man 9008.
surfactants effects on proteinase metabolism 11453.
transformation, calcium, effects on 2884.
Thermoanaerobium brockii,
alcohol dehydrogenase immobilized enzymes 4888.
Thermodynamics,
ATP pyrophosphatase, Citrobacter freundii, membranes, cytoplasm 2764.
bacteriorhodopsin liposomes proton transport, nigericin, valinomycin, light effects on 4715.
Escherichia coli elongation factor G, interaction, guanine nucleotides 4814.
ions, Halobacterium halobium, Halobacterium salinarium, Halobacterium volcanii, growth, morphology 2604.
Klebsiella aerogenes, growth, nutrient deficencies, chemostats 3862.
linear alcohol ethoxylates surfactants biodegradation, bacteria 4753.
nitrogen cycle, denitrification, soil microorganisms 8166.
ribosomal subunits interaction, Escherichia coli 5715.
Thermolysin,
Bacillus thermoproteolyticus, peptides inhibition 12579.
C-terminus fragments, conformational analysis, immunochemistry, Bacillus thermoproteolyticus 4892.
Thermomonospora,
cellulase biosynthesis 12600.
menaquinone association, taxonomic revision, Actinobifida chromogena 12251
Thermomonospora chromogena,
media (isolation), use, kanamycin 1254.
Thermomonospora fusca,
gas-liquid chromatography, isobutyric acid, isovaleric acid, propionic acid 5795.
Thermononosporia,
morphology, biosynthesis antibiotics, antibacterial activity 8747.
Thermonuclease,
Staphylococcus aureus deficient mutant, mutagenesis 4942.
Staphylococcus, cheese, detection, assays, methodology 1505.
tests, Staphylococcus aureus identification, evaluation 8283.
Thermophilic bacteria,
adenosinetriphosphatase, subunits, characterization 6654.
cellulose fermentation, ethanol biosynthesis 125.
coal sulfur leaching 10979.
cytochromes, ligands binding, membranes 6490.
hydrogenase, thermal stability, hot springs isolates 12573.
isolation, characterization, membrane filtration 2506.
protons pumps, liposomes reconstitution, reviews 12283.
sodium, protons pumps, characterization 2625.
Streptomyces alkaline proteinase, insulin cleavage 195.
Thermophilic microorganisms,
growth rate, temperature effects on 7472.
2,4,6-trinitrotoluene biodegradation, composting 12362.
Thermoplasma acidophilum,
plasma membranes, pH, temperature, effects on 3811.
RNA polymerase, purification, characterization 9782.
X-ray scattering, nucleoproteins 9705.
Thermoproteus tenax,
RNA polymerase, purification, characterization 9782.
taxonomy, reclassification, Archebacteria 7398.
Thermorubin,
binding ribosomes, fluorescence, Escherichia coli 7523.
role protein biosynthesis inhibition, mechanisms, ribosomes, Escherichia coli 6592.
Thermus,
caldolysin, immobilized enzymes, biological properties 12603.
glycolipids, carbohydrate composition, characterization 5807.
Thermus aquaticus,
D-asparaginase, purification, characterization 9757.
DNA methylase, purification, characterization 2696.
proteinase, purification, characterization 11147.
Thermus flavus,
malate dehydrogenase, purification 4861
phosphate, metabolism, characterization 12417.
plasmids, characterization, gene mapping, cloning 1688.
transport, amino acids, monosaccharides 8454.
Thermus ruber,
transport, amino acids, monosaccharides 8454.
Thermus thermophilus,
1,8-diamino-4-azaheptane, 1,9-diamino-5-azanonane, isolation, structure 8654.
DNA methylase, purification, characterization 2696
DNA methylation, effects on DNA cleavage, restriction endonuclease 5700.
elongation factor Tu, purification, immobilization, characterization 11094.
guanosine 3',5'-bis(diphosphate) synthesizing enzyme, guanosine 3'-diphosphate 5'-triphosphate synthesizing enzyme, characterization, requirements, comparison, Escherichia coli 2693.
nuclease, purification, subunit structure, physicochemical properties 5754.
plasmid pTT1, characterization, gene mapping 2915.
RNA polymerase, transcription mechanisms 2719.
tRNA (guanine-2-)-methyltransferase, purification, characterization, tRNA methylation 8491.
superoxide dismutase, X-ray diffraction 4067.
Thialysine,
metabolism, Escherichia coli, effects on growth 8441.

Thiamin,
  transport, microorganisms 2600
Thiamin pyrophosphate,
  interaction, pyruvate oxidase, Escherichia coli 7558
Thiamine,
  biosynthesis, role 4-amino-5-hydroxymethylpyrimidine 5662.
  phototrophy, pigmentation, regulation, plasmids, Erwinia herbicola 12448.
Thiamine pyrophosphate,
  Haemophilus somnus, growth, nutrient requirements, media (culture) 1390
Thiamphenicol,
  antibacterial activity, Haemophilus influenzae, Neisseria gonorrhoeae, Salmonella typhi, Salmonella paratyphi 12915
  antibiotic sensitivity testing, Neisseria gonorrhoeae, agar dilution test, agar diffusion test 6776.
  +cephalothin, antibacterial activity, antibiotic synergism, Bacteroides fragilis 3023.
  treatment, chancroid, Haemophilus ducreyi, man, case surveys 9190
Thiazolerifamycin,
  derivatives, synthesis, antibacterial activity 371.
Thiazoles,
  synthesis, antimicrobiol activity 5139
Thidiazuron,
  biodegradation, fungi, bacteria, algae 9612.
  effects on soil microorganisms, nitrogen fixation, mineralization, proteins, cellulose, crops 2456
Thienamycin,
  antibacterial activity, anaerobic bacteria 3014.
  antibacterial activity, anaerobic bacteria 8777
  antibacterial activity, Bacteroides fragilis 6789
  antibacterial activity, clinical isolates 12900
  antibacterial activity, comparison, antibiotics 9937
  antibacterial activity, Pseudomonas aeruginosa, Serratia marcescens, Klebsiella pneumoniae, Providencia stuartii 4166.
  antibacterial activity, Staphylococcus aureus 6803.
  comparison, aminoglycoside antibiotics, antibacterial activity, Pseudomonas aeruginosa, strains 8762.
  comparison, moxalactam, antibacterial activity, Pseudomonas aeruginosa, Pseudomonas maltophilia, gram-negative bacilli 8766
  derivatives, antibacterial activity 352.
  derivatives, stability, penicillinase, Staphylococcus aureus, Bacteroides fragilis, effects on 5061
  inhibition, Escherichia coli, Bacillus megaterium, peptidoglycan transpeptidase 322.
Thin-layer chromatography,
  fatty acid composition, bacteria, halophiles, evolution 1557.
  Mycobacterium, identification, lipids 5581
  Mycobacterium intracellulare, Mycobacterium gordonae, identification 5591
  mycolic acids, Mycobacterium leprae, isolation, characterization 2834.
Thio-sulfonyl benzimidazoles,
  derivatives, antitubercular agents, synthesis, tuberculosis, man 6839.
Thiobacillus,
  +air pollution, biodeterioration, paintings 8438.
  association, sulfur oxidation, inorganic compounds, forests soil 9460
  chemoautotrophy, heterotrophy, nutrient requirements, chemostat culture 1407.
  competition heterotrophic bacteria, carbon sources metabolism, chemostats 11011.
  culture conditions, acetate, thiosulfate, limitations, growth 5561.
  distribution, forests soil, sulfur oxidation activity 9461.
  forests soil, industrial pollution effects on 9465.
  mixotrophy, growth rate, glucose, formic acid, chemostats 2665.
  sugars metabolism, metabolic pathways 1563.
  sulfur nutrient cycles, rhizosphere, Picea 10793.
  sulfur oxidation, mines effluents 8215.
  taxonomy, association, fatty acid composition, DNA base composition, ubiquinones 12248
Thiobacillus acidophilus,
  growth, pyruvate, effects on 111.
  identification, cell density 4689.
  lysine, threonine, isoleucine, leucine, valine, distribution, incorporation 1475.
  oxygen uptake, association, uranous sulfate oxidation 5678.
  protonmotive force, pH gradients, membrane potential 6511.
Thiobacillus denitrificans,
  antibacterial activity, sodium dodecyl sulfate, sodium dodecyl benzenesulfonate 5963.
  thiosulfate oxidation, enumeration, rivers sediments 10810.
Thiobacillus ferrooxidans,
  acid production, waste water, mines, pollution sources 9642.
  antibacterial activity, sodium dodecyl sulfate, sodium dodecyl benzenesulfonate 5963.
  arsenopyrite oxidation 7460.
  cell walls, ultrastructure 12339.
  coal sulfur removal, methodology 9649.
  cobalt sulfide, leaching 7436.
  cytochrome c oxidase, isolation, characterization 7583.
  drug resistance, mercury, volatilization 1378.
  factors affecting iron oxidation 11019.
  growth, kinetics, mathematical models 12433.
  growth, oxidation, sulfur, iron 7474.
  identification, cell density 4689.
  incidence, activity, copper leachates, factors affecting 2438.
  iron ions, oxidation, mathematical models 12435.
  iron oxidation, factors effects on 4742.
  iron oxidation stimulation factors, purification, characterization 4745.
  iron-oxidizing bacteria, silver ions drug resistance, isolation, characterization 4220.
  mercury reductase activity, comparison, Escherichia coli 12615.
  metals effects on iron oxidation, growth 4763.
  oxygen uptake, association, uranous sulfate oxidation 5678.
  plasmids, DNA, characterization 285.
  temperature, effects on, copper, resistance 12958.
  temperature, iron, concentration, effects on, growth 12469.
  temperature, pH, effects on, iron, oxidation 12444.
  thiosulfate oxidation, enumeration, rivers sediments 10810.
  tolerance, copper ions, physiology, mutants 6853.
Thiobacillus ferroxidans,
  iron ions, oxidation 8432.
Thiobacillus neapolitans,
  fermentation, glucose polysaccharides, intracellular levels, anaerobic conditions 8450.
Thiobacillus neapolitanus,
  thiosulfate oxidation, enumeration, rivers sediments 10810.
Thiobacillus neopolitanus,
  fructose-biphosphatase localization, Carboxysomes 4918.
  glycollate oxidase biosynthesis, characterization 5643.
Thiobacillus novellus,
  antibacterial activity, sodium dodecyl sulfate, sodium dodecyl benzenesulfonate 5963.
Thiobacillus thiooxidans,
  arsenopyrite oxidation 7460.
  cobalt sulfide, leaching 7436.
  lipids, membrane composition, localization 8641.
  oil shales, leaching 118.
  oxidation, thiosulfate, tetrathionate, factors affecting 7437.
  sulfur oxidation, soil 8440.
Thiobacillus thioparus,
  active transport, amino acids, kinetics 2611.
  active transport, amino acids, kinetics, regulation 2605.
  nutrient sources, sulfur air pollution deposition leaves, Acer pseudoplatanus 7315.
  sulfur oxidation, soil 8440.
  thiosulfate oxidation, enumeration, rivers sediments 10810.
Thiobocillus neapolitanus,
  Calvin cycle, enzymes, carboxysomes, function, models 5773.
Thiocapsa roseopersicina,
  factors affecting superoxide dismutase biosynthesis 11219.
  sulfur, metabolism, enzymes 12690.
  superoxide dismutase, catalase, activity, carbon sources effects on 11140.
Thiocarbanilides,
  synthesis, antitubercular agents, tuberculosis 6837.
Thiocillin,
  antibiotics, characterization, structure 2989.
Thiocyanic acid,
  effects on hydrogen peroxide antibacterial activity, Escherichia coli, Streptococcus 11206
L-Thiocystine,
  metabolism, radioactive labelling, sulfur, Escherichia coli 12353.
Thioglycolate,
  effects on, macrophages antibacterial activity, Listeria, in vitro, in vivo, 542.
Thiolactomycin,
  antibacterial activity 7810.
  antibacterial activity 11421.
  biological properties, treatment, infection, Serratia marcescens, Klebsiella pneumoniae, mice 8049.
  Nocardia biosynthesis, antibacterial activity, Salmonella, Serratia, Bacteroides 11360.
  Nocardia biosynthesis, structure 11362.
  Nocardia production 7715.
  treatment, experimental infection, Serratia marcescens, Klebsiella pneumoniae, mice 11931.
Thiolutin,
  Salmonella typhimurium, resistant mutant, isolation, characterization 11432.
Thiomicrospira,
  deep sea hydrothermal vents, isolation, physiology, growth 5676.
Thionite,
  reduction, Clostridium pasteurianum 113.
Thionucleosides,
  Bacillus subtilis, tRNA, characterization 2714.
Thioredoxin,
  activation phage T7 DNA polymerase, comparison chloroplasts Spinacea oleracea, Escherichia coli 5002.
  conformational analysis, C.D., fluorescence, Escherichia coli 3942.
  localization, Escherichia coli 11129.
  purification, amino acid sequence, Corynebacterium nephridii 4775.
  reduction, role, ferredoxin, Clostridium pasteurianum 144.
Thiostrepton,
  antibiotic resistance, Streptomyces azureus, role, RNA methyltransferase, purification, characterization 3052.
Thiosulfate,
  oxidation, characterization, Ectothiorhodospira shaposhnikovii 12427.
  oxidation, Thiobacillus thiooxidans, factors affecting 7437.
  Thiobacillus, growth, culture conditions, limitations 5561.
  Thiobacillus, oxidation, enumeration, rivers sediments 10810.
Thiosulfate reductase,
  Neisseria gonorrhoeae, cystein biosynthesis role 7593.
Thiosulfite,
  reduction, Clostridium pasteurianum 113.
Thiosulfonic acid,
  antibacterial activity, bacteria, infection, Allium cepa 12948.
Thioureas,
  synthesis, antimicrobiol activity 5139.
4-Thiouridine,
  rel gene, role photoprotection U.V. radiation, Escherichia coli 7641.
Thiram,
  effects on, Rhizobium meliloti, growth, nodulation, Medicago sativa 3094.
Thiran,
  effects on, soil microorganisms, growth, biomass 8188.
Thiuram,
  drug resistance, Rhizobium 3116.
Thoracic duct,
  lymph drainage, effects on, peritonitis, treatment, man 3438.
Thorax,
  actinomycetes infection, man 9122.
  actinomycosis, clinical aspects, treatment, diagnosis, dogs 2392.
  aorta, Salmonella mycotic aneurysm, man, case reports 5425.
  children, empyema, suprapen treatment 13315.
  surgery, postoperative infection, prophylaxis, ampicillin+flucloxacillin, man 772.
  surgery, postoperative infection, prophylaxis, penicillin+streptomycin, flucloxacillin+ampicillin, man 986.
Thorium,
  bioaccumulation, microorganisms, industrial wastes 7402.

- **D-Threo-pent-2-ulose,**
  - isolation, Pseudomonas diminuta lipopolysaccharides 6673.
- **Threonine,**
  - inhibition, lysine excretion, growth, Micrococcus luteus, mechanisms 1464.
  - Thiobacillus acidophilus, distribution, incorporation 1475.
- **L-Threonine,**
  - nitrogen sources, media (culture), Pseudomonas tomato, cultural characteristics 8258
- **Threonine dehydratase,**
  - Escherichia coli, role. α-acetolactate biosynthesis 12570.
  - glyoxylate mechanisms, Escherichia coli, 4064.
- **Throat,**
  - infection, bacteria, pathology, etiology, man, reviews 6992.
  - isolates, Streptococcus group A, serotyping, methodology, Phadebact test 2541.
  - β-lactam antibiotics effects on, microflora, colonization, man 10282.
  - microflora, Yersinia enterocolitica incidence, serotypes, man, pigs, Canada 4540.
  - Neisseria gonorrhoeae carriage, man 918.
  - Streptococcus group A, detection methodology, Isocult culture test, man 3760.
  - Streptococcus pyogenese infection, man, case surveys 7978
- **Thromboatopenia,**
  - association septicemia, man 13342.
- **Thrombocytopenia,**
  - association septicemia, neonates, man 10556.
- **Thrombosis,**
  - association, Mycoplasma pneumoniae infection, case reports, man 11953.
- **Thrombotic thrombocytopenic purpura,**
  - association, Bacteroides, bacteremia, man, case reports 3508.
- **Thromboxane A2,**
  - biosynthesis, macrophages, stimulation, Salmonella enteritidis endotoxins, role, endotoxin shock, rats 5162
- **Thromboxane B_2,**
  - production, endotoxins Escherichia coli effects on, platelets, man 3147
- **Thunnus,**
  - Proteus morganii infection, histamine release, epidemiology, food poisoning, man 13367
- **Thy-1 antigen,**
  - lymphocytes capping, Mycoplasma, mitogenicity, immunostimulation 10238.
- **Thylakoids,**
  - freeze-fracture electron microscopy, Rhodopseudomonas viridis 1413
  - proteins, photosynthesis, characterization, Rhodopseudomonas sphaeroides 3947.
  - proteins, purification, role, photosynthesis, Rhodopseudomonas sphaeroides 3946.
- **Thymectomy,**
  - Bordetella pertussis vaccination, association, immune system, mice 6119.
  - chickens, effects on experimental infection, Mycoplasma synoviae 12052
  - rats, lymphocytes T, relationship, susceptibility, infection, Mycobacterium leprae 3218.
- **Thymidine,**
  - association, Mycobacterium leprae, , incorporation DNA 2701.
  - effects on phage λ replication, Escherichia coli 1663.
  - incorporation, Escherichia coli, Proteus mirabilis, Staphylococcus aureus, β-lactam antibiotics effects on 5101.
  - incorporation, Mycobacterium leprae DNA, macrophages, factors affecting 1884.
  - mutant, Pediococcus cerevisiae, reversion, isolation, characterization 8709.
  - uptake, assays, Mycobacterium leprae viability 4759
- **Thymidine phosphorylase,**
  - mechanisms, Escherichia coli 7570.
- **Thymidylate,**
  - phage Xp12 effects on Xanthomonas oryzae biosynthesis 8723
- **Thymidylate synthase,**
  - active sites, N.M.R., Lactobacillus casei 9737
  - fluorodeoxyuridylate complex, binding methylentetrahydrofolate polyglutamates, Lactobacillus casei 4022
  - 5-nitro-2'deoxyuridine 5'-phosphate inhibition, mechanisms, Lactobacillus casei 4938.
  - thyP3 gene, phage Φ3T, integration, Bacillus subtilis, transformation, gene mapping 1643
- **Thymine,**
  - effects on aflatoxin B1 Bacillus megaterium toxicity 4208.
  - Escherichia coli, catabolism, regulation 234.
  - Staphylococcus aureus nutrient requirements, media (culture) 7364.
  - starvation, Escherichia coli, cell division relationship DNA biosynthesis 8457.
  - uptake, metabolism, Pseudomonas aeruginosa 12430.
- **Thymocytes,**
  - immunosuppression, Vibrio cholerae enterotoxins, mice 5180.
- **Thyroid,**
  - bacteria infection, association, branchial cleft abscesses rupture, children, case reports 11895.
- **Thyroiditis,**
  - abscesses, Bacteroides corrodens, clinical aspects, case reports, children 13333
  - man, tuberculosis, diagnosis, pathology 11907.
  - Salmonella enteritidis, antibody response, man, case reports 5229.
- **Thyroxine,**
  - fever effects on serum levels, Escherichia coli endotoxins, rabbits 11511.
- **Tiamulin,**
  - antibacterial activity, Mycoplasma bovirhinis, Mycoplasma agalactiae subsp.bovis, Ureaplasma, Mycoplasma dispar, respiratory tract isolates 5098
  - resistant mutant, biochemical analysis, genetic analysis, Escherichia coli 12934.
- **Tibia,**
  - osteitis, association, syphilis, man, case reports 2153.
- **Ticarcillin,**
  - ± aminoglycoside antibiotics, prophylaxis infection, neutropenia, man 7119.
  - antibacterial activity, bactericidal activity, gram-negative bacteria 1707.
  - antibacterial activity, Pseudomonas aeruginosa 6797.
  - antibacterial activity, Pseudomonas, gram-negative bacteria, in vitro 356
  - antibacterial activity, Streptococcus pyogenes, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 1720
  - antibiotic resistance, Pseudomonas aeruginosa, antibacterial activity, cefsulodin, ceftazidime 5081
  - antibiotic sensitivity testing, gram-positive bacteria, Haemophilus influenzae, in vitro 9924.
  - antibiotic sensitivity testing, Pseudomonas aeruginosa, antibiotic resistance, pencillinase 3029
  - antibiotic synergism, cefoperazone, antibacterial activity, gram-negative bacteria 9933
  - +cefotaxime treatment, bacteria bronchopulmonary infection, man, association intensive care units 13117
- **Ticarcillin, (continued)**
  - +cefsulodin, antibacterial activity, Pseudomonas aeruginosa, Serratia marcescens, in vitro 359.
  - treatment, Pseudomonas aeruginosa infection, immunocompromised hosts, ticarcillin 3201.
  - treatment, Pseudomonas aeruginosa pneumonia, animal models 10315.
- **Ticaricillin,**
  - treatment, gram-negative bacteria infection, cancer patients 9296.
- **Tilapia mossambica,**
  - intestinal microflora, bacteria 12031.
- **Tilapia nilotica,**
  - intestinal microflora, Bacteroides, identification 6476.
- **Time,**
  - effects on, soil microorganisms, growth, nitrogen cycle 5527.
  - Escherichia coli growth rate, factors affecting competition 9663.
  - inoculum size, effects on, Staphylococcus aureus, hemolysins, coagulase, release 2781.
  - lactation, man, effects on, breast milk, immunological aspects 8959.
  - retention, proteins biodegradation, continuous culture 10994.
- **Tin,**
  - bacteria resistance, rivers sediments isolates, polluted environments 8860.
  - methylation, estuarine organisms 9643.
  - organic compounds, inorganic compounds, antimicrobial activity, Pseudomonas aeruginosa, estuaries isolates 8833.
  - toxicity, estuaries microorganisms, factors affecting 7868.
- **Tine test,**
  - diagnosis, tuberculosis, comparison, Tuberculine Monotest, children, man 3335.
  - man, public health, reviews 13345.
  - technology, characterization 10483.
- **Tinea pedis,**
  - association, Staphylococcus aureus, toe microflora, man 9074.
- **Tinidazole,**
  - antibacterial activity, anaerobic bacteria 10036.
  - antibacterial activity, Bacteroides fragilis, clinical isolates 11457.
  - effects on, Bacteroides fragilis, Haemophilus vaginalis, morphology 9609.
  - irrigation, prophylaxis, postoperative infection, digestive tract, man 10382.
  - pretreatment, postoperative infection, anaerobic bacteria, colon, surgery, man 2230.
  - prophylaxis, postoperative infection, abortion, man 11794.
  - prophylaxis postoperative infection, anaerobic bacteria, effects on intestinal microflora, man 10286.
  - prophylaxis, postoperative infection, digestive tract, man 10381.
  - prophylaxis, postoperative infection, endometritis, abortion, man 11801.
  - prophylaxis, postoperative infection, hysterectomy, man 5374.
  - prophylaxis, postoperative infection oral microflora, dental manipulation, man 11893.
  - treatment, man, infection, anaerobic bacteria 11890.
  - treatment, respiratory tract infection, anaerobic bacteria, man 11709.
- **Tipula paludosa,**
  - milky disease, bacteria isolation, ultrastructure 5490.
- **Tissue culture,**
  - heart, adherence, adherence, gram-negative bacteria, gram-positive bacteria, animals 2621.
  - hepatoma, bacteria endotoxins, localization reticuloendothelial system 11570.
  - morphology, function, enterotoxins effects on, Clostridium difficile, HeLa cells association 7899.
  - Nicotiana tabacum, hairy root, Agrobacterium rhizogenes, pathogenicity, role, plasmids 4612.
- **Tissues,**
  - bacteria, infection, diagnosis, man 4507.
  - cefotaxime concentration, treatment, genital tract infection, man 2094.
  - Chlamydia infection, hemagglutinins, isolation, characterization 4260.
  - cytopathology, Crohn's disease, ulcerative colitis, cytotoxins, association, Clostridium difficile, man 12991.
  - damage, Salmonella typhosa endotoxins, rats 7898.
  - Insecta, plants, enzyme-linked immunosorbent assay, Spiroplasma citri, detection 8899
  - man, antibiotic 6059-S concentration, treatment, biliary tract diseases 2046.
  - Mytilus edulis, assays, Escherichia coli 3584.
  - pathology, Streptococcus pneumoniae infection 6918.
  - penetration, cefsulodin, treatment, Pseudomonas aeruginosa, infection, man 363.
  - respiration, rabbits trachea organ culture, Bacteroides fragilis 7466.
  - specificity, Streptococcus group D, biological properties 13016.
- **TM antigen,**
  - Leptospira, inhibition, antisera antibacterial activity 8944.
- **Tobacco,**
  - in vitro effects on, Streptococcus mutans, Streptococcus sanguis, association periodontal diseases 7857.
- **Tobacco mosaic virus,**
  - ± Pseudomonas syringae, Nicotiana tabacum secondary infection, disease resistance, role leaves proteins 8144.
  - Zanardinia prototypus, Cystoseira balearica, Lophocladia lallemandii, antimicrobial activity, Sicily 1767.
- **Tobacco necrosis virus,**
  - incidence, Prunus avium, Czechoslovakia 1138.
- **Tobramycin,**
  - antibacterial activity, antibiotic resistance, gram-negative bacteria clinical isolates 4168
  - antibacterial activity, clinical isolates, 5056.
  - antibacterial activity, digestive tract microflora, mice 10640.
  - antibacterial activity, Salmonella, Proteus, Erwinia 6783.
  - antibacterial activity, structure-activity relationships 11394.
  - antibiotic resistance, Enterobacteriaceae, nosocomial environments isolates, role, R factors 5956.
  - antibiotic resistance, gram-negative bacteria, hospitals, Canada 1753.
  - antibiotic resistance, Staphylococcus aureus, infection, man, hospitals, incidence 392.
  - antibiotic sensitivity testing, bacteria 320.
  - antibiotic synergism, azlocillin, mezlocillin, antibacterial activity, Pseudomonas aeruginosa 9968.
  - antimicrobial activity, reviews 5907.
  - ± azlocillin, antibacterial activity, clinical isolates, Pseudomonas aeruginosa, Streptococcus faecalis 7765.
  - ± carbenicillin, ± cephalosporins, treatment, Providencia stuartii experimental infection, mice 8054
  - ± cefotaxime, moxalactam, serum bactericidal activity, Pseudomonas

Tobramycin, (continued)
aeruginosa, Staphylococcus aureus, man 313
+clindamycin, treatment, peritonitis, children 5404
R factors transduction, Pseudomonas aeruginosa, conjugation, phages 11295.
penicillins treatment, cystic fibrosis, Pseudomonas aeruginosa infection, man 12026
+penicillins, treatment, Pseudomonas aeruginosa, respiratory tract infection, cystic fibrosis, man 11712
Pseudomonas aeruginosa antibiotic resistance, purification, characterization, aminoglycoside acetyltransferase, aminoglycoside adenyltransferase 7826
resistance, association, modification enzymatic, Pseudomonas aeruginosa, Enterobacteriaceae 12678
Salmonella, antibiotic resistance 9996
Staphylococcus aureus, antibiotic resistance 11441
topical application, treatment, eye infection, bacteria, man 5397
treatment, arthritis, Mycoplasma pulmonis, experimental infection, mice 2396
treatment, endocarditis, Actinobacillus actinomycetemcomitans, man, case reports 2183
treatment, Pseudomonas aeruginosa, gram-negative bacteria, pneumonia, nosocomial infection, man 5294
treatment, Pseudomonas aeruginosa keratitis, animal models 7118
treatment, Pseudomonas aeruginosa keratitis, animal models, man 13318.
treatment, Pseudomonas aeruginosa pneumonia, animal models 10315.
treatment, Pseudomonas, infection, man 3464
treatment, respiratory tract infection, Staphylococcus aureus, Pseudomonas aeruginosa, children 10345

α-Tocopherol,
effects on endotoxins acute toxicity, Salmonella, mice 6009
+retinol, treatment, acne, Propionibacterium acnes, man 1938.

α-Tocopherolquinol,
content, bacteria 12738

α-Tocopherolquinone,
content, bacteria 12738

Toe,
microflora, Staphylococcus aureus, association, tinea pedis, man 9074.

Togatose kinase,
purification, characterization, Mycobacterium butyricum 3986.

Togo,
cattle, brucellosis, serological surveys 13376.

Toluidine blue O,
pH, light, effects on, antibacterial activity, Escherichia coli 10051.

Tomatidine,
conversion, microorganisms 231.

Tomatine,
conversion, Nocardia restrictus 231.
Nocardia restrictus, degradation 3835

Tomato bushy stunt virus,
incidence, Prunus avium, Czechoslovakia 1138.

Tomatos,
canned food, Clostridium botulinum metabolism, Bacillus licheniformis effects on 9424

Tongue,
animal models, bacteria colonization, relationship, keratinization 5476.
tuberculosis, man, case reports 13095.

Tonsil,
abscesses, treatment, children, case surveys 6199.
infection, Actinomyces, yeasts, molds, histopathology, man 10318.
josamycin antimicrobial activity, association, oral administration, man 10455
pigs, association, Yersinia enterocolitium, isolation methodology comparison 8264
pigs, normal subjects, isolation, Yersinia enterozolitica, Yersinia pseudotuberculosis, seasonal variations 9358.
syphilis, man, Treponema pallidum 11858.
tuberculosis, man, case reports 10353

Tonsillitis,
anaerobic bacteria, role, children 1983
bacteria, diagnosis, treatment, dogs 7247.
diagnosis, Gram stain, man 3329
man, treatment, tonsils abscesses 9094
Neisseria meningitidis, treatment, rifamycin, man, case reports 791
pneumonia, cervix, , infection, bacteria, treatment, cefotiam 3344
prophylaxis, immunostimulation aerosols, man 4319.
recurrent infection, isolation, anaerobic bacteria, aerobic bacteria, children 1989
Streptococcus, immune response, man 779.
Streptococcus, treatment, bacampicillin, penicillin V, amoxicillin, man 13122.
Streptococcus, treatment, man 13135
treatment, cefadroxil powder, children 1007
treatment, cefotiam, children 1025.

Tonsils,
abscesses, treatment, man, tonsillitis 9094
relationship respiratory tract infection, children 9097.

Tooth,
bacteria, infection, prophylaxis, adolescence, children, man 4368.
Streptococcus mutans, dental plaque, incidence, man, orthodontics, equipment, relationship 4378.

Toothbrushing,
effects on dental caries, children 714.
fluoride, effects on, dental caries, man 1957.

Topical application,
Actinac, treatment, acne, man 3282.
cotrimoxazole, antibacterial activity, burn infection isolates, in vitro 1763.
erythromycin, treatment, acne, man 3283.
inactivation bacteria, induction, immune response, treatment, skin infection, animal models 7934.
iodine, chlorhexidine, sodium fluoride, effects on dental caries, oral microflora, rats 1962.
neomycin+polymyxin, treatment, Pseudomonas aeruginosa, infection, ear, man 3336.
povidone iodine, prophylaxis, postoperative infection, bacteria, man 3543.
retinoic acid derivatives, treatment, acne, man 1933.
tetracycline, clindamycin, acne, treatment, man 682.
tobramycin, gentamicin sulfate, treatment, eye infection, bacteria, man 5397.
treatment, Chlamydia trachomatis, infection, rifampicin, chlortetracycline, eye, man 3445.
zinc chloride, treatment, tetanus, Clostridium perfringens, case reports, man 7134.

Topical applications,
erythromycin, treatment, acne, man 11662

Topography,
LamB gene proteins phage λ receptors, outer membranes, Escherichia coli 8526.
phospholipids, Rhodopseudomonas sphaeroides photosynthesis membranes 1568.
reaction centers polypeptides, Rhodopseudomonas sphaeroides 1414.

Topology,
plasmids DNA, role, biological properties 5893.
rRNA 16S, ribosomal subunit 30S, Escherichia coli 6584.

Toromycin,
Streptomyces collinus subsp.albescens, biosynthesis, chemical composition 290.

Torticollis,
presentation, spine osteomyelitis, man 10527.

Torulopsis glabrata,
fatty acids biodegradation 226.

Torulopsis pintolopesii,
movement rates, small intestine epithelium, gnotobiotics (germfree) cells effects on, mice 10724.

Toxemia,
peritonitis, metabolic disorders, man 13289

Toxic epidermal necrolysis,
Staphylococcus aureus, circumcision complications, antibiotics treatment, neonates, man 11676.
Staphylococcus aureus, diagnosis, treatment, man, case reports 3284.
Staphylococcus aureus, etiology, man 7963.
Staphylococcus, relationship, Stevens-Johnson syndrome, man 4475.

Toxic shock syndrome,
adult respiratory distress syndrome, case reports, man 6229.
antibiotics, use, prophylaxis, recurrent infection, man, USA 11490.
assocation, tampons, man, case reports 5402.
association, Staphylococcus aureus, exotoxins, man, reviews 3499.
association, Staphylococcus aureus, hemolysins, activity, characterization 11524.
association, systemic lupus erythematous, differential diagnosis, clinical aspects, man 11521.
association, tampons use, psychological aspects, man, adolescents 10127.
case reports, tampons association, man 12975.
clinical aspects, pathology, man, case surveys, USA, Minnesota 10116.
clinical isolates association, Staphylococcus aureus, enzymes activity, exotoxin C production, man 9785.
clinical isolates, Staphylococcus aureus, epidermal toxins production, man 10077.
clinical isolates, Staphylococcus aureus, pathogenicity, exotoxins production, genetic control 9840
comparison, gonorrhea, Neisseria gonorrhoeae virulence, adolescents, man 10441.
differential diagnosis, measles vaccination side effects, adolescents, case reports 5321.
Enterobacteriaceae, tampons biodegradation, man 13270.
epidemiology, man 10122.
epidemiology, statistical analysis methodology, man, USA 10121.
gram-positive bacteria, man, case reports 7120.
immunity, antibody response, man 10243.
incidence, association, publicity, man, USA, Wisconsin 10100
incidence, man, Staphylococcus aureus isolation, exotoxin C production, conferences 10839.
incidence, seasonal variations, factors affecting, man, USA 10118.
incidence, statistical analysis, man, USA, Wisconsin 10105.
man, association, in vitro, tampons interaction Staphylococcus aureus, growth, toxins production 9662.
man, association intrauterine devices 12989.
man, association sinus infection 11943.
man, association, stings, Hymenoptera, Staphylococcus aureus 11495.
man, case reports 7212.
man, clinical isolates, Staphylococcus aureus, enterotoxin F production, isolation, antibody response 10129.
man, etiology, epidemiology, pathogenesis 12988.
man, USA, incidence 10104.
negative relationship, menstruation, man 10098.
pathology, clinical aspects, antibody response, staphylococcus enterotoxins, man 10113.
pathology, clinical aspects, man 995.
pathology, man, case surveys 10115.
psychological aspects, neurological complications, man, case surveys 10117.
publicity, relationship, tampons use, man, adolescents 10128.
relationship, Staphylococcus aureus adherence, vagina, leukocytes (neutrophilic) bactericidal activity, man 3390.
risk factors, association, catamenial products use, health, hygiene, sexual behavior, man 10125.
risk factors, man, USA, Oregon 11489.
risk factors, statistical analysis, man, USA 10107.
risk factors, statistical analysis, man, USA 10120.
role Staphylococcus aureus, case reports, man 8032.
Staphylococcus aureus association, exotoxin C production, purification, characterization 10078.
Staphylococcus aureus association, phage typing, incidence, man 9575.
Staphylococcus aureus, association, postparturition, case reports, man 9150.
Staphylococcus aureus, association, tampons, case reports, man 8004.
Staphylococcus aureus, association tampons, man, case reports 7115.
Staphylococcus aureus, case surveys, man, USA, Iowa 7184.
Staphylococcus aureus, clinical aspects, diagnosis, treatment, man, reviews 10079
Staphylococcus aureus, clinical aspects, man 4510.
Staphylococcus aureus, clinical aspects, man, case surveys 11864.
Staphylococcus aureus, clinical aspects, pathology, treatment, adolescence 11520.
Staphylococcus aureus, diagnosis, clinical aspects, man, case reports 7036.
staphylococcus aureus, effects on, cardiac muscle, association, electrocardiogram 8010.
Staphylococcus aureus, incidence, man, British Isles 10131.
Staphylococcus aureus, incidence, man, Canada 10099.
Staphylococcus aureus, man, case reports 8078
Staphylococcus aureus, man, reviews 10112.
Staphylococcus aureus phage typing, man 9565.
Staphylococcus aureus, tampons, case reports, man 9149.
Staphylococcus aureus, tampons, man 8030.
Staphylococcus aureus, toxins, clinical aspects, treatment, man, case reports 486.
Staphylococcus aureus, toxins, vagina, man 1018.
Staphylococcus aureus, transmission, association, hypocalcemia, man, case reports

Toxic shock syndrome, (continued)
2067
staphylococcus aureus, ultrasonography, liver, case reports, man 6320.
Staphylococcus, incidence, association, tampons, case surveys, man, 3377.
Staphylococcus, presentation, renal failure, treatment, man 4527.
Staphylococcus, treatment, diagnosis, man 7033.
surveillance, incidence, man, USA, Minnesota 10102
surveillance, incidence, man, USA, Utah 10133.
Toxicity,
Actinobacillus actinomycetemcomitans toxins, leukocytes (polymorphonuclear), role, periodontitis, man 5171.
adenine, Escherichia coli, mechanisms 6528
aflatoxin B1, Bacillus megaterium, thymine, cytosine, orotic acid, effects on 4208
aromatic compounds, biodegradation, bacteria, Rhodotorula 3854.
Bacillus thuringiensis δ-dendotoxin, stability, use biological control, larvae, Culicidae 12974
Bacillus thuringiensis δ-endotoxin, hemolymph, histopathology, Pieris rapae, Lymantria dispar, Ephestia cautella 10095
Bacillus thuringiensis var. kurstaki, nontarget organisms, Apanteles glomeratus, Pimpla turionellae 9385.
Bacillus thuringiensis var.kurstaki toxins, purification, characterization, Trichoplusia ni, Aedes taeniorhynchus 7895.
bacteria toxins, conferences 12196.
bioassays, spores, crystals, Bacillus thuringiensis, Ostrinia nubilalis 7897.
Bordetella pertussis, characterization, hamsters cells 6869.
Bordetella pertussis histamine sensitization factors effects on heart, vaccines, rats 6092
Bordetella pertussis vaccination, polymyxin B effects on 3256
botulism, stimulation aminoglycoside antibiotics, children, case reports 6914.
cadmium, Pseudomonas aeruginosa, Aeromonas, adaptations 447
cadmium, Staphylococcus aureus, cysteine, sodium selenite, effects on 443.
carbaryl, Escherichia coli, Streptococcus faecalis, Salmonella typhimurium, Staphylococcus aureus, indicator species 5144.
ceftazidime, antibacterial activity, antibiotics treatment, immunosuppression, pharmacokinetics, conferences 5549.
Clostridium botulinum toxins, mice 6022
Clostridium botulinum type toxins, juveniles, mice 6007.
Corynebacterium parvum vaccination, bronchus carcinoma, man 11635.
endotoxins, Bacillus thuringiensis, Insecta 8872.
enterotoxins, Escherichia coli, man, reviews 3132
Erwinia herbicola, Citrobacter freundii, Agrobacterium, lipopolysaccharides 5176.
Escherichia coli hemolysins 11479.
exotoxins, Bacillus thuringiensis, Agrotis ipsilon, Spodoptera frugiperda, Ostrinia nubilalis 7892.
fortimicin, aminoglycoside antibiotics 311.
herbicides, inhibition nitrification, soil microorganisms 6420.
injection effects on, diphtheria toxins, association, proteins, animals, Corynebacterium diphtheriae, cytotoxicity, cell lines 10088
iodine, bactericidal activity, wound infection, man 10524.
leucine, acetohydroxy acid synthase, Escherichia coli, leucine resistant mutant, characterization 5757.
lipopolysaccharides, Neisseria gonorrhoeae, host specificity, association, oviduct mucosa, man 10124
Lolium rigidum, Corynebacterium, Anguina funesta vectors, biological control, Dilophospora alopecuri 5164.
Lolium rigidum, parasitism, Anguina agrostis, Corynebacterium rathayi, sheep grazing, kidney pathology 8879.
Lotus pedunculatus flavolan, effects on Rhizobium 13491.
mechanisms, Escherichia coli colicins, reviews 11505
Salmonella wien enterotoxins, cell culture, rabbits 12982.
spores, spore crystals, Bacillus thuringiensis, Ostrinia nubilalis 8125.
Staphylococcus enterotoxin A, histidine carboxymethylation inactivation 8871.
Staphylococcus, leukocidin, toxins, structure, reviews 7881.
tin, estuaries microorganisms, factors affecting 7868.
Toxicity testing,
aromatic amines, derivatives, DNA fragmentation, mutagenicity, Salmonella typhimurium, carcinogenesis, mice, rats 4094.
avermectins, anthelminthic agents, insecticides, acaracides, Streptomyces 6006.
carcinogens, mutagenesis, bacteria, reviews 5827.
cefazolin, Staphylococcus aureus, endophthalmitis, rabbits, animal models 11873.
endotoxemia, Limulus lysate test 12969.
hepatoma cell culture, Mycoplasma arginini contamination effects on 12226.
methodology, agar plate counts, bacteria 5959.
mutagenesis, bacteria, role tumorigenesis mammalian cells 5569.
Pseudomonas fluorescens, pentachlorophenol, tetrachlorophenol 10870.
Toxigenicity,
association, agglutination, sorbitol fermentation, Clostridium difficile 6057.
Bacillus niger var.niger, storage effects on 12966
clinical isolates, association animal cells, Staphylococcus coagulase test negative 5992.
Clostridium difficile, isolation, feces, children, man 7008.
Escherichia coli, incidence, man, Philippines, antibiotics effects on 991
staphylococcus aureus, clinical isolates, enterotoxins 8877
Vibrio cholerae, clinical isolates, water isolates 12249
B-Toxin,
biosynthesis, characterization, Clostridium haemolyticum 11485.
α-Toxin,
mechanisms activity, Staphylococcus aureus 11504.
Staphylococcus aureus, formation, association, protein biosynthesis 6602.
Staphylococcus aureus, immunosuppression, leukocyte migration, leukocytes (neutrophilic) 5232.
Staphylococcus aureus, purification, physicochemical properties, effects on liposomes membranes 5172.
Staphylococcus aureus, stimulation, leukocytes, detection, chemiluminescence 10101.
β-Toxin,
clostridium perfringens type C, effects on blood pressure, rats 6013.
γ-Toxin,
Staphylococcus aureus, γ radiation, heat, effects on 3123
Toxin A,
Clostridium difficile, effects on cecititis, hamsters 6866
Toxin B,
Clostridium difficile, effects on cecititis, hamsters 6866.
Toxin C,
Clostridium botulinum, susceptibility, chickens 5165
Toxinogenicity,
Vibrio cholerae, Ostrea isolates 465.
Toxins,
Actinobacillus actinomycetemcomitans, leukocytes (polymorphonuclear) cytotoxicity, man 3148.
Actinobacillus actinomycetemcomitans, toxicity, leukocytes (polymorphonuclear), role periodontitis, man 5171.
ADP-ribosylation tubulin, Vibrio cholerae 11515.
Bacillus anthracis, components, characterization, effects on, eukaryotes 7886.
Bacillus anthracis, isolation, pathophysiology, Primates, rats, reviews 6861.
Bacillus cereus, characterization, reviews 1802.
Bacillus thuringiensis subsp.kurstaki, Bacillus thuringiensis subsp.israelensis, detection, assays, enzyme-linked immunosorbent assay 5150.
Bacillus thuringiensis var.kurstaki, purification, characterization, toxicity Trichoplusia ni, Aedes taeniorhynchus 7895.
bacteria, characterization, reviews 11503.
bacteria, food poisoning, epidemiology, man 7890.
bacteria, lethal levels, reviews 6014.
bacteria, pathology, Insecta 8883.
bacteria, purification, assays, in vivo effects on, antigenic characteristics, conferences 10831.
bacteria, toxicity, characterization, conferences 12196.
binding gangliosides effects on quaternary structure, fluorescence, conformational analysis, Vibrio cholerae 11481.
biodegradation, bacteria 9641.
biosynthesis, genetics, localization, bacteria, reviews 6714.
byssinosis, gram-negative bacteria, occupational exposure, Gossypium, man, reviews 9121.
catalysts, ADP-ribosylation, proteins, Vibrio cholerae 10072.
cholera, subunits, amino acid sequence 4229.
Clostridium botulinum, assays, botulism, infants, man 3414.
Clostridium botulinum, biosynthesis, growth, antibacterial activity, phenols, antioxidants, preservatives 5964.
Clostridium botulinum, biosynthesis, slurries, pigs 1796.
Clostridium botulinum, characterization, reviews 7885.
Clostridium botulinum, Clostridium tetani, effects on acetylcholine, calcium transport, brain, rats 6010
Clostridium botulinum, Clostridium tetani, effects on neurotransmitters, brain, spinal cord, rats 497.
Clostridium botulinum, detection, feces, botulism diagnosis, Anas 2366.
Clostridium botulinum, effects on nerves growth, muscles, mice 479.
Clostridium botulinum, heat inactivation, beef, mushrooms 5160.
Clostridium botulinum, monoclonal antibodies, enzyme-linked immunosorbent assay, antigenic determinants, neutralization 10067.
Clostridium botulinum, Staphylococcus aureus, gram-negative bacteria, food poisoning, epidemiology, sanitation, man 10097.
Clostridium botulinum, toxicity, mice 6022.
Clostridium botulinum type A, biosynthesis, iron effects on 4750.
Clostridium botulinum type A, Clostridium botulinum type B, biosynthesis, growth, cheese 5154.
Clostridium botulinum type A, detection, immunodiffusion 3122.
Clostridium botulinum type C, Clostridium tetani, effects on, choline uptake, in vitro, brain, rats 3134.
Clostridium botulinum type E, characterization, fishery products contamination, books 13535.
Clostridium botulinum type, toxicity, juveniles, mice 6007.
Clostridium botulium, type G, detection, enzyme-linked immunosorbent assay 3121.
Clostridium difficile, assays, mice, neonates 5148.
Clostridium difficile, association, pseudomembranous colitis, man, reviews 6015.
Clostridium difficile, characterization 5998.
Clostridium difficile, cytopathogenesis, association diarrhea, children man 6017.
Clostridium difficile, detection, counter immunoelectrophoresis 1794.
Clostridium difficile, detection, counter immunoelectrophoresis 4222.
Clostridium difficile, detection, cytotoxicity, comparison, counter immunoelectrophoresis 6855.
Clostridium difficile, diarrhea, colitis, antibiotics association, man 498.
Clostridium difficile, diarrhea, complications, inflammatory bowel diseases, man 11493.
Clostridium difficile, feces, pseudomembranous colitis, association, diarrhea, man 3351.
Clostridium difficile, immunochemistry 5155.
Clostridium difficile, isolation, purification, characterization 1805.
Clostridium difficile, pseudomembranous colitis, clindamycin metabolites role pathogenesis, hamsters 11491.
Clostridium difficile, Pseudomembranous colitis, diagnosis, man 10110.
Clostridium difficile, pseudomembranous colitis, man 8887.
Clostridium difficile, pseudomembranous colitis, man 10089.
Clostridium difficile, pseudomembranous colitis, man, reviews 8889.
Clostridium difficile, pseudomembranous colitis, pathogenesis, man 10092.
Clostridium difficile, pseudomembranous colitis, pathogenesis, association, antibiotics, man 11496
Clostridium difficile, role, antibiotics effects on diarrhea, children 7893.
Clostridium difficile, role, inflammatory bowel disease, man 2022.
Clostridium difficile, role, inflammatory bowel disease, man 2023.
Clostridium tetani, antibodies+blocking antibody, man 4323.
Clostridium tetani, experimental infection, activity patterns, cerebellum, spinal cord, rabbits 485
Clostridium tetani, fragments, binding brain membranes, rats 10094.
Clostridium tetani, localization, spinal cord, animal models 476.
Clostridium tetani, receptors, mice, cerebellum, expression, localization 8932.
Clostridium tetani, receptors, neurons development, brain, mice 11498.
Clostridium tetani, tetanus, effects on nerve transmission, mice 10087.
Clostridium tetani, tetanus, immunity, man, India 5223.
Clostridium tetani, vaccination, relationship, antibodies induction immunosuppression, infants, man 1914.
conformational analysis, molecular weight, Clostridium tetani 5153.
Corynebacterium diphtheriae, diphteria, binding, adenyl-(3',5')-uridine 3'-monophosphate, isolation 4228
Corynebacterium diphtheriae, effects on hepatocytes, rats 1827.
Corynebacterium diphtheriae, effects on lysosomes transport 1818.
Corynebacterium diphtheriae, effects on reticulocytes, rabbits 10080.
Corynebacterium diphtheriae, enzyme-linked immunosorbent assay mutants, antigens, detection, enzyme-linked immunosorbent assay, plaque assay 5006.
Corynebacterium diphtheriae, fragment B, amino acid sequence, interaction lipid bilayers 11478.
Corynebacterium diphtheriae, immunosuppression, cytotoxicity, monoclonal

Toxins, (continued)
antibodies 6910
Corynebacterium diphtheriae, inhibition, Saccharomyces cerevisiae spheroplasts protein biosynthesis 6004
Corynebacterium diphtheriae, mutants, biosynthesis, iron, effects on 3130.
Corynebacterium diphtheriae, operons, localization, restriction endonuclease mapping, phage B DNA 1637
Corynebacterium diphtheriae, receptors binding, role ATP 10083.
Corynebacterium diphtherias, cytotoxicity, lysine polymers effects on 10076.
Corynebacterium rathayi infection Lolium rigidum, isolation, effects on nervous system, rats, sheep 8892
Corynebacterium rathayi, isolation, contamination, Lolium rigidum 2964.
diphtheria, association, proteins, injection effects on toxicity, animals, Corynebacterium diphtheriae, cytotoxicity, cell lines 10088
diphtheria, peptides, immunization, adjuvanticity 11641
effects on lysosomal enzymes, mice skeletal muscle 6860
epidermal, production, Staphylococcus aureus, toxic shock syndrome clinical isolates, man 10077
Escherichia coli, association, mastitis, cattle 4567
Escherichia coli, biosynthesis 1800.
isolation, bacteria, peritonitis, experimental infection, dogs 1821
Legionella, characterization, reviews 5157
microorganisms, nomenclature, reviews 7882.
Mycoplasma neurolyticum, role pathogenicity 10119
production, association, Clostridium difficile, isolation, identification 8255.
production, Bacillus anthracis, strains, comparison 468.
production, Clostridium botulinum, association vascular permeability factor 6000.
production, Clostridium botulinum, growth, growth conditions 8873
production, Clostridium botulinum, pork slurries, sodium chloride, sodium nitrite, sodium nitrate, sodium isoascorbate, polyphosphate, temperature effects, effects on 474
production, pseudomembranous colitis, association, Clostridium difficile, man 7005
production, Pseudomonas syringae pv.glycinea, Glycine wightii isolates 6858.
production, Staphylococcus aureus, clinical Isolates 473.
production, Staphylococcus aureus, interaction, tampons, in vitro, association, toxic shock syndrome, man 9662
production, Staphylococcus aureus, plasmids genetic analysis 1679.
Pseudomonas phaseolicola, purification, methodology 3118.
Pseudomonas tabaci, wildfire, inactivation, glutamine synthetase, chlorosis, leaves, Nicotiana tabacum 3138.
purification, spores, Bacillus sphaericus 11487
role, competition, bacteria, fungi, protozoa 6405
Salmonella, biosynthesis, relationship, phages 4122.
scarlet fever Streptococcus group A effects on reticuloendothelial system, rabbits, mice 7900
Staphylococcus, antibodies, abdomen, infection, man 558.
Staphylococcus aureus, biosynthesis relationship antibiotic resistance 1798.
Staphylococcus aureus, toxic shock syndrome, clinical aspects, treatment, man, case reports 486.
Staphylococcus aureus, toxic shock syndrome, vagina, man 1018.
Staphylococcus, production, fermentation 12968.
Staphylococcus, role, toxic shock syndrome, man, case surveys 10115.
Staphylococcus, structure, toxicity, reviews 7881.
subunit structure, binding ganglioside Gm1 receptors, phospholipids vesicles models membranes, quasielastic light scattering 7888
tetanus, associations, neuromuscular junctions blocking 10093.
tetanus, cholera, transport pathway, cell membranes invaginations 6018.
tetanus, wound infection, effects on, muscles, histochemistry, man, case reports 1822
variants, Clostridium botulinum, clinical isolates, botulism, infants, man 3140.
vesicles, receptors, ganglioside Gm1, binding, phospholipids vesicles models membranes, quasielastic light scattering 7888.
Vibrio cholerae, activation, adenylate cyclase, animal models, disease resistance, cholera, mice 6872
Vibrio cholerae, activation, adenylate cyclase subunits 1813
Vibrio cholerae, binding gangliosides penetration liposomes 6857.
Vibrio cholerae chemical modification membrane proteins regulation GTP 6859.
vibrio cholerae, Clostridium tetani, hydrophobic 1810.
Vibrio cholerae, competition, γ-interferon, binding, receptors, α-interferon, β-interferon 8886.
Vibrio cholerae, effects on cyclic AMP levels, rats liver epithelium 10132.
Vibrio cholerae, effects on epithelium intestine, electrolyte balance, rabbits 12978.
vibrio cholerae, effects on functional morphology, rabbits 478.
Vibrio cholerae, effects on gnotobiotics (germfree) rabbits 1825.
Vibrio cholerae, effects on mucin secretions, guinea-pigs 3146.
Vibrio cholerae, effects on natural killer cells activity, mice 4243.
Vibrio cholerae, immunization, immune response memory cells, mucosa, rats 7960.
Vibrio cholerae, induction, cyclic AMP accumulation, intestine, rats, loperamide effects on 5178.
Vibrio cholerae, interaction adenylate cyclase, plasma membranes, erythrocytes 6003
Vibrio cholerae, interaction gangliosides 5182.
Vibrio cholerae, intestine secretions, pathogenesis, nerves, role 487.
Vibrio cholerae, reaction mechanisms, reviews 480.
Vibrio cholerae, reviews 11483.
Vibrio cholerae, stimulation, cyclic AMP accumulation, glia tumor cells, calcium effects on 5169.
Vibrio fluvialis, detection, characterization 4235.
Yersinia pestis, characterization 1807.

Toxoids,
Clostridium haemolyticum, experimental infection, immune response, cattle 1831.
Clostridium perfringens, vaccination, juveniles, sheep 7958.
Clostridium tetani, antibody response, activation, enzyme-linked immunosorbent assay, detection 11602.
Clostridium tetani, antigenic determinants receptors lymphocytes T, proliferation 7950.
Clostridium tetani, coupling, Neisseria meningitidis polysaccharides, use, vaccines, vaccination, mice 5252.
Clostridium tetani, lymphocytes blastogenesis, man, diabetes mellitus 4321.
Clostridium tetani, monoclonal antibodies, production, lymphocytes B, transformed cells, Epstein-Barr virus 3166.
Clostridium tetani, reaction susceptibility, man 3258.
Clostridium tetani, vaccination, antibody response, man 5254.
Clostridium tetani, vaccination, association, lymphocytes inhibition antibodies

Toxoids, (continued)
biosynthesis, man 4333.
Clostridium tetani, vaccination, maternal transfer antigen-antibody complexes, guinea-pigs 9038.
Corynebacterium diphtheriae, Clostridium tetani, antibodies levels, multiple sclerosis, man 566
Corynebacterium diphtheriae, Clostridium tetani, immune response, man 634.
Corynebacterium diphtheriae, spleen, rabbits, immune RNA, antibody response, mice 11620.
enterotoxins, Escherichia coli, recombinants, plasmids, vaccines, gene mapping 2939.
Pseudomonas aeruginosa, immune response, immunoglobulin E, mice, characterization 7933.
Pseudomonas aeruginosa, immunoglobulin E antibodies production, mice 1891.
Staphylococcus, production, fermentation 12968.
tetanus, vaccination, hypersensitivity (delayed), case surveys, man 5259.
vaccination, diphtheria, antibodies levels, guinea-pigs 11645.

Toxoplasma gondii,
toxoplasmosis, immunosuppression, role, vaccination, Chlamydia, louping-ill virus, sheep 5262.

Toxoplasmosis,
Toxoplasma gondii, immunosuppression, role, vaccination, Chlamydia, louping-ill virus, sheep 5262.

TPHA test,
diagnosis, syphilis, man 934.
diagnosis, syphilis, man 11530.
syphilis, diagnosis, man 2141.

Trace elements,
drinking water, effects on, dental plaque, rats 732.
metals, effects on Streptococcus mutans growth, chemostats 3849.
nutrient requirements, vascular permeability factor biosynthesis, Vibrio cholerae 237.
nutrient requirements, Vibrio cholerae biosynthesis, vascular permeability factor 2847.
serum levels, man, leprosy 10294.

Trachea,
cells, mice, adherence, Streptococcus group B, mediation, influenza A virus 12396.
chickens, Escherichia coli, enumeration methodology 10869.
cilia, Haemophilus influenzae, lipopolysaccharides, effects on, rabbits, animal models 11751.
epithelium, Pseudomonas aeruginosa adherence, clinical isolates, hamsters 9583.
organ culture, ciliary movement, Mycoplasma effects on, chickens, mice 11704
turkeys, Alcaligenes faecalis, infection, symptoms, detection, electron microscopy 1104.
ventilation, complications, lung infection, Pseudomonas, Enterobacter, Klebsiella, man 771.

Tracheitis,
bacteria, pathology, treatment, man, case reports 769.

Tracheobronchitis,
Bordetella bronchiseptica, prophylaxis, parainfluenza virus, vaccination, dogs 3645.

Trachoma,
Chlamydia trachomatis, epidemiology, man 9276.
congenital infection, epidemiology, man, 13235.
incidence, Chlamydia trachomatis, blindness association, man, Papua New Guinea 8057.
pathogenesis, clinical aspects, diagnosis, man 9243.
treatment, erythromycin, tetracycline, man 2199.
treatment, tetracycline, comparison, erythromycin, children 13310.

Trachomonas vaginalis,
infection, man, sexually-transmitted diseases, drugs treatment, reviews 11859.

Trametes versicolor,
biodegradation, bis(tributyltin)oxide 2636.

Tranfusion,
leukocytes (granulocytic), treatment, bacteremia, man 10573.

Transcription,
Agrobacterium tumefaciens plasmid pTi DNA, Helianthus annuus crown gall isolates 4136.
association, malT gene expression regulation, Escherichia coli 12786.
Bacillus subtilis, mutants, genes, sporulation, nutrient availability, effects on 1613.
Bacillus subtilis, mutants, sporulation, RNA biosynthesis, genes, regulation 2874
cell-free system, biotin operon, gene regulation, Escherichia coli 11069.
chromatin mRNA, comparison RNA polymerase Escherichia coli, RNA polymerase II wheat germ 4823.
chromatin, RNA polymerase, nucleosomes, models, Escherichia coli 11082.
DNA, Agrobacterium tumefaciens, Ti plasmid, crown gall tumors 2905.
DNA, crown gall, homology, Agrobacterium tumefaciens, Nicotiana tabacum 5703.
DNA levels effects on, Escherichia coli 6583.
dnaA gene, dnaN gene, Escherichia coli 4974.
Escherichia coli, antibacterial activity, antibiotic 8006-I 11422.
Escherichia coli, chloramphenicol antibiotic resistance genes, phage P1CM effects on 10004.
Escherichia coli, modulation, cyclic AMP+catabolite activator protein 7502.
Escherichia coli recAgene mutants 255.
Escherichia coli, regulation, fatty acids, degradation, genetic analysis 2836.
Escherichia coli ribosomal proteins genes amber mutant, regulation 4982.
Escherichia coli, rrnB operon, termination sites, pausing sites 3892.
Escherichia coli, termination, nusA1 gene, nusB5 gene, mutants 5009.
Escherichia coli, transposons, ampicillin antibiotic resistance 9871.
Escherichia coli, tryptophan operon, regulation termination 6588.
exuR gene, regulation, Escherichia coli 11269.
galactose operon, insertion sequence 2 effects on, Escherichia coli 9821.
genes, pili, phase variations, operons fusion, control, transitions, Escherichia coli 5843.
genes, promoters, Bacillus subtilis, regulation, nucleotide sequence 1584.
histidine operon, Salmonella typhinurium 6694.
initiation mechanisms, use phage T7 DNA, RNA polymerase, Escherichia coli 4996.
initiation sites, deo operon, DNA nucleotide sequence, Escherichia coli 5845
initiation sites, phage Φ29 DNA, Bacillus subtilis, cell-free system 6587.
insertion sequence 5, Escherichia coli 9841.
Klebsiella pneumoniae, nif gene, nitrogen fixation 4794.
lex A gene, nucleotide sequence, Escherichia coli 4102.
mutation DNA, Ti plasmid, crown gall, characterization, Agrobacterium tumefaciens

Transcription, (continued)
5880
operons, phage λ N gene proteins effects on, association, binding, Escherichia coli nusA gene proteins 11302.
phage SPO1, Escherichia coli, protein biosynthesis, regulation, genes 5857.
phage SP01 promoters, binding RNA polymerase σ subunit Bacillus subtilis 2890
plasmids ColE1 DNA, RNA polymerase, DNA gyrase stimulation, role DNA supercoiling 8509
promoters, Escherichia coli, gpt gene, SV40, polyoma virus, transfection 12767
promoters, RNA polymerase, strands exchange, Escherichia coli 4820
promoters, transposon Tn10, Salmonella typhimurium 12752.
regions, localization, restriction endonuclease mapping, plasmid pRle1001a, bacteroids, Rhizobium leguminosarum 9908.
regulation, lac promoter, Escherichia coli 7647.
RNA, nucleoids, Caulobacter crescentus 8506
RNA polymerase initiation, phage T7, Escherichia coli 272.
RNA polymerase kinetics, comparison purines, pyrimidines, Escherichia coli 1451
termination, leucine operon, role, Escherichia coli 6702.
termination, tryptophan operon, Escherichia coli 11080.
Thermus thermophilus RNA polymerase, mechanisms 2719.
translation systems, isolation, Agrobacterium tumefaciens, comparison Escherichia coli 1440.
transposon Tn10, ilv operon, Salmonella typhimurium 12746
transposons, rrnX operon, polarity, transposon 9, insertion sequence 1 2722.
tryptophan operon, promoters regulation, Escherichia coli 7649
Transduction,
antibiotic resistance, methicillin, Staphylococcus aureus, relationship, transformation 1755.
antibiotic resistance, Staphylococcus aureus 8738.
Bacillus subtilis hisA gene, phage ρ11 12815.
Bacillus thuringiensis, phage Φ63, antibiotic resistance, gene mapping 1657.
Bacillus thuringiensis subsp.berliner, Bacillus cereus, phage CP-54Ber, phage CP-54, frequency, characterization 1647.
R factors, Pseudomonas aeruginosa, conjugation, phages 11295.
R factors, role phage λ transposon Tn3 replicons 8716.
Mycobacterium, lysogeny, mutagenesis, reviews 5830.
phage γ-tsr-1, Corynebacterium diphtheriae, excision, DNA hybridization, genetic analysis 1661.
phage AP, Pseudomonas aeruginosa, aminoglycoside antibiotics antibiotic resistance 10003
phage ΦCr30T, temperature-sensitive mutant, Caulobacter crescentus 2886.
phage J2, lysogeny, plaque formation, Salmonella typhi 4999.
phage Mu, interaction, Escherichia coli, DNA, replication 2885
phage P1, Escherichia coli, prophages, argF gene, gene products, characterization 7679
phage P1, prophages, R factor NR1, recombination 9872.
phage P22, chimeras plasmids, Salmonella typhimurium 5848.
phage SPP1, Bacillus subtilis, DNA characterization 1662.
phages, association, recombination, R factors, Staphylococcus aureus 12833.
phages, Staphylococcus aureus, mixed culture, transfer, antibiotic resistance 11427.
recE gene, phage λ, Escherichia coli, expression, phage P2 lysogeny 1646.
streptolysin S genes determinants, Streptococcus pyogenes 11279.
Transfection,
Bacillus subtilis, phage SPP1, magnesium effects on 1644
Bacillus subtilis, phages, DNA homology, restriction 7669.
Escherichia coli spheroplasts, phage Mu, DNA proteins complex 6729.
Nocardia, association, protoplasts development 6507.
phage T7 DNA, Escherichia coli 12822.
stem cells, plasmid pBR322, SV40, herpes simplex virus 1, deoxyribonuclease sensitivity 5863.
SV40, polyoma virus, Escherichia coli, gpt gene, promoters, transcription 12767.
Transfer,
Escherichia coli, Salmonella typhimurium, isolates, antibiotic resistance, R factors transfer 5113
R factors, antibiotic resistance, Ent plasmid, enterotoxins, Escherichia coli, . pigs animal isolates 5014.
R-factors, Escherichia coli, Salmonella, antibiotic resistance, oxytetracycline, streptomycin 2932.
genes, Streptococcus, characterization 5888.
genes, Streptococcus, reviews 5890
H2 plasmid, Escherichia coli, Salmonella typhimurium, intestine, juveniles, cattle 9897
hydrogen, Eubacterium limosum, Lachnospira multiparus, mixed culture, pectin, metabolism 2637
IncP-1 plasmid, Pseudomonas aeruginosa, gram-negative bacteria, frequency, insertion sequences, genetic analysis 2927.
pigments biosynthesis activity, antibiotic resistance, Serratia marcescens conjugation 9852.
plasmid pAS8Rep-1, transposon Tn7, Pseudomonas, killing 2913.
P plasmid, Rhizobium, Escherichia coli, frequency, maintenance 4132
plasmid RP4, Escherichia coli, Acinetobacter calcoaceticus, phage Mu, role, characterization 5852.
plasmid RP4, plasmid R388, inhibition, plasmid pAV2, Acinetobacter calcoaceticus 5882.
plasmids, antibiotic resistance, penicillin, tetracycline, Staphylococcus epidermidis, Staphylococcus aureus, characterization 3049
plasmids, antibiotic resistance, Streptococcus faecalis, stimulation, sex pheromone 2907.
plasmids, antibiotic resistance, streptomycin, drug resistance, sulphadiazine, Pasteurella multocida, Escherichia coli 3050.
plasmids, antibiotic resistance, tetracycline, erythromycin, clindamycin, Bacteroides fragilis, clinical isolates 3048
plasmids, Klebsiella pneumoniae, antigens biosynthesis 2930.
plasmids, F'lac factor, R factors, chlorpromazine effects on conjugation, pili, Escherichia coli 5971
plasmids, penicillinase, Neisseria gonorrhoeae, Haemophilus influenzae, Escherichia coli, transient survival 2912
RP4.:Mucts62 plasmid, Salmonella typhimurium, plasmids 1673
Transferrin,
association, immunoglobulin A, bacteriostasis, Escherichia coli, Pseudomonas aeruginosa 6099
levels, gingival fluid, blood, periodontal disease, man 5283
Salmonella paratyphi, iron uptake 3848
Transformation,
Actinomadura, Nocardiopsis, L form 10951.
Aeromonas hydrophila, liquid culture methodology 8257.
Agrobacterium tumefaciens plasmid Ti, crown gall, Nicotiana tabacum 12090.
antibiotic resistance, methicillin, Staphylococcus aureus, relationship, transduction 1755.
Bacillus cereus, quercitin 3846.
Bacillus stearothermophilus, plasmids DNA 5866.
Bacillus subtilis, DNA homology 2870.
Bacillus subtilis, drugs effects on recombination 12765.
Bacillus subtilis, Escherichia coli, plasmid pCS194, recombinants, maintenance, restriction-modification, gene mapping 2924.
Bacillus subtilis, genetic relationship, recombination, soil 12777.
Bacillus subtilis, magnesium effects on 1644.
Bacillus subtilis, phage Φ3T, integration, thyP3 gene, thymidylate synthase, gene mapping 1643.
Bacillus subtilis, use plasmid pUB110 12861.
Bacillus thuringiensis, plasmid pUB110 2920.
bacteriocins, Streptococcus sanguis, relationship 5900
1,5-benzodiazocine-2-nones 2-(acylamino-R-propyionylamido)-benzophenones, Actinomyces roseochromogenes, Actinomyces flavus, Streptoverticillium cinamoneum 4091
bile acids, Clostridium perfringens, in vitro 3863.
chemical modification, Rhodococcus amidophilus, saframycin, antitumor activity 7737.
dehydrogriseofulvin, stereoselectivity, Streptomyces 4758.
DNA, recombinants, plasmids, Escherichia coli, isolation 1669.
DNA uptake specificity, plasmids, Haemophilus 11324.
DNA, use cloning, Streptococcus pneumoniae 4968.
Escherichia coli, gpt gene, phenotypes expression, cell lines 7643.
Escherichia coli, plasmids, cold shock methodology 12831.
Escherichia coli R factors, antibiotic resistance 9880.
Escherichia coli, relationship plasmid pBR322 structure, DNA supercoiling 7646.
R factor RSF 0885 DNA, Haemophilus influenzae 5883.
genes, Rhodopseudomonas sphaeroides, use, plasmid pUI81 12854.
genetic analysis, Shigella flexneri 12802.
glycerol, dihydroxyacetone, immobilized cells, Gluconobacter oxydans 232.
gram-positive bacteria, gram-negative bacteria, reviews 8693.
Haemophilus influenzae, R factor RSF0885, recombination 2953.
Haemophilus influenzae, RSF0885, frequency 2954.
hemicellulose, association, yeasts, bacteria 8420.
immunomodulation, lymphocytes, man, association, bacteria products, leukocytes lysates 10201.
isobutyric acid, fungi, bacteria 214.
lymphocytes, Chlamydia trachomatis infection effects on, man, in vitro 601.
lymphocytes, Mycobacterium leprae, leprosy, man 898.
lymphocytes, Pseudomonas aeruginosa lipopolysaccharides effects on, association, infection, man 11601.
Neisseria gonorrhoeae, auxotrophs, prototrophs, genetic markers 1620.
Neisseria gonorrhoeae, plasmids, penicillin antibiotic resistance 5944.
Nicotiana tabacum protoplasts, Agrobacterium tumefaciens, crown gall tumors 9419.
nitric oxide, nitrous oxide, soil microorganisms, role, nitrogen soil loss 2453.
ordram, aquatic microorganisms 1393.
Paracoccus dentrificans, plasmid RPI 1684.
phytosterol, androsta 1,4-diene-3,17-dione, Arthrobacter simplex, characterization 11234.
plants protoplasts, plasmid Ti, Agrobacterium tumefaciens 12825.
Pseudomonas aeruginosa, Bacillus subtilis 8677.
Pseudomonas syringae, R factors 249
Rhizobium leguminosarum, nif gene plasmids gene expression association 11334.
Rhizobium leguminosarum, tryptophan 2735.
Rhizobium meliloti, plasmid pGV1106 6735.
Salmonella flagella filaments, mechanical stimuli induction 10938.
Staphylococcus aureus, competence factor, isolation, characterization, phage 80α lysates 259.
Staphylococcus aureus, competence factor isolation, phage 80α lysates 258.
Steptococcus pneumoniae, DNA effects on integration 6570.
Streptococcus pneumoniae, plasmids DNA, role nucleotide sequence homology 6739.
Streptomyces rimosus, 4-epi-cetocycline, 2-decarboxamido-2-acetyl-4-dedimethyl-9-methyltetracycline, antibacterial activity 7808.
Thermoactinomyces vulgaris, calcium, effects on 2884.
use plasmid pBR322 eukaryotes chimeras, Escherichia coli 5022.
warfarin, stereoselectivity, Nocardia corallina, Arthrobacter 5652.
Transformed cells,
Epstein-Barr virus, lymphocytes B, production, monoclonal antibodies, toxoids, Clostridium tetani 3166.
SV40, growth, diketopiperazines effects on 4158.
Transfusion,
leukocytes (polymorphonuclear) dispersal, guinea-pigs cornea, keratitis, association Pseudomonas aeruginosa, animal models 7943.
Transketolase,
Bacillus subtilis deficient mutant, catabolite repression effects on enzymatic synthesis 2805.
Translation,
association, cell membranes proteins insertion models 8536.
association, malT gene expression regulation, Escherichia coli 12786.
Bacillus subtilis, antibacterial activity, antibiotic 8006-I 11422.
bacteria, protein biosynthesis, role antibiotic resistance 5942.
cell-free system, ribitol dehydrogenase mRNA, Klebsiella aerogenes 11076.
Escherichia coli, association, gene lamB proteins secretion mechanisms 9693.
inhibition, ribosomal proteins binding ribosomal proteins mRNA, Escherichia coli 12542.
initiation sites, phage Φ29 DNA, Bacillus subtilis, cell-free system 6587.
phage Φ29, Escherichia coli, Bacillus subtilis 1457.
poly(A), poly(U), cell-free system, comparison eukaryotes, Escherichia coli 8495.
protein biosynthesis regulation, Escherichia coli adenosinetriphosphatase 12638.
rabbits reticulocytes cell-free system, comparison tRNA Lys isoacceptors activity, Bacillus subtilis 7509.
regulation, Escherichia coli ribosomes recognition sites, cloning, genetic engineering 12536
ribosomal protein L10, ribosomal protein L7/L12 mRNA, ribosomal protein L10 inhibition, Escherichia coli 7510.
ribosomes release factors effects on, Escherichia coli 3916.
RNA, nucleoids, Caulobacter crescentus 8506
mRNA, characterization, colicin A biosynthesis, Escherichia coli 297.

Translation, (continued)
mRNA, phage Φ29, cell-free system Bacillus subtilis, Escherichia coli 5708.
role mRNA secondary structure regulation initiation, lamB gene, Escherichia coli 7511.
transcription systems, isolation, Agrobacterium tumefaciens, comparison Escherichia coli 1440.
Translocation,
Paracoccus denitrificans, protons, oxidative phosphorylation, cytochrome c oxidase 12474
protons, association, nitric oxide reduction, Paracoccus denitrificans 12425
protons, Escherichia coli, trimethylamine N-oxide reductase, molybdenum, requirements, anaerobic conditions 3963
protons, nitrite oxidation, Nitrosomonas europaea comparison Nitrobacter agilis 6515.
Translocations,
plasmid pKY2257, Tn3 gene, deletion mutant, Escherichia coli 2945
Pseudomonas aeruginosa, genes, chloramphenicol antibiotic resistance, R factors 9866
Transmission,
Anaplasma marginale, blood sucking Arthropoda, cattle, reviews 9374
Campylobacter, enteritis, dogs, cats, man 1114
cholera, role, water, man 11755
X-disease, mycoplasma-like organisms, Macrosteles fascifrons, infectivity, Colladonus montanus 6388
Erwinia carotovora, fluorescent antibody test, association, plants pathology 12109
Erwinia carotovora subsp.carotovora, Erwinia carotovora subsp.atroseptica, Drosophila melanogaster, temperature effects on 5498
granuloma inguinale, homosexual behavior, man 2175
Legionella pneumophila, pneumonia, diagnosis, man 3332.
Legionella pneumophila, Pontiac fever, air conditioning, outbreaks, epidemiology, man 2285
Mollicutes, role, Neolaiturus fenestratus, Carthamus tinctorius infection 7295
Mycoplasma gallisepticum, chickens, characterization 6342
psittacosis, Chlamydia psittaci, man, clinical aspects, Aves 6317
Rhizobium leguminosarum plasmids, characterization 12862.
Rickettsia conorii, Rhipicephalus senguineus, exanthematous typhus, man, case reports 2204
Salmonella, Larus, incidence serotypes, antibiotic resistance 6473.
Salmonella mbandaka infection, association, food contamination, cattle 10667
spotted fevers, Rickettsia tsutsugamushi infection, guinea-pigs, Ornithodoros moubata 13384
Staphylococcus aureus, toxic shock syndrome, association, hypocalcemia, man, case reports 2067
Streptococcus mutans, role, dental caries, animal models 13100
Transmission (horizontal),
cholera, man, Malaysia 6205
nosocomial infection, Streptococcus group B, infants man 7208
Transmission (sexual),
Haemophilus ducreyi, man 917.
Neisseria meningitidis, man 8025
Transmission (transovarial),
Mycoplasma gallisepticum infection, effects on, egg production, chickens 13394.
Salmonella, Serpentes 6355.
Transmission (transplacental),
Haemobartonella muris, experimental infection, case reports, rats 10684
Mycoplasma pneumoniae, neonates, man 6297
Transpeptidase,
Streptomyces rimosus, plasma membranes, penicillin-binding protein 2583.
Transpiration,
Triticum aestivum, Septoria nodorum+, Xanthomonas translucens, Pseudomonas cepacia, effects on 1141.
Transplantation,
bacteria infected kidney, clinical aspects, man 10547
heart, association, legionnaire's disease, treatment, man, case reports 796
kidney, association, tuberculosis, diagnosis, man 947
kidney, Gardnerella vaginalis, abscesses, man, case reports 4422
Transplants,
infection, prophylaxis, man 2299
Transport,
acetic acid, Escherichia coli, mutants, fadR gene, utilization, glyoxylate shunts 1617.
adenine nucleotides, role 5'-nucleotidase, Vibrio costicola 8377
air, Streptomyces levoris, colonial characteristics, biorhythms 3745
allantoin, nitrogen fertilizers effects on, Glycine max 2436.
amino acids, Escherichia coli 70.
amino acids, monosaccharides, Thermus flavus, Thermus ruber 8454
aminoglycoside antibiotics, Bacillus subtilis, role, menaquinone 1705.
α-aminoisobutyric acid, L form, Streptococcus pyogenes 5612.
ammonia, Rhizobium leguminosarum 12322.
anions, role, phosphate effects on protein P biosynthesis, reconstitution models, Pseudomonas aeruginosa 6605.
arabinose, Escherichia coli, mutants, isolation, characterization 265
L-arabinose, operons, regulation, Escherichia coli, characterization, use, phage Mu 8681.
biotin, Bifidobacterium breve, characterization 5696.
cadmium, Staphylococcus aureus, plasmids, role, drug resistance 3106.
calcium, chromatophores, Chromatium vinosum, Rhodospirillum rubrum 3819.
calcium, Clostridium botulinum, Clostridium tetani toxins effects on, brain, rats 6010
calcium, membrane potential, Bacillus megaterium, sporulation 2619.
calcium, membrane potential, role ATP, Bacillus megaterium 2602.
carbohydrates, Clostridium pasteurianum 6491.
catabolism, Rhizobium meliloti mannose 12439.
cations, Bacillus subtilis, effects on, dicarboxylic acids transport 1422.
cell envelopes lipoproteins, Escherichia coli, mechanisms, association peptidoglycans 8515.
cobalamin, bacteria, reviews 7406.
cycloserine, antibacterial activity, Klebsiella aerogenes, cultural conditions, effects on, 1698
6-diazo-5-oxo-L-norleucine, Escherichia coli 12333.
dicarboxylic acids, mechanisms, Escherichia coli 5611.
effects on, pathogenesis, Pasteurella multocida, fowl cholera, turkeys 3607.
Escherichia coli, arabinose, gene mapping, araE gene, araF gene, araG gene 2868.
Escherichia coli, glucose-6-phosphate, uhp-lac operon, induction, regulation 1616.
Transport, (continued)
Escherichia coli lac y gene products, purification 4831.
Escherichia coli, lactose, protons, stoichiometry 2591.
Escherichia coli phosphate, silver effects on 12305.
Escherichia coli, potassium, pumps, lactic acid secretion 6502.
ferrichrome, Escherichia coli, Penicillium parvum, comparison 88.
β-galactoside, Escherichia coli, temperature effects on 5624.
glucose, mutants, Salmonella typhimurium, activity 1356.
glucose, phosphorylation, Brevibacterium flavum 12467.
glucose, Rhizobium leguminosarum, regulation malic acid 6510.
glucose, Streptococcus mutans, role, protonmotive force 5632.
glutamate, Escherichia coli, coupling, sodium 78.
glutamine, Escherichia coli, genetics analysis 244.
glycerol, Escherichia coli, membrane permeability, membrane composition 2584.
Hatch-Slack pathway dicarboxylate, defective mutant, Rhizobium trifolii, association, nodulation, Trifolium repens 5538.
hexose, systems, phophoenolpyruvic acid association, role enzymes phosphorylation bacteria 8355.
ions, Streptococcus, reviews 9596.
iron, ferrisiderophore reductase, Agrobacterium tumefaciens, characterization 8616.
iron, Mycobacterium smegmatis 5666
iron, Mycobacterium smegmatis, mycobactin localization 12294.
β-ketoadipate, chemotaxis, regulation, Pseudomonas putida, mutants 1353.
lactose, kinetics, Escherichia coli 8374.
lysosomes, Corynebacterium diphtheriae toxins effects on 1818.
maltose, Escherichia coli 8638.
maltose, lactose, Escherichia coli, inhibition, procaine 1341
maltose, maltodextrin, Escherichia coli, association, lamB gene proteins 8637.
maltose, maltodextrin, Escherichia coli, role, proteins, gene malK, gene malF 8635
membranes, Escherichia coli, complement, effects on 1886.
membranes, ions pumps, reviews, books 13533.
Mycoplasma hominis, Ureaplasma urealyticum, Mycoplasma fermentans, media, swabs 4667
Neisseria gonorrhoeae, media (culture) 4656.
nickel, Methanobacterium bryantii, mechanisms, inhibitors 12345.
nitrate, kinetics, Klebsiella pneumoniae 5665.
nucleosides, purines, marine bacteria, characterization 6516.
outer membranes, ompC gene, ompF gene, Escherichia coli 4739.
pathway, toxins, tetanus, cholera, cell membranes invaginations 6018.
penicillins, chloramphenicol, antibacterial activity, Haemophilus influenzae infection leukocytes (polymorphonuclear) 6792.
peptides, fluorescamine, Streptococcus faecalis 5633.
peptides, Staphylococcus aureus 1347.
phosphate, Escherichia coli, energetics 5636.
phosphate, Pseudomonas aeruginosa 4726.
phosphates, bacteria, mutants, alleles, genetic analysis 1355.
potassium, characterization, Streptococcus faecalis 6493.
potassium, Escherichia coli, effects on pH gradients 57.
proteins, cell membranes 8541.
proteins, Escherichia coli, regulation, genetic analysis 5730.
proteins, reviews 7407.
protons, coupling ATP synthesis, bacteria, reviews 12287.
purines, genetic relationship, phosphoribosyltransferase activity, Salmonella typhimurium 1357.
role, putA gene, Escherichia coli, gene products , putP gene 6508.
rubidium, Medicago sativa, Corynebacterium insidiosum, infection, effects on 1354.
Salmonella typhimurium, methionine sulfoxide, methionine, glutamine, relationship 2610.
serine, Proteus, trimethylamine oxide, anaerobic respiration, phosphorylation 5660
sodium, protons, Escherichia coli, plasma membranes vesicles, mechanisms, reviews 12293.
sodium, reconstitution, relationship, oxaloacetate decarboxylase, liposomes, Klebsiella aerogenes 3981.
sodium, Vibrio alginolyticus, pH, relationship membrane potential 10952
Streptococcus faecalis, sodium, potassium, protons, stoichiometry 6505.
succinate, Rhizobium leguminosarum 1384.
sucrose, Streptococcus lactis 1559.
sucrose, Streptococcus mutans, phosphoenolpyruvate-fructose phosphotransferase, continuous culture 6495.
sugars, Escherichia coli, adenylate cyclase regulation 9599.
sugars, Escherichia coli, outer membranes, lamB gene protein, phage λ receptors 8527.
sulfate, mechanisms, Alteromonas luteo-violaceus, characterization 1335.
sulfate, Pseudomonas halodurans, Alteromonas luteo-violaceus, regulation, characterization 1334.
Vibrio parahemolyticus, α-aminoisobutyric acid, role sodium, potassium 6504.
Transportation,
Treponema pertenue, isolation, hamsters, association, yaws, man 10660.
Transposase,
Escherichia coli, purification, characterization, transposon Tn3 8610.
Transposition,
antibiotic resistance, tetracycline, transposons 1523, role plasmid pIP112, Escherichia coli 6766.
bacteria, transposon IS1, relatinship, size 5035.
DNA fragments, association, transposon Tn1 11333.
Escherichia coli, plasmid EP396 Ap gene, phage Φ80 12819.
genes, Escherichia coli mutants, DNA polymerase I role 11271.
mechanisms, transposons 7692.
mutants, gene mapping, rRNA genes, Escherichia coli 6700.
ribose operon, Escherichia coli 8672.
Transposon Tn10,
insertion, Escherichia coli pfkB gene 262.
insertion, Salmonella typhimurium, mutator induction 245.
Transposon Tn1721,
antibiotic resistance, tetracycline, gene expression 280.
Transposon Tn21,
Escherichia coli, termini nucleotide sequence 2935.
Transposon Tn5,
insertion, Salmonella typhimurium, mutator induction 245.
Transposon Tn733,
R factors, gentamicin, antibiotic resistance, plasmids, detection, 1748.

Transposons,
- antibiotic resistance labelling, Ent plasmid, enterotoxins 7703.
- bacteria, genetic engineering, books, conferences 10833.
- bacteria, insertion mechanisms 9890.
- bacteria, reviews 8673.
- Escherichia coli, transcription, ampicillin antibiotic resistance 9871.
- Escherichia coli, uvrA gene, cloning 1599.
- R-factors, antibiotic resistance, chloramphenicol, Escherichia coli, Salmonella naestved, characterization, genetic analysis 4131.
- insertion, cotransduction gap, Escherichia coli 6761.
- insertion sequence 1, R factor R100, deletion mutant, DNA nucleotide sequence 11255.
- insertion sequences, phages, structure, transposition, bacteria 12817.
- mechanisms transposition 7692.
- plasmid RP4, association, antibiotic resistance, Acinetobacter calcoaceticus subsp.anitratum 9988.
- Pseudomonas aeruginosa, chloramphenicol antibiotic resistance, genes translocations 9866.
- Pseudomonas solanacearum mutagenesis, role, P-1 plasmid 5023
- Rhizobium meliloti, nodulation mutants, nitrogen fixation 9833
- role, Escherichia coli trimethoprim drug resistance 6754
- T1 plasmid, Agrobacterium tumefaciens, deletion, recombination, cloning, methodology 2914.
- transposon IS1, bacteria, transposition, relatinship, size 5035.
- transposon Tn 10, RNA, characterization, Escherichia coli, antibiotic resistance, tetracycline, effects on 2710.
- transposon Tn 7, Enterobacteriaceae, clinical isolates, Trimethoprim drug resistance 10060
- transposon TnA, deletion mutant, tryptophan operon, plasmids, Escherichia coli 12804
- transposon Tn1, association, DNA fragments, transposition 11333.
- transposon Tn1, characterization, Pseudomonas aeruginosa 4133
- transposon Tn10, antibiotic resistance tetracycline, gene expression, gene mapping 4139
- transposon Tn10, DNA nucleotide sequence insertion specificity, bacteria 4110.
- transposon Tn10, DNA, thermal stability, relationship gene regulation 5817.
- transposon Tn10, drug resistance use markers, genetic analysis, bacteria 11320.
- transposon Tn10, Escherichia coli, antibiotic resistance, tetracycline, characterization 5948.
- transposon Tn10, ilv operon, transcription, Salmonella typhimurium 12746.
- transposon Tn10, promoters, transcription, Salmonella typhimurium 12752.
- transposon Tn10, Salmonella typhimurium, use genetic analysis his operon 11304.
- transposon Tn10, Tet repressor binding tet operator DNA 7659.
- transposon Tn10, tetracycline antibiotic resistance, gene products, purification, characterization, cloning 6741.
- transposon Tn10, use, gene mapping, pyruvate oxidase deficient mutant, Escherichia coli 12791
- transposon Tn1771, Escherichia coli, gene amplification, recA gene 9869.
- transposon Tn2101, purification, characterization, penicillinase genes 6743.
- transposon Tn2301, association, plasmids, antibiotic resistance, ampicillin, Neisseria gonorrhoeae, characterization 5877.
- transposon Tn2301, inversion, plasmid pPJ3b, Escherichia coli, replication, insertion, phage λ 2943
- transposon Tn233 molecular weight determination 12840.
- transposon Tn2671, plasmid NR1, drug resistance determinants, Escherichia coli 6764.
- transposon Tn3, proteins, termination sequence 11093.
- transposon Tn3, recombination genomes, characterization, bacteria 5826.
- transposon Tn3, replicons, role phage λ transduction R factors 8716.
- transposon Tn3, repressors, role plasmids recombination, DNA nucleotide sequence, restriction endonuclease mapping 7685.
- transposon Tn3, transposase, purification, characterization, Escherichia coli 8610
- transposon Tn3411, isolation, gene mapping 5871.
- transposon Tn4, Escherichia coli, insertion sequences, DNA, nucleotide sequence 7707
- transposon Tn5, Methylobacterium organophilum, role, antibiotic resistance, streptomycin 8737
- transposon Tn5, mutagenesis, symbiosis, auxotrophy, mutants, characterization, genetic analysis, Rhizobium meliloti 6762.
- transposon Tn5, Myxococcus xanthus, use genetic analysis 9898.
- transposon Tn5, nitrogen fixation mutants, restriction endonuclease mapping, genetic analysis, Rhizobium leguminosarum 12851.
- transposon Tn5, transposon Tn7, Caulobacter crescentus, insertion, mutagenesis 6767
- transposon Tn501, insertion, transposon Tn7, plasmid R91-5, gene mapping, Pseudomonas aeruginosa 6765
- transposon Tn554, Saphylococcus aureus, insertion sites specificity 8733.
- transposon Tn7, insertion, Vibrio, mutagenesis 1631.
- transposon Tn7, plasmid pAS8Rep-1, transfer, killing, Pseudomonas 2913.
- transposon Tn7, transposon Tn501, insertion, plasmid R91-5, gene mapping, Pseudomonas aeruginosa 6765.
- transposon Tn9, role, gene expression, Bacillus subtilis, chloramphenicol resistance 8811.
- transposon 9, Escherichia coli, insertion sequence 1, polarity, rrnX operon, transcription 2722.
- transposons 1523, transposition antibiotic resistance, tetracycline, role plasmid pIP112, Escherichia coli 6766.
- use genetic analysis Escherichia coli ilv operon, Salmonella typhimurium thyA gene 9894.
- Vibrio cholerae, genetic engineering, reviews 11319.

Trauma,
- abdomen, antibiotic prophylaxis, clinical trials, penicillin, man 10534.
- association, Mycoplasma hominis, isolation, case reports, man 6301
- infection, etiology, diagnosis, risk factors, man 11880.

Travel,
- Mexico, Panama man, incidence, traveller's diarrhea, Campylobacter fetus 3371.

Travelers,
- USA, man, disease transmission, plague, Yersinia pestis, case reports 8073.

Travellers,
- diarrhea, Escherichia coli, prophylaxis, doxycylcine, bismuth subsalicylate 9143.
- infection, bacteria, immunization, prophylaxis 13053

Traveller's diarrhea,
- Campylobacter fetus, incidence, Panama man, Mexico travel 3371
- Campylobacter jejuni, clinical aspects, diagnosis, man 10369
- Escherichia coli, man, reviews 4412.

Traveller's diarrhea, (continued)
- Escherichia coli, treatment, erythromycin, effects on, microflora, man 11769.
- Vibrio parahaemolyticus, man, Thailand 4414.

Trehalose,
- Micrococcus 1486.
- specificity, subunits, association, phosphotransferase, +phosphoenolpyruvate complex, Vibrio parahaemolyticus 11172.

Trehalose dimycolate,
- association, immunity, Listeria monocytogenes, mice 10208.
- biosynthesis, Mycobacterium smegmatis, ethambutol, effects on 2824.

Trehalose monomycolate,
- biosynthesis, Mycobacterium smegmatis, ethambutol, effects on 2824.

Treponema,
- antigens, isolation, characterization 5203.
- antigens, purification, methodology 7904.
- detection, fluorescent antibody test 1844.
- dysentery, immunity, pigs 10172.
- flagella, purification, characterization, methodology 4681
- isolation, culture, identification, clinical aspects 10925.
- oral cavity isolates, identification methodology, API ZYM test 2543.

Treponema denticola,
- antigens, physical properties, antigenic characteristics, chemical analysis 10147.
- fatty acids, nutrient requirements, biosynthesis association 8406.

Treponema hyodysenteriae,
- +aflatoxins, food additives, effects on swine dysentery, gnotobiotics (specific pathogen free) pigs 2376.
- antibodies, detection, enzyme-linked immunosorbent assay, pigs 4301.
- drug sensitivity testing, Alzogur 5132.
- drug sensitivity testing, dysentery, pigs, animal isolates 10023.
- dysentery, pigs 9347.
- hemolysin, characterization, purification 463.
- hemolysins, characterization 464.
- identification, swine dysentery, gnotobiotics (specific pathogen free), pigs 6339.
- isolation, media (selective) characterization 9509.
- swine dysentary, experimental infection, pigs 10690.
- swine dysentery, immune response, pigs 6098.
- swine dysentery, treatment, tylan, pigs 2380.

Treponema innocens,
- hemolysin, characterization, purification 463.

Treponema macrodentium,
- microbodies, scanning electron microscopy, characterization 5626.

Treponema palladum,
- syphilis, clinical aspects, morphology, man 4457.

Treponema pallidum,
- adherence, cell culture, effects on cells morphology 9578.
- anorectal infection, homosexuality, man 5345.
- antibodies, fluorescence immunoassays 5190.
- antigenic characteristics, ultrastructure, isolation, pleural effusion, man 10157.
- antigens, identification, association, pathogenesis 11554.
- antigens, purification, precipitatim, immune serum, antibodies 10171.
- antigens, reagin screen test, syphilis diagnosis, man 8904.
- cell culture, subculture, survival 8266.
- characterization, culture methodology, reviews 7366.
- comparison, herpes simplex virus, keratitis, electron microscopy, pathogenesis, case reports, man 13276.
- cross-resistance, Treponema pertenue, disease resistance, hamsters 10649.
- DNA, plasmids, antibiotic resistance 5872.
- experimental infection, antigens, immune response, immunoglobulin G, rabbits 1874.
- experimental infection, immune response (cell-mediated), immune response (humoral), rabbits, treatment, cortisone, effects on 3198.
- immunity, man, reviews 3426.
- in vitro culture, cultural characteristics 5562.
- infection, blood donors, infectious diseases, vaccination 12012.
- infection, man, association, nephrotic syndrome 11851.
- infection, man, neurosyphilis, case reports 13217.
- infection, man, sexually-transmitted diseases, drugs treatment, reviews 11859.
- infection, man, sexually-transmitted diseases, epidemiology, world 13236.
- infection, man, syphilis, clinical aspects 13247.
- infection, man, syphilis, diagnosis 13250.
- infection, man, syphilis, diagnosis, positive serological tests 11852.
- infection, man, syphilis, leprosy association 13092.
- lymphocytes, supernatants antibacterial activity, association syphilis, syphilis, rabbits 8988
- media (culture), factors affecting survival 8265.
- neurosyphilis, antibodies production, immunoglobulin G, serological tests, man 6084.
- neurosyphilis, case surveys, man 911.
- neurosyphilis, cerebrospinal fluid, immunoglobulins levels, specificity, man 7945.
- neurosyphilis, diagnosis, hemagglutination, man 3160.
- neurosyphilis, immunoglobulins levels, man 3197.
- neurosyphilis, incidence, epidemiology, diagnosis, man, Finland 10432.
- neurosyphilis, man, Denmark 907.
- neurosyphilis, serum diagnosis, treatment, man 2174.
- neurosyphilis, treatment, penicillin, diagnosis, man, reviews 931.
- neurosyphilis, treatment, penicillin, man, Denmark, surveys 4455.
- orchitis, inflammation, hypersensitivity (delayed), macrophages phagocytosis, rabbits 11613
- redox potential, survival, media (culture) 1420.
- syphilis, antigen-antibody complexes, association, serum, man 1842.
- syphilis, antigen-antibody complexes levels, man 597.
- syphilis, aorta aneurysm, man 10439.
- syphilis, association, conjunctivitis, man, case reports 3424.
- syphilis, association diabetes mellitus, man, case reports 9181.
- syphilis, association, hepatitis, incidence, case reports, man 6250.
- syphilis, association, hepatitis, man, case reports 912.
- syphilis, association, lymphadenitis, man 13238.
- syphilis, association, osteitis, tibia, man, case reports 2153.
- syphilis, association, risks, infection, hepatitis A virus, hepatitis B virus, relationship, sexual behavior, man 3427.
- syphilis, association, Wernicke's encephalopathy, man 2152.
- syphilis, bone pathology, man 3433.

Treponema pallidum, (continued)
  syphilis, brain pathology, man 3434
  syphilis, clinical aspects, differential diagnosis, man 2157
  syphilis, clinical aspects, man 2164
  syphilis, congenital infection, association, keratitis, man, case reports 5351
  syphilis, congenital infection, incidence, infants, man, Zambia 10434
  syphilis, congenital infection, infants 908
  syphilis, diagnosis, enzyme-linked immunosorbent assay, TPHA test, man 11530
  syphilis, diagnosis, FTA-ABS test, man 6034
  syphilis, diagnosis, hemagglutination, serum temperature, man 4248
  syphilis, diagnosis, man 9184
  syphilis, diagnosis, man, reviews 3435
  syphilis, diagnosis, passive hemagglutination, man 5185
  syphilis, diagnosis, pregnancy, man 7076
  syphilis, diagnosis, serological tests, man 2159
  syphilis, diagnosis, serological tests, man, reviews 2137
  syphilis, diagnosis, treatment, man, reviews 2139
  syphilis, epidemiology, man, Africa 2173
  syphilis, epidemiology, man, Greece 909
  syphilis, epidemiology, man, Upper Volta 4456
  syphilis, epidemiology, statistical analysis, man 10436
  syphilis, experimental infection, serum, regulation, lymphocytes response, rabbits 10182
  syphilis, hemagglutination tests, specificity, antibodies detection 6025
  syphilis, hepatitis B surface antigen, seroepidemiology, homosexual behavior, man, Netherlands 2176
  syphilis, immune response, man 6893
  syphilis, immunodiagnosis, serological tests, man 3422
  syphilis, immunoglobulin M detection, immunoassays, man 10134
  syphilis, incidence, nosocomial environments, man 13239.
  syphilis lesions, complement role pathogenesis Herxheimer reaction, rabbits 6085
  syphilis, lesions development, rabbits 4446
  syphilis, lipids metabolism, man 5348
  syphilis, lymph nodes pathology, immune response, animal models 5347.
  syphilis, lymphocytes B, lymphocytes T, macrophages, man 604
  syphilis, lymphocytes T subpopulations, immune response, man 10188
  syphilis, penicillin treatment, association, meningovascular syphilis, man 11860.
  syphilis, presentation, arteritis, treatment, man, case reports 4451
  syphilis, proctitis, presentation, liver, association, Crohn's disease, man, case reports 4454
  syphilis, prophylaxis, People's Republic of China, man 13245
  syphilis, relationship, genetics, man 3428
  syphilis, screening, blood, man, Australia 5352
  syphilis, serological tests, methodology 11862.
  syphilis, stomach pathology, man, case reports 7077
  syphilis, tonsil, man, case reports 11858
  syphilis, TPHA test, VDRL test, diagnosis, man 2141.
  syphilis, treatment, bicillin, methyluracil, animal models 7085
  syphilis, treatment, cobalt, bismuth, penicillin, man 3431
  syphilis, treatment, diagnosis, man 7080
  syphilis, treatment, man 3430
  syphilis, treatment, man 3432
  syphilis, treatment, penicillin, man 2148
  syphilis, treatment, penicillin, man 7087
  syphilis, treatment, penicillin, man, case surveys 7082
  syphilis, treatment, penicillins+levamisole+sodium nucleinate, man 9193
  syphilis, uveitis association, man, case surveys 9199
  tabes dorsalis, clinical aspects, penicillin treatment, case reports, man 10430
  virulence, immune response, rabbits 6040
Treponema pertenue,
  cross-resistance, Treponema pallidum, disease resistance, hamsters 10649
  infection, man, yaws, clinical aspects 13079
  isolation, transportation, hamsters, association, yaws, man 10660
  yaws, epidemiology, man, Ghana 4522
Treponema phagedenis,
  glucose metabolism, N.M.R 1379.
Treponema pollidum,
  syphilis, face paralysis association, man, case reports 11861
Treponema vincentii,
  fatty acids, nutrient requirements, biosynthesis association 8406
Triacyl glycerol lipase,
  Pseudomonas, activity, factors affecting 4875
Triacylglycerol lipase,
  Acidaminococcus fermentans, characterization, isolation cow's milk, identification 6471.
  detection, Propionibacterium acnes 12616.
  purification, characterization, Alcaligenes 11198
  purification, chromatography, methodology, Staphylococcus aureus 4057
  Staphylococcus aureus, purification, characterization 1496.
  temperature, inactivation, psychrotrophic bacteria 12601
Triazine,
  nitrogen sources, Pseudomonas, Klebsiella pneumoniae 3713.
Triazines,
  Lactobacillus casei, inhibition, tetrahydrofolate dehydrogenase 6646
Triazolin-3-thione,
  derivatives, structure-activity relationships, antimicrobial activity, bacteria, fungi 8852.
Tribolodon hakonensis,
  Bacteroides, intestinal microflora, identification 6476.
Tributytin chloride,
  effects on, Escherichia coli penicillin spheroplasts 5134.
Tricarboxylic acid,
  intermediates, association, amidase repression, Proteus rettgeri, comparison, Escherichia coli 12658
Tricarboxylic acid cycle,
  antibiotic AS-40 biosynthesis, Streptomyces 8752.
  bacteria, succinyl-CoA synthetase (ADP-forming), citrate (si)-synthase, catalysis, reviews 9732.
  oxygen, effects on, glucose, metabolism, Pseudomonas aeruginosa 12440.
  prokaryotes 2682.
  Pseudomonas aeruginosa, DDT biodegradation 11001.
  Rhodopseudomonas capsulata, association, wild type, mutants 4786.
Tricarboxylic acids,
  chemotaxis, relationship, citrate metabolism plasmids, Escherichia coli 1668.
Tricellaria occidentali,
  larvae, symbiosis, bacteria 2399.
2,4'-5-Trichlorobiphenyl,
  metabolism, role intestinal microflora, mice 9323.
4-(2,4,5-Trichlorophenyl)-2-(substituted-phenylamino) thiazoles,
  mycobacterium tuberculosis, synthesis 10043
Trichoderma hamatum,
  +Rhizobium, seed treatments, effects on nodulation, disease control 1200.
  seed treatments, disease control, Pisum sativum, Raphanus sativus, organic matter, temperature effects, effects on 1200
  seed treatments, disease control, Pisum sativum, Raphanus sativus 1200
Trichoderma reesei,
  cellulase, bagasse hydrolysis, methodology 7463
Trichoglossus haemotod,
  isolation, Salmonella typhimurium 7256
Trichomonas,
  trichomoniasis, diagnosis, sex differences, man 2136.
Trichomonas vaginalis,
  sexually-transmitted diseases, females, man, British Isles, surveys 2150.
  vaginitis, diagnosis, biochemical characteristics, putrescine, cadaverine, clinical aspects, man 7041
Trichomoniasis,
  diagnosis, sex differences, man 2136
Trichophyton mentagrophytes,
  antimicrobial activity, S,S'-dialkyldithiomethylene malonodinitriles, structure-activity relationships 5977.
  soil microorganisms, isolation, Egypt, Arab Rep. 1162.
Trichophyton terrestre,
  soil microorganisms, isolation, Egypt, Arab Rep. 1162.
Trichoplusia ni,
  pathology, infection, rickettsia-like organisms 8131.
  toxicity, Bacillus thuringiensis var.kurstaki toxins, purification characterization 7895
Trichosurus vulpecula,
  Mycobacterium bovis Experimental infection, pathogenesis 5458.
Triclosan,
  antibacterial activity, treatment, Corynebacterium, infection, man 1931.
Tricresyl phosphate,
  biodegradation, sludge, sewage treatment models 6541.
Triethylamine oxide,
  growth conditions, anaerobic respiration, fermentation, Rhodospirillum vubrum, Rhodopseudomonas capsulata 5661.
Triethyltin chloride,
  effects on, Escherichia coli penicillin spheroplasts 5134.
2,2,2-Trifluroethanol,
  association, gramicidin A, interaction, thallium ions, N.M.R. 11351.
Trifolium,
  nodulation, nitrogen fixation, Rhizobium trifolii, soil levels 4641.
  seedlings, rhizoplane, microflora, Rhizobium trifolii 3715.
Trifolium alexandrinum,
  Rhizobium trifolii inoculation± nitrogen, effects on, nodulation, yield 1185.
Trifolium arvense,
  nitrogen fixation, radioactive labelling, methodology 7332.
  nodulation, nitrogen fixation, Rhizobium trifolii 1179
Trifolium badium,
  nitrogen fixation, radioactive labelling, methodology 7332.
Trifolium pratense,
  cultivation, nitrogen fixation, role Rhizobium trifolii 10776.
  nitrogen fixation, nodulation, variation, Rhizobium trifolii, strains 13472.
  ± nodules, assimilate partitioning 1192.
  nodules, structure, Rhizobium trifolii, Trifolium pratense, temperature, host plants, selection, effects on 3717.
Trifolium repens,
  dry weight distribution, relationship, nodules, nitrogen fixation 1166.
  Glomus tenuis, phosphorus fertilizers, effects on Rhizobium trifolii nodulation, nitrogen fixation 12152.
  nitrogen cycle, ammonification, clay industrial wastes 8176.
  nodulation, association, Hatch-Slack pathway dicarboxylate transport defective mutant, Rhizobium trifolii 5538
  nodulation, nitrogen fixation, Rhizobium trifolii 1179.
  nodulation, Rhizobium trifolii mutants interaction 5509
  nodulation, streptomycin antibiotic resistance Rhizobium trifolii 2441
  ± nodules, assimilate partitioning 1192.
  ± Rhizobium, ± nitrate, phosphorus effects on growth, nutrient uptake 1172
  Rhizobium nodulation, Azotobacter vinelandii proteins effects on 5528.
  Rhizobium trifolii, infection, roots, mechanism, ultrastructure 2445.
  Rhizobium trifolii, nitrogen fixation, nodulation, fungicides, effects on 4624.
  Rhizobium trifolii, nitrogen fixation, nodulation, fungicides inhibition 12131.
  roots lectins, role binding, Rhizobium trifolii 13483.
  seedlings, roots, colonization, Rhizobium trifolii, fungi 5533.
  susceptibility, Rhizobium nodulation 4633
Trifolium subterraneum,
  growth, nitrogen fixation, nodulation, mycorrhizas, phosphorus uptake 4622.
  Rhizobium, acid, alkaline, reactions, biochemical analysis 2579
3,3',5'-Triiodothyronine,
  fever effects on serum levels, Escherichia coli endotoxins, rabbits 11511.
3,4,5-Trimethexycinnamic acid,
  derivatives, Pseudomonas putida, soil isolates, degradation, reaction mechanisms, methanol biosynthesis 1408.
Trimethoprim,
  activity, serine effects on, Escherichia coli mutants 10022.
  analogs, antibacterial activity, inhibition tetrahydrofolate dehydrogenase, Escherichia coli 12610.
  antibacterial activity, Mycobacterium 7852.
  antibacterial activity, Mycobacterium fortuitum, Mycobacterium chelonei 5969.
  +antibiotic FR-31564, antibiotic synergism, antibacterial activity, gram-negative bacteria 2997
  antibiotic sensitivity testing, Bordetella pertussis, clinical isolates 7769.
  association, bacteria antibiotic sensitivity testing, hospitals 11458
  bacteria drug resistance, clinical isolates, Finland 12956.
  bactericidal activity, Escherichia coli 6842.
  Bacteroides, antibacterial activity, agar dilution test 6841.
  binding tetrahydrofolate dehydrogenase, N.M.R., Lactobacillus casei 5748.
  comparison, norfloxacin, antibacterial activity, gram-negative bacteria, gram-positive bacteria 8825.
  drug resistance, bacteria, urinary tract infection, man 12957
  drug resistance, Enterobacteriaceae Clinical isolates, plasmids 10061

Trimethoprim, (continued)
drug resistance, Enterobacteriaceae, relationship, treatment, urinary tract infection, man 1787.
drug resistance, Escherichia coli, animal isolates 4195.
drug resistance, Escherichia coli, clinical isolates 457.
drug resistance, Escherichia coli, incidence, chickens, pigs, British Isles 3063.
drug resistance, Escherichia coli, Proteus mirabilis, urinary tract isolates 452.
drug resistance, role, transposons, Escherichia coli 6754.
effects on, Escherichia coli, hemagglutination, adherence, ultrastructure 8827.
Enterobacteriaceae, clinical isolates, drug resistance, transposon Tn 7 10060.
R factors, association, Escherichia coli DNA host specificity 11061.
Listeria monocytogenes, antibacterial activity 7853.
+polymyxin, comparison, neomycin+polymyxin+gramicidin, treatment, bacteria conjunctivitis, man 7185.
resistance, mediation, R factor, Escherichia coli, tetrahydrofolate dehydrogenase analysis, isoelectric focusing 11208.
+rifampicin, antibacterial activity, Escherichia coli, Klebsiella 372.
+rifampicin, pharmacokinetics, effects on microflora, man 5267.
+rifampicin, serum levels, effects on microflora, treatment, urinary tract infection, man 3267.
rifampicin, urinary tract infection treatment, comparison, cotrimoxazole, man 2065
+sulfachloropyridazine, colibacillosis, Escherichia coli, experimental infection, chickens, pigs 1103.
+sulfadiazine, treatment, cystitis, Proteus mirabilis, experimental infection, juveniles, horses 2379.
+sulfamethopyrazine, treatment, urinary tract infection, man 13192.
+sulfamethoxypyrazine, treatment, respiratory tract infection, man 2011.
+sulfamethoxypyrazine, treatment, urinary tract infection, man 2077.
+sulfamoxole, treatment, typhoid fever, man 825.
+sulfonamide, treatment, bacteria infection, man, antibiotic synergism, association urine 8757.
± sulphamethazole, drug resistance, bacteria, urinary tract isolates, incidence, man 458.
synergism, fosmidomycin, antibacterial activity, Enterobacteriaceae 11391.
treatment, diarrhea, drug resistance, Escherichia coli, man 4217.
treatment, Enterobacteriaceae meningitis, pharmacokinetics, rabbits 7066.
treatment, infection, pharmacokinetics, man, reviews 2268.
treatment, salmonellosis, relationship, animal models, cattle 2363.
urinary tract infection, bacteria, treatment, man 6217.
+vancomycin, media (selective), isolation, Bramhamella catarrhalis, Neisseria, respiratory tract isolates 3753.
3,4,5-Trimethoxyphenylacetic acid,
degradation, Arthrobacter, soil isolates 1410.
Trimethylamine,
catabolism, methanogenesis, Methanosarcina barkeri 238.
Trimethylamine N-oxide,
reduction, Escherichia coli growth, fish muscles extracts 4757
Trimethylamine N-oxide reductase,
Escherichia coli, protons, translocation, molybdenum, requirements, anaerobic conditions 3963.
Escherichia coli, role, electron transport, drug resistance, chlorate 2681.
Trimethylamine oxide,
anaerobic respiration, Proteus, phosphorylation, serine transport 5660.
reduction, growth, assays, bacteria, conductance methodology 9526.
Trimethysilyl 3-(carbethoxyalkylcarbamoyl)propiolates,
synthesis, antibacterial activity, Mycobacterium smegmatis, Mycobacterium tuberculosis 8842
Trinidad,
children, gastroenteritis, etiology, rotavirus, bacteria 5312.
Cocos nucifera wilt, disease transmission, Phytomonas, Micrococcus roseus, experimental infection, epidemiology 8139.
Glycine max, nodulation, nitrogen fixation, Rhizobium japonicum 1188.
2,4,6-Trinitrobenzene sulfonic acid,
modification, alanine dehydrogenase, Bacillus natto 2758.
Trinitrobenzenesulfonic acid,
chemical modification, glucose-1-phosphate adenylyltransferase, allosteric activators sites, Escherichia coli 7547.
2,4,6-Trinitrotoluene,
biodegradation, thermophilic microorganisms, composting 12362
Triolein,
biodegradation, bacteria 12364.
Triorganotin 5-nitro-2-furoates,
synthesis, antimicrobial activity, bacteria 11467.
Triexacarcins,
biosynthesis, Streptomyces bottropensis, antibacterial activity, antitumor activity 9915.
Streptomyces bottropensis structure, inhibition DNA biosynthesis, Bacillus subtilis 11339.
Triphenyltetrazolium chloride,
biodegradation, Pseudomonas, temperature effects on 12385.
drug resistance, Campylobacter fetus subsp.jejuni, comparison, Campylobacter fetus subsp.intestinalis 3109.
Triplet state,
bacteriochlorophylls, fluorescence, reaction centers, Rhodopseudomonas sphaeroides, Rhodopseudomonas viridis 3870.
Tripropyltin chloride,
effects on, Escherichia coli penicillin spheroplasts 5134.
Tris,
inactivation DNA injection, phage LL-H, Lactobacillus lactis, factors affecting 7677.
Tristeza virus,
effects on likubin symptoms, Citrus, mycoplasma-like organisms isolation 10746.
Triticale,
microorganisms, bacteria, fungi, rhizosphere, water stress, effects on 3704.
Xanthomonas campestris pv.translucens infection, physiology, virulence 10741.
Triticum,
Azotobacter chroococcum effects on seeds germination 13496.
Azotobacter chroococcum seed treatments, roots specificity 13497.
rhizosphere, Gaeumannomyces graminis take-all, antagonism Pseudomonas 7308.
roots, growth, Gaeumannomyces graminis var.tritici, Agrobacterium polysaccharides effects on 8212.
roots, Klebsiella oxytoca, nitrogen fixation, isolates, characterization 3700
roots, respiration, bacteria, populations, nitrogen sources, potassium, nutrition, aeration, effects on 3706.
roots, respiration, bacteria, populations, nutrient deficiencies, effects on

Triticum, (continued)
3705.
seeds, inoculation, Pseudomonas putida, disease control, rhizosphere microogranisms 9399.
soil cultivation, effects on soil microorganisms metabolism 9459.
Triticum aestivum,
Gaeumannomyces graminis infection, Pseudomonas, isolation, roots 1160.
leaves, symptoms, Pseudomonas infection 5502.
nitrogen, content, growth, Azospirillum brasilense, nitrogen fixation, effects on 3701.
+Rhizobium "cowpea", +Azospirillum lipoferum, nitrogenase enzymatic activity 1214.
rhizosphere bacteria, Gaeumannomyces graminis var.tritici effects on population dynamics 8190.
roots exudates, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9585.
stubble, biodegradation, soil microorganisms, role, soil fertility 131.
transpiration, photosynthesis, Septoria nodorum+Xanthomonas translucens, Pseudomonas cepacia, effects on 1141.
yield, nitrogen-fixing bacteria, foliar applications 8187.
Tritium,
uptake, Rhodopseudomonas spheroides, aerobic conditions effects on 8466.
uptake, soil, soil temperature, soil moisture, soil pH, effects on 9473.
Tritium aestivum,
Gaeumannomyces graminis var.tritici, rhizosphere microflora, urea, benomyl, foliar applications effects on 9474
Triton X-100,
Corynebacterium glutamicum, effects on L-lysine biosynthesis 9703.
effects on, phage T5, attachment, kinetics, receptors, membranes, Escherichia coli 1660.
Tritrichomonas foetus,
agglutinins, detection, Campylobacter fetus, vaccination, cattle 4334.
Trombiculidae,
isolates, Rickettsia tsutsugamushi, antigenic characteristics, classification, Malaysia 1867.
Rickettsia tsutsugamushi infection, Thailand 10732.
Trophic relationships,
microorganisms, soil, nutrient dynamics, mineralization, decomposition 9437.
Trophoblasts,
mice, Chlamydia trachomatis, infection 11830.
Tropical environment,
diseases, leukocytes (eosinophilic), role, bacteria, man, reviews 11579.
man, skin diseases, treatment 10292.
Tropical environments,
animals, parasitic diseases, effects on public health 13369.
soil chemistry, denitrification, heterotrophic bacteria 7317.
Tropism,
bacteria, role, plant diseases, reviews 5495.
Tropomyosin,
comparison, protein M, secondary structure, cell surface, Streptococcus 1470.
Trypanosoma,
infection, animals, tropical environments, parasitic diseases effects on public health 13369
Trypanosoma cobitis,
isolation, bacteria like microorganisms 2421.
Trypanosomiasis,
animals, tropical environments, effects on public health 13369.
imported diseases, salmonellosis, tuberculosis, man 6252
Trypsin,
digestion, RNA polymerase, Escherichia coli 9773
like enzymes, Streptomyces clavuligerus, characterization 5760.
proteolysis 2-oxoglutarate dehydrogenase multienzyme complexes, structure, Escherichia coli 11155.
purification, trypsin inhibitors, Streptomyces griseus 4007.
Streptomyces fradiae, Streptomyces griseus, kinetics p-amidinophenyl alkonates hydrolysis, mechanisms 8575.
Trypsin inhibitors,
trypsin, purification, Streptomyces griseus 4007.
Tryptophan,
biosynthesis, Brevibacterium flavum 4832.
catabolism, Pseudomonas aureofaciens 1397.
chemical modification, effects on structure, activity, toxins, Vibrio cholerae 5152.
metabolism, Nocardia 12436.
operons, construction cloning vectors, plasmid pBR313 4971.
operons, RNA polymerase termination, Escherichia coli, correlation models, characterization 5723.
repressors, gene expression role, Escherichia coli trpR gene 11290.
residues, histidine decarboxylase, N-bromosuccinimide chemical modification, Micrococcus 12631.
residues, incidence, flagellin amino acid composition, Rhizobium meliloti 11109.
residues, subtilisin inhibitor, N.M.R., Streptomyces albogriseolus 7574.
Rhizobium leguminosarum, transformation 2735.
L-Tryptophan,
biosynthesis, Brevibacterium flavum 12566.
Tryptophan methyl ester,
hydrolysis, Streptomyces griseus proteinase, kinetics, stereoselectivity 4882.
L-Tryptophan methyl ester,
hydrolysis, kinetics, microbial metalloproteinases 4895.
Tryptophan synthase,
Escherichia coli, interaction, pyridoxal 5'-phosphate derivatives 208.
β-subunit dimerization, kinetics, mechanisms, fluorescence, Escherichia coli 7589.
α-subunit, guanidine hydrochloride induction unfolding, Escherichia coli 7610.
β-subunit, renaturation kinetics, Escherichia coli 7590.
Tryptophan 2,3-dioxygenase,
association, actinomycin D biosynthesis regulation, Streptomyces parvullus 9920.
Tryptophanase,
biosynthesis, Escherichia coil, catabolite repression, induction, association, cyclic AMP 8622.
Proteus vulgaris, swarm cells, short cells, induction 3997.
Tryptophanyl-tRNA synthetase,
interactions Brown MX-5BR dyes, inhibition kinetics, Bacillus stearothermophilus 11179.

Tuberactinomycin,
derivatives, effects on protein biosynthesis, bacteria, drug resistance mutants 9976
Tuberculin,
antibodies, immunoglobulin G, detection, enzyme-linked immunosorbent assay, radioimmunoassay, man, tuberculosis 3154.
diagnosis, tuberculosis, Mycobacterium tuberculosis, children 9263
production, media (culture) 1267
sensitivity, association, BCG vaccination, children 1911.
skin tests, association, leukocyte migration inhibition, man 6030
skin tests, BCG vaccination, age effects, children 660
skin tests, cattle, association, Mycobacterium, contamination, milk 4561
skin tests, diagnosis, tuberculosis, man 11918.
stability, temperature effects 175
stimulation lymphocytes T proliferation, tuberculosis, man 10189
Tuberculine Monotest,
diagnosis, tuberculosis, comparison, tine test, children, man 3335
Tuberculoma,
brain, case reports, treatment, man 880
brain, man, case reports 2108
brain, treatment, antibiotics, diagnosis, man, case reports, reviews 892
nasopharynx, man, case reports 1997
Mycobacterium tuberculosis, presentation carcinoma, urinary bladder, man 5335.
spinal cord, case reports, man 879.
Tuberculosis,
abdomen, incidence, clinical aspects, man, India 10456.
adenoid, pathology, man 1978
aneurysm, association fistulae, aorta, man, surgery 6303
antitubercular agents, 2-aryloxy thioisonicotinamides 5975
association, BCG vaccination, children 4336.
association, encephalopathy, man 7064
association, enterocolitis, Mycobacterium tuberculosis, clinical aspects, diagnosis, treatment, man 13175
association, eye granuloma, pathology, Ateles geoffroyi, Macaca mulatta 8104.
association hairy cell leukemia, man, case reports 9281.
association, heart artery lesions, man, case reports 7202
association, hemodialysis, ethnic groups, man 13148
association, histocompatibility antigen HLA, family studies, man 4380
, association, hypersensitivity, treatment, kidney 2106
association, immunosuppressive agents treatment, man 9228.
association, leukocytes (neutrophilic) adherence, man 6924.
association, Mycobacterium antigens, characterization, detection, use, monoclonal antibodies 11545
association, osteosarcoma, diagnosis, man, case reports 4492.
association, pericardium effusion, treatment, prednisolone, antitubercular agents, man, case reports 2292.
association, pneumonia, lung, edema, diagnosis, man, case reports 2002.
association, pregnancy, puerperium, pathology, man 5412
association, renal insufficiency, dialysis, man 9277
association, respiratory distress syndrome, diagnosis, treatment, man, case reports 1976.
association respiratory distress syndrome, man 13138.
association, Schistosoma mansoni, larval, infection, immunity (cell mediated), monocytes, man 3225.
biliary tract, liver, man, case reports 989
blood donors, infectious diseases, vaccination 12012
bone, joints, treatment, man 3550.
bone, osteomyelitis, man 9286
brain, presentation, brain abscesses, man, case reports 2124.
British Isles, epidemiology, man 10341
cattle, eradication 2334
cattle, incidence, India 3618
characterization, Mycobacterium tuberculosis, Mycobacterium microti, Mycobacterium bovis, Mycobacterium africanum, reviews 7003.
chemotherapy, relationship, hypersensitivity (delayed), mice 11584
chemotherapy, reviews 3324
children, association BCG vaccination 13061
children, infection, vaccines, reviews 9049
clinical aspects, Pelger-Huet anomaly, diagnosis, prognosis, case reports, man 11970
colon, presentation, diagnosis, man, case reports 5315.
control programs, man, China, People's Rep. 11917.
control programs, man, Germany, Fed. Rep. 11916
diagnosis, association, hemodialysis, kidney transplantation, man 947
diagnosis, bronchoscopy, biopsy, man 4402.
diagnosis, bronchoscopy, man 9114.
diagnosis, comparison, tests, cattle 12077.
diagnosis, intestine, man 11759.
diagnosis, kidney, man 2073.
diagnosis, man 9275.
diagnosis, post-menopause, man 3340.
diagnosis, radioimmunoassay, man 4251.
diagnosis, tine test, comparison, Tuberculine Monotest, children, man 3335.
diagnosis, treatment, skull, man, Mycobacterium tuberculosis 1024.
diagnosis, tuberculin skin tests, man 11918.
diagnosis, use, lymphocyte transformation assays, children 587.
differential diagnosis pleurisy, lysozyme pleural fluid, man 6986.
differential diagnosis, spondylodiscitis, man 5407.
disease resistance, role, defense mechanisms 6974
disease transmission, man, cattle 4560.
disseminated infection, association, adult respiratory distress syndrome, case reports, man 936.
disseminated infection, association, systemic lupus erythematosis, treatment, corticosteroids, man, case reports 2305.
disseminated infection, pneumothorax, children, case reports, man 2265.
disseminated infection, presentation, adrenal gland failure, man, case reports 2238.
disseminated infection, scintigraphy, treatment, association, side effects, man 11934.
disseminated infection, treatment, chemotherapy+corticosteroids, adolescents, adults, man 2291.
domestic animals, incidence, disease resistance 9332.
elbow, man, bone fusion surgery 6316.
endometrium, clinical aspects, pathology, man 2088.
epidemiology, Asia immigrants, British Isles 11971.
epidemiology, children 13280.
Tuberculosis, (continued)
epidemiology, control, man, reviews 7197.
epidemiology, man 6968
esophagus, case reports, man 808
esophagus, man, case reports 9131.
experimental infection, Mycobacterium avium serotypes, pathogenicity, cattle 7238.
eye, case reports, man 950
fever association, man 11948.
gallbladder, man, case reports 13321
gastrointestinal tract, comparison, Crohn's disease, pathology, diagnosis, man 836.
gastrointestinal tract, pathology, diagnosis, man, case reports 9129.
genitourinary tract, children, case reports 7044.
genitourinary tract, clinical aspects, treatment,
genitourinary tract, epidemiology, treatment, diagnosis, man, reviews 865.
glucose tolerance, man 6175.
granuloma, association tuberculosis, man 13304.
hypersensitivity (delayed), disease control, methodology, hospitals 9227.
immune response, lymphocytes, macrophages, man 11600.
imported diseases, man 4395.
imported diseases, screening, man 6252.
incidence, cancer patients 3455.
incidence, diagnosis, hemodialysis, man 5413.
incidence, Haiti immigrants, USA 13293.
incidence, immigrants, man, Germany, Fed. Rep. 11919
incidence, man, South Africa 1988.
incidence, relationship, age, man 7104.
incidence, urban environments, children, man 3318.
infants, man, association, skin lesions 11899.
intestinal tract, diagnosis, man 7982.
intestinal tract, diagnosis, treatment, clinical aspects, man 4408.
intestine, pathology, man 10378.
iosoniazid, rifampicin, ethambutol, treatment, man, Denmark 12010.
ischium, pathology, treatment, man 2281.
isoniazid+rifampicin treatment, isoniazid inactivation, association, urinalysis, man 10477.
larynx, presentation, carcinoma, pathology, man, case reports 804.
lesions, extracts, Mycobacterium tuberculosis modification 11465.
liver, angiography, man, case reports 2239.
lung, association, aspergilloma, man, case surveys 13136.
lung, association, choroid lesions, association, infants, man, case reports 9123.
lung, association, dental calculus isolation, Mycobacterium tuberculosis, man 2014.
lung, association, empyema, treatment, man 5308.
lung, association, lupus vulgaris, oral mucosa, man, case reports 2013.
lung, association, monocytes function, man 3205.
lung, association respiratory tract, diagnosis, man 11703.
lung, calcium serum levels, man 5295.
lung, cavitation, pathology, man 781
lung, chemotherapy, man 10327.
lung, detection, glycolipids antigens, hemagglutination, man 1974.
lung, diagnosis, bronchoscopy, man 4389.
lung, diagnosis, incidence, man, frog 1971.
lung, diagnosis, radiography, man 11713.
lung, diagnosis, syringes aspiration biopsy, man 6187.
lung, disseminated infection, treatment, clinical aspects, man 2286.
lung, drugs treatment, reviews 6195.
lung, fever, treatment, corticosteroids, man, case reports 755.
lung, geriatrics, France 3333.
lung, immune response, man 547.
lung, incidence, man 11720.
lung, infants, man, France 6980.
lung, isolation, Mycobacterium szulgai, man, case reports 750.
lung, man, prophylaxis, reviews 6194
lung, man, treatment, clinical trials, reviews 6186.
lung, markers, erythema nodosum, children 9105.
lung, Mycobacterium bovis, electron microscopy, mice 4558.
lung, Mycobacterium tuberculosis, monocytes chemotaxis defects, man 11615
lung, Mycobacterium tuberculosis, pathogenesis, man, reviews 6970.
lung, negative sputum smears, pathogenesis, radiography, man 4384.
lung, Noscomial infection, man 6191.
lung, outbreaks, geriatrics, institutions 754.
lung, pathogenesis, clinical aspects, man 6964.
lung, pathology, factors affecting, children 2018.
lung, prognosis, man 11722.
lung, prognosis, man 11723.
lung, respiratory tract diseases, Mycobacterium, man, India 784.
lung, symptoms, man 5293.
lung, treatment, antimycobacterial agents, man 753.
lung, treatment, antitubercular agents, effects on, Mycobacterium tuberculosis pathogenicity, man 768.
lung, treatment, man 752
lung, treatment, man 770.
lung, treatment, man 5310.
lung, treatment, man 11719.
lung, treatment, man 11724.
lung, treatment, man 11726.
lung, treatment, side effects, man 1996
lymph nodes, surgery, man 11911.
lymphadenopathy, children 9269.
lymphocytes T subpopulations, proliferation, man 10187.
man, antigen-antibody complexes 7929.
man, brain abscesses, diagnosis, pathogenesis 11837.
man, case surveys 11908.
man, detection, tuberculin antibodies, immunoglobulin G, enzyme-linked immunosorbent assay, radioimmunoassay 3154.
man, diagnosis, pathology 11907.
man, diagnosis, tine test characterization 10483.
man, Germany, Fed. Rep., epidemiology 10623.
man, lung, antiinflammatory agents treatment role latent infection 11750.
man, lung, treatment, isoniazid+rifampicin, ± ethambutol 9107.
man, penis, case reports 6214.
man, public health, disease spread 10634.
man, reviews 4393
man, serological surveys 6300.

Tuberculosis, (continued)
man, skin lesions, case reports 11663.
man, tine test, public health, reviews 13345.
man, treatment 10627.
middle ear, man 6170.
muscles abscesses, intestine penetration, man, case reports 2274.
muscles, man, case reports 4478.
Mycobacterium antigens, suppressor cells, immune response, rosette formation, man 4315
Mycobacterium bovis, clinical aspects, treatment, cattle, British Isles 7284.
Mycobacterium bovis, epidemiology, Meles meles 7228.
Mycobacterium, dialysis, immunocompromised hosts, case surveys, man 7186.
Mycobacterium, Flavobacterium, mixed infection, pathology, fish 2349.
Mycobacterium tuberculosis, antitubercular agents, benzimidazoles derivatives, synthesis, man 6838.
Mycobacterium tuberculosis, antitubercular agents, thiocarbanilides, synthesis 6837.
Mycobacterium tuberculosis, antitubercular agents, thio-sulfonyl benzimidazoles derivatives, synthesis, man 6839.
Mycobacterium tuberculosis, antitubercular agents treatment, man, reviews 11938.
Mycobacterium tuberculosis, antitubercular agents, 2-(4-aminophenyl)thiazoles derivatives, synthesis, man 6836.
Mycobacterium tuberculosis, association, pregnancy, diagnosis, treatment, man, reviews 4387.
Mycobacterium tuberculosis, diagnosis, BCG, tuberculin, children 9263.
Mycobacterium tuberculosis, genitourinary tract, treatment, surgery, man 9164.
Mycobacterium tuberculosis, immune response, immunological aspects, man, animals, reviews 6110.
Mycobacterium tuberculosis, immune response, pathogenesis, diagnosis, man, reviews 13042
Mycobacterium tuberculosis, intestine, diagnosis, colonoscopy, biopsy, case reports, man 7015.
Mycobacterium tuberculosis, localization, epidemiology, clinical aspects, man 6298.
Mycobacterium tuberculosis, man, host-pathogen interactions, human biology 6977.
Mycobacterium tuberculosis, medical importance, reviews 7000.
Mycobacterium tuberculosis, presentation, carcinoma, man, case reports 7203.
Mycobacterium tuberculosis, skin tests, man, children, South Africa Rep., effects on, hypersensitivity (delayed) 5291
Mycobacterium tuberculosis, treatment, man 11753.
Mycobacterium tuberculosis, vaccination, adults, man 4331.
natural killer cells immunosurveillance, man 8983
norepinephrine, cyclic AMP, levels, plasma, man 3346.
nose, man, case reports 6178.
nosocomial infection, incidence, geriatrics institutions, man, USA, Arkansas 10478
occupational exposure, hospitals, man 11725.
occupational exposure, hospitals, man, case reports 7162.
osteomyelitis, man 13285
outbreaks, Macaca mulatta, Saimiri sciureus 10717
pancreas, man, case reports 1023.
pathogenesis, detection, E.S.R., fucose serum levels, man 11735.
presentation, man, case reports 968.
prophylaxis, man, reviews 11980.
pyrazinamide deamidase activity, man 841.
relationship, genetics, man 3428.
relationship, serum levels, copper, iron, zinc, man 1980.
rifampicin treatment, man 13251
sacroileitis, man 5416.
screening, man, Kenya 6177.
serum levels, antigen-antibody complexes, antibodies, man 4285.
skin, epidemiology, treatment, clinical aspects, man, German Dem. Rep. 11660.
skin, immunity (cell-mediated), man 1904.
spine, presentation, pathology, clinical aspects, treatment, man 2253
surveillance, man, hospitals 5392.
tongue, man, case reports 13095.
tonsil, man, case reports 10353.
treatment, children 11912.
treatment, clinical trials, man, Rumania 11909
treatment, isoniazid, clinical trials, man 13308.
treatment, man 11914.
treatment, man, conferences 12195.
tuberculin stimulation lymphocytes T proliferation, man 10189.
vaccination, epidemiology, man 13056.
wrist, man, case reports 955.
zoological gardens animals, epidemiology, immunoassays 7913.

Tubers,
healing, Erwinia carotovora, bactericidal activity, dichlorophen, effects on, Solanum tuberosum 2406.

Tubulin,
ADP-ribosylation, toxins, Vibrio cholerae 11515.

Tuftsin,
effects on phagocytosis, leukocytes (neutrophilic), man 13017.
immunostimulation, phagocytosis, macrophages, bactericidal activity, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli, Serratia marcescens, mice 6070.

Tularemia,
epidemiology, disease transmission, Ixodes redikorcevi vectors, Rodentia 13382.
man, case reports 9225.

Tumor cell lines,
Clostridium oncolyticum, culture 11.
mice, concurrent infection, Mycoplasma hyorhinis, mammary tumor virus, association, cells detachment factors 4679

Tumor cells,
glia, cyclic AMP accumulation, stimulation, Vibrio cholerae toxins, calcium effects on 5169
irradiated, immunization, Clostridium parvum effects on, mice 10210.
macrophages, antitumor activity, mice, endotoxins, macrophages 1817.
monoclonal antibodies, comparison, Mycoplasma hyorhinis monoclonal antibodies, in vitro 5245.

Tumor promoting agents,
± Agrobacterium tumefaciens infection, effects on Nicotiana hybrids teratocarcinoma development 8151.
± Agrobacterium tumefaciens infection, Nicotiana hybrids, effects on tumors development 8152.
infection, Nicotiana hybrids, tumors development 8154.

Tumor promoting agents, (continued)
Nicotiana hybrids, tumors development, effects on, growth regulators, peroxidase 8153.

Tumorigenesis,
Agrobacterium tumefaciens, correlation DNA plasmids, crown gall, Nicotiana tabacum 5886.
Agrobacterium tumefaciens, crown gall, Helianthus annuus, temperature, effects on 4608.
enhancement, bacteria cholic acid, rats, reviews 13368.
mammalian cells, role mutagenesis, bacteria, toxicity testing 5569.
plasmids, Agrobacterium rhizogenes, Agrobacterium tumefaciens, DNA homology 5864.
Streptomyces, teleocidin, association, epidermis growth factors, hepatoma cells, rats 9818.
warts, papovavirus, role immunity, concurrent infection Mycobacterium scrofulaceum, man 6311.

Tumorigenicity,
Agrobacterium tumefaciens, Inc-Q plasmid, maintenance, effects on 2926.

Tumors,
Agrobacterium, induction, assays, inhibition, virulence, Solanum tuberosum 1150.
Agrobacterium tumefaciens, crown gall, transformation, protoplasts, Nicotiana tabacum 9419.
bacteria infection, incidence, man, immunological aspects 6148.
carcinoma, fats dietary intake, bacteria, viruses, fungi, immune system, animal models, man, reviews, conferences 13265.
crown gall, Agrobacterium tumefaciens, cotyledons, Helianthus giganteus 9413.
crown gall, Agrobacterium tumefaciens, experimental infection, octopine, biosynthesis, Datura stramonium 2419.
crown gall, Agrobacterium tumefaciens, Ti plasmid, DNA transcription 2905.
crown gall, cell walls, antigens sites 3661.
crown gall, Nicotiana tabacum, Agrobacterium tumefaciens, characterization 8138.
development, Nicotiana hybrids, infection, tumor promoting agents 8154.
development, Nicotiana hybrids, tumor promoting agents, Agrobacterium tumefaciens, effects on, growth regulators, peroxidase 8153.
DNA, Nicotiana glauca, hybridization Agrobacterium rhizogenes Ri plasmid 7686.
immunological enhancement, staphage lysage, mice 3188.
induction, Agrobacterium tumefaciens, crown gall, role, octopine biosynthesis 4610
induction, Agrobacterium tumefaciens, Kalanchoe leaves, osmotic potential 13434.
induction, Solanum tuberosum, association, Agrobacterium, interaction, lectins, concanavalin A 7301.
like growth, Gigartina teedii, induction bacteria infection 10758.
lung, relationship, elimination, Staphylococcus aureus, Pseudomonas aeruginosa, association, peritonitis, mice 3538.
macrophages activation, Corynebacterium parvum, immunostimulation, animal models 5207.
Nicotiana hybrids, development, Agrobacterium tumefaciens infection± tumor promoting agents, effects on 8152.
presentation, Pasteurella infection, finger bone, man, case reports 3532.
regression, endotoxins activity, association, Salmonella typhimurium glycolipids structure 11239.
regression, Salmonella minnesota endotoxins, BCG, effects on, immune response, antitumor activity, guinea-pigs 10109.
resistance, mice, infection, salmonella enteritidis, role effectors cells, characterization 9019.
skin, man, cross-reactivity, Streptococcus group A antigens 524.

Tungsten,
resistant mutant, association, nitrogen fixation, Azotobacter vinelandii 12729.

Tunicamycin,
penicillin, Actinomyces viscosus, effects on 8619.

Tunisia,
Salmonella, isolation, characterization 2535.

Turbidity,
measurements, β-lactam antibiotics antibacterial activity, Pseudomonas aeruginosa 3024.
measurements, cell density, growth rate, Rhodopseudomonas sphaeroides 10987.

Turimycin,
biosynthesis, Streptomyces hygroscopicus, continuous culture, genetic analysis 12875.
biosynthesis, Streptomyces hygroscopicus, radioactive labelling 4961.

Turkeys,
Alcaligenes faecalis, humidity effects on infection 6343.
disease resevoirs, Pasteurella multocida infection, cats 9361.
embryos, Mycoplasma effects on 3612.
Escherichia coli clearance, association, immunization (passive) 9051.
eye infection, fowl cholera, Pasteurella multocida 1057.
immune response (humoral), Mycoplasma meleagridis, immunosuppression, characterization 6081.
isolation, agglutination tests, detection, Alcaligenes faecalis, infection 1095.
meat, membrane filter-disc immunoimmobilization, detection, Salmonella 3605
Mycoplasma, Anaplasma, isolation, characterization 5599.
Mycoplasma gallisepticum, epizootiology, treatment 6349.
Mycoplasma meleagridis infection, suppression, Newcastle disease virus vaccination immune response (humoral) 4303.
parents coryza immunization (passive), association, offspring immunity 4330.
Pasteurella multocida antigenicity 512.
Pasteurella multocida, fowl cholera, pathogenesis, transport, effects on 3607.
Pasteurella multocida, infection, immune response (humoral), enzyme-linked immunosorbent assay 6031.
respiratory tract diseases, Alcaligenes faecalis etiology 1082.
respiratory tract infection, Alcaligenes faecalis± infectious bursitis virus, pathology 10720.
spleen, liver, Escherichia coli phagocytosis, macrophages 546.
trachea, electron microscopy, detection, Alcaligenes faecalis, infection, symptoms 1104.
vaccination, Alcaligenes faecalis, rhinotracheitis 6123.
Yersinia pseudotuberculosis, myopathy, diagnosis, clinical aspects, treatment 2372.

Tween 80,
effects on Thermoactinomyces vulgaris proteinase metabolism 11453.

Twins,
infants, Streptococcus group B, infection, man 4459.

Tyberculin,
Mycobacterium tuberculosis, antigenic relationship, BCG, seperation techniques 8939.

Tylan,
treatment, swine dysentery, pigs 2380.

Tylosin,
antibacterial activity, Legionella pneumophila 7798
antibiotic resistance, Mycoplasma gallisepticum, animal isolates 10013.
antibiotics, biosynthesis, Streptomyces fradiae, mutants, characterization 2978
biosynthesis, pathway characterization, Streptomyces fradiae 5899
biosynthesis, Streptomyces fradiae, batch culture 302.
biosynthesis, Streptomyces fradiae, role, macrocin methyltransferase 8753
biosynthesis, structure-activity relationships, antibiotics 5930
characterization, Streptomyces fradiae mutants fermentation 7639
derivatives, synthesis, structure-activity relationships, bacteria, macrolide antibiotics resistance 12908
Mycoplasma, antibiotic resistance 3056
Streptomyces fradiae, biosynthesis, plasmids, genes, regulation 11340.
Streptomyces fradiae, structure, X-ray crystallography 11355
treatment, pneumonia, Mycoplasma hyopneumoniae, pigs, juveniles 7276.
treatment, pneumonia, pigs, Mycoplasma 2335
Typhimuricin,
biosynthesis, Salmonella typhimurium, role, plasmid LT2, new records 12869
Typhoid fever,
association, gastrointestinal tract bleeding, treatment, surgery, man, case reports 3359.
association, liver pathology, treatment, man 4409
association, Salmonella typhi feces isolates, antigens detection, use, agglutination 12995.
bacteria, carriers rate, man 10376
clinical aspects, incidence, man, India 9138
complications, hepatitis, immunoglobulins, complement, deposits, man 11617.
diagnosis, agglutination, man 830
diagnosis, enzyme-linked immunosorbent assay, detection, Salmonella typhi antigen Vi, man 4249
epidemiology, man, South Africa 4473.
gastrointestinal tract pathology, man 817.
heart pathology, man 2034.
ileum perforation, children 13169
immune response (cell-mediated), immune response (humoral), man 8948
man, effects on kallikrein precursors production 6208.
man, reviews 7028
man, Salmonella typhi, antibiotic resistance, chloramphenicol, isolation 403.
phlebitis, man 13279
relationship, duodenum intubation, man, case surveys 7984
Salmonella typhi, antigens, lipopolysaccharides, proteins, antibody response, serum levels, radioimmunoassay, man 1854.
Salmonella typhi, antigens, lipopolysaccharides, proteins, antibody response, intestine levels, radioimmunoassay, man 1855
Salmonella typhi, diagnosis, Widal test, man 4511.
Salmonella typhi, isolation, differential diagnosis, Cotard's syndrome, case reports, man 7200
Salmonella typhi, mutants, isolation, anaerobic conditions, man 11779
Salmonella typhi, Salmonella paratyphi, clinical aspects, relationship, age, man 840
Salmonella typhi vaccination, oral administration, animal models 4337.
Salmonella typhi vaccines, clinical trials, children 6125.
treatment, pivmecillinam+pivampicillin, comparison, cotrimoxazole, man 9144.
treatment, pivmecillinam+pivampicillin, man 2038
treatment, sulfamoxole+trimethoprim, man 825.
vaccination, man 5246.
vaccines 6120
Typhoidfever,
man, case reports 5314.
Typhus,
Rickettsia typhi, Rickettsia prowazekii, antigens isolation, enzyme-linked immunosorbent assay, diagnosis 1845.
vaccination, reviews 10260.
Typing,
antigen O, use, epidemiology, bacteriuria, Escherichia coli, nosocomial infection, geriatrics 2050.
auxotrophy, epidemiology, Neisseria gonorrhoeae, man, Sweden 33.
Escherichia coli, urinary tract isolates 40.
flagella, bacteriophages, role, identification, Pseudomonas serotypes 2549.
Haemophilus influenzae, agglutination 2557.
hemagglutinins, association, Escherichieae identification 2570
Klebsiella, clinical isolates, computers, analysis 1297.
methodology, Shigella sonnei, clinical isolates 2561.
Salmonella, isolates, animals, meat, feeds 3064
Shigella sonnei, British Isles isolates 2554.
Staphylococcus clinical isolates 395.
Streptococcus pneumoniae, fluorescent antibody test 4252.
Vibrio cholerae 25.
Tyramine oxidase,
β-phenetyl alcohol, procaine hydrochloride effects on, Klebsiella aerogenes 4931.
Tyrosine,
biosynthesis, association, arogenate intermediates, bacteria, chloridazon biodegradation 11097.
biosynthesis, association, Brevibacterium flavum chorismate mutase, activity concentration 3987.
biosynthesis, Brevibacterium flavum 4832.
biosynthesis, chloridazon biodegradation bacteria, arogenate dehydrogenase 10990.
effects on, potassium, hydrogen, efflux, association, peptides, Pseudomonas aeruginosa 12320.
Flavobacterium devorans, biosynthesis, arogenate precursors 9695.
residues, penicillinase, chemical modification, Bacillus cereus, Escherichia coli 7541.
residues radicals, association, ribonucleoside-diphosphate reductase activity, Escherichia coli,
suppressors tRNA genes, cloning, amber mutant, Escherichia coli 1621.
L-Tyrosine,
biodegradation, Pseudomonas 12381.
Pseudomonas maltophilia conversion, L-dopa 11119.
Tyrosine phenol-lyase,
Escherichia intermedia, activity, stereospecificity 7539.
Tyrosyl-tRNA synthetase,
aggregation, tRNA Tyr, Escherichia coli 7617.
Escherichia coli, conferences 8250.
genes cloning, Escherichia coli, Bacillus stearothermophilus 11260.
Tysonitis,
association, abscesses, urethritis, Neisseria gonorrhoeae, pathology, treatment, man, case reports 922.
Tyzzer's disease,
Bacillus piliformis, infection, spinal cord, pathology, rats 3574.
Bacillus piliformis, storage effects, in vivo passage effects on, virulence 515.
immunodiagnosis, complement fixation, laboratory animals, rats 3575.

U.V. Radiation,
absorption, Clostridium perfringens, Escherichia coli, Micrococcus luteus, DNA 155.
+acridine, effects on Escherichia coli repair mechanisms 5982.
association, Clostridium difficile, isolation, identification 8255.
Bacillus cereus cysts resistance 11473.
Bacillus sphaericus spores, radioresistance, association, protein A, protein B 6849.
Bacillus subtilis mutagenesis, effects on macromolecular biosynthesis 6845.
damage, DNA, photoreactivation induction DNA repair, Haemophilus influenzae 11047.
diagnosis, eye infection, Pseudomonas aeruginosa, man 11954.
± 2,4-dinitrophenol, ± solar radiation, effectson Bacillus subtilis growth 2658.
DNA biosynthesis, inhibitors, damage, Photobacterium leiognathi 7486.
DNA damage, effects on DNA polymerase I coding properties, Escherichia coli 7505.
DNA repair, chloramphenicol effects on, Escherichia coli 4191.
DNA repair, Staphylococcus aureus, mutants, phage Φ 11, factors affecting 1431.
DNA secondary structure role mutagenesis level, Escherichia coli 11044.
effects on, bacteria contamination, mineral water 8225.
effects on Escherichia coli, DNA repair efficiency 8487.
effects on, Haemophilus influenzae, DNA, composition 11060.
effects on lactic acid bacteria, Streptococcus, growth, phages production 1652.
effects on microorganisms growth, hydroponics 427.
effects on phages DNA injection hosts cells 8717.
effects on, respiration, Escherichia coli, polA1 gene, tif-1 gene, mutants 263.
effects on Streptomyces narbonensis spores 10939.
Escherichia coli, DNA damage 2699.
Escherichia coli, DNA repair 6569.
Escherichia coli, DNA repair, characterization 1438.
Escherichia coli, DNA repair, starvation effects on 6568.
Escherichia coli, mutagenesis, DNA repair 2691.
Escherichia coli, mutants, DNA repair 2694.
Escherichia coli, radioresistance, factors affecting 8859.
Escherichia coli, radioresistance, magnetic fields effects on 6851.
Escherichia coli radiosensitivity, membranes fatty acid composition effects on 5631.
R factors, Escherichia coli, association, DNA nucleotidyltransferase like enzymatic activity 2765.
fluorescence, Neisseria gonorrhoeae detection, lactaldehyde reductase (NADPH) immobilized enzymes, antibodies 9805.
inactivation, phage λ, phage ΦX174, plasmid pBR322 275.
induction, DNA repair, Escherichia coli, double-stranded breaks 5706.
induction, DNA repair, Vibrio cholerae 4805.
induction guanosine 3'-diphosphate 5'-diphosphate synthesis, role 5-methylaminomethyl-2-thiouracil residues, anticodon loop, tRNA, Escherichia coli 3915.
induction uvrB operon, DNA repair, Escherichia coli 6692.
lesions, Bacillus subtilis phage SPP1, host cell reactivation, role, DNA repair 8720.
lesions, phage Sd, protein biosynthesis inhibitors, DNA repair pathway, Escherichia coli 6724.
lethality, Escherichia coli, role, DNA repair 2703
mutagenesis, Clostridium thermocellum, genetic engineering 8661.
mutagenesis, microorganisms, reviews 4979.
mutagenesis, Proteus, resistance 4099.
mutagens, Rhizobium trifolii 1598.
photoprotection, role rel gene, 4-thiouridine, Escherichia coli 7641.
post-replication, DNA repair, temperature-sensitive mutant, chloramphenicol, Escherichia coli 1426.
Pseudomonas aeruginosa, resistance 455.
+psoralen, Haemophilus influenzae, DNA repair, role, gene products 3893.
radiosensitivity, Escherichia coli, mutants, sulA gene, sulB gene, lon gene 1619.
recombinants plasmids sensitivity, DNA repair, Escherichia coli 2933.
reduction bacteria cytochrome P-450+camphor, mechanisms 12480.
Rhizobium trifolii, sensitivity mutants, isolation, antibiotic resistance, gene mapping 1595.
sensitivity, DNA polymerase I effects on defective mutant, Escherichia coli 11284.
sensitivity, Escherichia coli, DNA repair, rep gene 9842.
sensitivity, mutants, Streptomyces clavuligerus, mutagenesis, caffeine 9820.
sterilization, phylloplane, bacteria microflora populations 10875.
Streptococcus sanguis, induction damage, DNA 12513.
+treatment pools, hospitals, microflora 13527.
U.V. Spectroscopy,
enterotoxins tertiary structure, sodium dodecyl sulfate, guanidine hydrochloride, temperature, pH effects on, Clostridium perfringen 5045.
ferredoxin oxidation, kinetics, Clostridium 6609.
initiation factor 3 cross-linking ribosomes, effects on conformation, Escherichia coli 12532.
Ubiquinol-cytochrome c reductase,
purification, characterization, Rhodopseudomonas sphaeroides 11154.
Rhodopseudomonas sphaeroides, ubiquinone, reaction centers, chromatophores 4782.
Ubiquinone,
chromatography, separation techniques, bacteria 6545.
electrons transfer bacteriopheophytin, temperature effects, Rhodopseudomonas sphaeroides 2683.
reaction centers, Rhodopseudomonas sphaeroides, ubiquinol-cytochrome c reductase, chromatophores 4782.
Rhizobium japonicum bacteroids, electron transport chain, hydrogen oxidation 6549.
Ubiquinones,
association Thiobacillus taxonomy 12248.
immunostimulation, immunity (cell-mediated), Listeria monocytogenes experimental infection, mice 3583.

Udder,
  morphology, relationship, Staphylococcus aureus, mastitis, milk production, cattle 3581.
  pathology, mastitis, cattle 5485.
  Staphylococcus aureus subclinical infection, cattle 7231.
UDP glucosyltransferase,
  Streptomyces aureofaciens, purification, characterization 7619.
Uganda,
  children, BCG vaccination, prophylaxis, leprosy 3241.
  man, conjunctivitis, Staphylococcus etiology 957.
Ulcerative colitis,
  association, intestinal microflora, man 6936.
  association, Streptococcus pneumoniae septicemia, man, case reports 11884.
  Campylobacter fetus, pathology, clinical aspects, man, case reports 838.
  cytotoxins, cytopathology, tissues, association, Clostridium difficile, man 12991
Ulcers,
  association bacteremia, man 9266
  cornea, Moraxella, surgery, case reports, man 11952.
  cornea, Pseudomonas, pathology, treatment, man, case reports 977.
  diabetes mellitis, bacteria, mixed infection, treatment, antibiotic sensitivity testing, foot, man 3507.
  leg, association, sickle cell disease, complement abnormalities, man 691.
  Mycobacterium ulcerans, diagnosis, treatment, skin, man, case reports 4366.
  Mycobacterium ulcerans, man, case reports, Liberia 1930.
  stress induction, assocition, Escherichia coli sepsis, animal models 9313.
  venous stasis, man, bacteria, disinfection, whirlpools± cleaning systems 7177
Ulmus americana,
  wetwood, anaerobic microorganisms, biochemical characteristics, identification 3665
  wetwood, pectin-degrading bacteria, Clostridium butyricum 4614.
Ultracentrifugation,
  hydrodynamics ribosomal protein L29, ribosomal protein L30, Escherichia coli 11113.
  lumazine protein, Photobacterium phosphoreum, association luciferase, Vibrio harveyi 4907
  tRNA binding ribosomes, Escherichia coli 3901.
Ultrafiltration,
  endotoxins bacteria removal, hemodialysis, experimental infection, dogs 1833.
Ultrahigh temperature,
  pasteurization, dairy products, Pseudomonas lipase, heat resistance 8596.
Ultrasonography,
  toxic shock syndrome, staphylococcus aureus, liver, case reports, man 6320.
Ultrasound,
  effects on dental plaque 715.
Umbilical cord,
  Brucella abortus infection, bacteria serum levels, cattle 3613.
UMP,
  analogs, effects on carbamoyl-phosphate synthetase (glutamine-hydrolysing) activity, Escherichia coli 4066.
Uncouplers,
  effects on, Bacillus subtilis, autolysis, cell membranes 93.
  effects on, chemotaxis, Escherichia coli 1350.
Unfolding,
  lac repressor fragments, calorimetry, Escherichia coli 4912.
  tryptophan synthase α-subunit, guanidine hydrochloride induction, Escherichia coli 7610.
Unsaturated-phospholipid methyltransferase,
  relationship, fatty acids, biosynthesis, growth conditions, Proteus vulgaris 12656
Unwinding,
  DNA, cyclic AMP-binding protein effects on, Escherichia coli 5710.
Upper Volta,
  man, epidemiology, Treponema pallidum, syphilis 4456.
Upwelling,
  energy flow, association, aggregation, detritus, ecosystems, bacteria, coastal waters 6434
Uracil,
  Escherichia coli, catabolism, regulation 234.
Uranium,
  bioaccumulation, industrial wastes, microorganisms 7402.
  solubilization, lactic acid bacteria, phosphorite 10948.
Uranous sulfate,
  oxidation, association, oxygen uptake, Thiobacillus ferrooxidans, Thiobacillus acidophilus 5678.
Urate oxidase,
  purification, characterization, Streptomyces cyanogenus 2804.
Urban environment,
  Insecta, Rodentia, animals, vectors, salmonellosis, man 9229.
Urban environments,
  association, leprosy epidemiology, man, India 11670.
  man, Clostridium tetani, tetanus, immunity 4307.
  tuberculosis, children, man 3318.
Urea,
  disease control, rhizosphere microogranisms, Triticum seeds 9399.
  foliar applications, effects on, Gaeumannomyces graminis var.tritici, rhizosphere microflora, Tritium aestivum 9474.
  hydrolysis, bacteria respiration, effects of soil moisture, Pinus banksiana 5513.
  levels, lakes, eutrophication, seasonal variations, bacteria, biodegradation, phytoplankton 3743.
  metabolism, rumen microorganisms, sheep, sucrose effects on 13360.
Urea peroxide,
  treatment, dental caries, rats 13375.
Ureaplasma,
  cattle, characterization, role antisera 5574.
  genital microflora, dogs, role, infertility 2333.
  genital tract experimental infection, cattle 3591.
  infection, cattle, pneumonia, immunodiagnosis 10707.
  infection, cattle, reviews 6364
  isolation, antigenic characteristics, Primates 5202.
  isolation, genitourinary tract, sheep, British Isles 7278.
  minocin, rosaramicin, antibacterial activity 5046.
  mycoplasmosis, cattle genital diseases, abortion role, reviews 6365.
  mycoplasmosis, domestic animals 10685
  strains, cell membranes, cytoplasm, proteins, electrophoresis 12568
Ureaplasma, (continued)
  strains, man isolates, comparison, animal isolates 2618.
  tiamulin antibacterial activity, respiratory tract isolates 5098.
Ureaplasma urealyticum,
  adenosinetriphosphatase activity, membranes 12670.
  antibiotic sensitivity testing, antibacterial activity, tetracycline, erythromycin, rosaramicin 306.
  antigenic characteristics, identification, enzyme-linked immunosorbent assay 7910.
  association, genital tract infection, man 2064.
  association, pneumonitis, infants 5287.
  biochemical characteristics, isolation, genitourinary tract, man 9068.
  genital microflora, role, infertility, pregnancy, man 4430.
  genital tract, transport, media, swabs 4667.
  genitourinary tract experimental infection, Cercopithecus aethipos 3611.
  genitourinary tract infection, man, reviews 10399.
  growth, media (culture), gases composition, effects on 3838.
  immunofluorescence, serotyping, antigenic determinants 3788.
  infection, man, isolation, cervix, anus 8007.
  infection, man, sexually-transmitted diseases, drugs treatment, reviews 11859.
  isolation, culture, genital microflora, man 9510.
  isolation, genitourinary tract, females, man 2062.
  man, incidence, genital tract infection, clinics 9148.
  Mycoplasma hominis, cervical microflora, relationship, fetuses, growth, man 3386.
  non-specific urethritis, seroepidemiology, man 7049.
  non-specific urethritis, treatment, minocycline, man 916.
  non-specific urethritis, treatment, rosaramicin+tetracycline, man 8005.
  perinatal infection, relationship, mortality, man 5373.
  prostatitis, treatment, tetracycline+erythromycin, hamsters 10340.
  role, proctitis, males, homosexuality 5324.
  sexually-transmitted diseases, man, Spain, surveys 2146.
  treatment, man 13233.
  urinary tract infection, kidney transplantation, man 2068.
Urease,
  enzymatic activity, media (culture) effects on, inhibitors, Selenomonas ruminantium 370.
  inhibition, Proteus mirabilis, N-[diaminophosphinyl]-4-fluorobenzamide, association, vesical calculus treatment, man 12592.
  purple membranes vesicles reconstitution, Halobacterium halobium, temperature effects on 6623.
Ureidopenicillins,
  antibacterial activity, comparison, N-formimidoyl thienamycin, cephalosporins, Serratia marcescens 5928.
β-Ureidopropionase,
  Rhodopseudomonas capsulata, biosynthesis, ammonia effects on 1547.
Ureter,
  pressure, +urinary tract infection, children, effects on kidney parenchyma 11795.
  pressure, +urinary tract infection, children, effects on kidney parenchyma 11815.
Urethal syndrome,
  man, association, Corynebacterium, Lactobacillus 13193.
Urethra,
  incidence, Escherichia coli, microflora, urinary tract infection, females, man 3380.
  isolation, Neisseria gonorrhoeae, copper effects on, in vitro 1777.
  microflora, anaerobic bacteria, association, susceptibility, urinary tract infection, females, man 1920.
  microflora, sampling methodology, man 6935.
  strictures, association, Neisseria gonorrhoeae, man, case reports, Nigeria 2161.
Urethritis,
  antibiotics prophylaxis, man 13207.
  association, lymphangitis, penis, Chlamydia trachomatis, man 851.
  Chlamydia trachomatis isolation, man 852.
  Chlamydia, treatment, doxycycline, tetracycline, man, males 5329.
  clinical isolates, Neisseria gonorrhoeae, penicillinase production, man, Zambia 9192.
  gonorrhea, diagnosis, immunoprecipitation, man 13249.
  man, ampicillin treatment, association Neisseria gonorrhoeae penicillinase productivity 6245.
  man, case reports, Malaysia 6246.
  man, sexually-transmitted diseases, reviews, 9185.
  Neisseria gonorrhoeae, association, abscesses, tysonitis, treatment, pathology, man, case reports 922
  Neisseria gonorrhoeae, diagnosis, limulus lysate test, homosexuality, man 6215.
  Neisseria gonorrhoeae, differential diagnosis, non-specific urethritis, man 13230.
  Neisseria gonorrhoeae, non-specific urethritis, diagnosis, Limulus lysate test, man 2140
  neisseria gonorrhoeae, tetracycline treatment, man 13228.
  Neisseria gonorrhoeae, treatment, bicillin, man 2168.
  Neisseria gonorrhoeae, treatment, piperacillin, benzylpenicillin, comparison, man 3420.
Uric acid,
  recycling, gut bacteria, Reticulitermes flavipes 5488.
Uridine 5'-phosphate,
  dimers, radiation, rRNA, correlation cross-linking ribosomal proteins, Escherichia coli 5724.
Uridine phosphorylase,
  mechanisms, Escherichia coli 7570.
Urinalysis,
  association, tuberculosis, isoniazid rifampicin treatment, isoniazid inactivation, man 10477.
  bacteriuria, dogs 13374.
  pyuria, bacteriuria, detection, pregnancy, man 2059.
Urinary bladder,
  Actinomyces israelii, actinomycosis, pathology, case reports, man 10412.
  bacteria adsorption, heparin effects on, animal models 1374.
  carcinoma, etiology, role intestinal microflora metabolism benzidine dyes 13064.
  carcinoma, surgery, postoperative infection, prophylaxis, adriamycin, man 3399.
  Cornyebacterium renale passage kidney, immune response, mice 8952.
  epithelium, leukocytes (polymorphonuclear), immune response, Escherichia coli experimental infection, rats 5239.
  Escherichia coli infection, epithelium, mucopolysaccharides, charactericatión, rats 11829.
  glycosaminoglycans antibacterial activity, rabbits, effects on bacteria adherence, animal models 6226
  irrigation effects on adherence, Escherichia coli, epithelium, urinary tract,

Urinary bladder, (continued)
- animal models, man 9605
- tuberculoma Mycobacterium tuberculosis, presentation carcinoma, man 5335.

Urinary tract,
- bacteria, cephalosporins potentiation, association, alafosfalin 8774.
- bacteria recurrent infection, complications, pivmecillinam treatment, man 11820.
- clinical isolates, Escherichia coli, hemolysins biosynthesis, relationship, virulence, animal models 3151.
- clinical isolates, incidence, Escherichia coli, Klebsiella, Proteus mirabilis, antibiotic resistance, man 4435.
- endoscopy, association, infection, prophylaxis, cephazolin, comparison, gentamicin, man 10386.
- epithelium, adherence, Escherichia coli, pili, association, pyelonephritis, children 3387.
- epithelium, adherence, Escherichia coli, urinary bladder irrigation effects on, animal models, man 9605.
- epithelium, mucus, adherence, Escherichia coli 92.
- Escherichia coli, infection, plasmids, R factors, multiple antibiotic resistance, transfer, hospitals, man 3045.
- Escherichia coli isolates, adherence, pili, plasmids construction 89.
- Escherichia coli isolates, typing 40
- Escherichia coli, Proteus mirabilis, isolates, drug resistance, trimethoprim 452.
- experimental infection, rabbits, Streptococcus group D, antibodies, levels 1878.
- gram-negative bacteria, infection, treatment, cinoxacin, man 874.
- infection, bacteria, treatment, cefotiam, children 3339.
- infection, bacteria, trimethoprim treatment, man 6217.
- infection, cinoxacin treatment, pH effects on antibacterial activity 5966.
- infection, Escherichia coli, attachment, mucosa, inhibition, immunoglobulin A, man 3194.
- infection, Escherichia coli, isolates, antibiotic resistance, association, serum, bactericidal activity, resistance 5952.
- infection, man, incidence 13198.
- infection, treatment, cefmetazole, infants, man 985.
- isolates, bacteria, drug resistance, trimethoprim± sulphamethazole, incidence, man 458
- isolates, norfloxacin, comparison, antimicrobial agents, antibacterial activity 8821
- isolates, Pseudomonas aeruginosa, phospholipase C, biosynthesis, measuring techniques 8557.
- mecillinam isolates, antibacterial activity, Escherichia coli 335.
- mixed infection, antibodies, immunoglobulins, levels, serum, urine, man 1899.
- models, bacteria, R factors transfer, antibiotic resistance 7833.
- nosocomial infection, Escherichia coli, etiology, risk factors, man 10403.
- pathogens, identification, AutoMicrobic test, cost-benefit analysis 4696.
- recurrent infection, Escherichia coli, adherence, epithelium, man 11824.
- recurrent infection, isolates, Escherichia coli, man, antigenic variants, antigen O 10146
- surgery, association, antibiotics, prophylaxis, septicemia, man 7103.

Urinary tract infection,
- amoxycillin treatment, man 9151.
- antibacterial activity, amoxicillin+clavulanic acid, man 11810.
- antibiotic CGP 9,000, clinical trials, immunocompromised hosts, diabetes mellitus, man 6227.
- antibiotics prophylaxis, man 5326.
- antibiotics treatment, man 10401.
- antibiotics treatment, man, surveys 9147.
- antibody response, antibody-coated bacteria, urine, man 5217.
- association, genital tract surgery, treatment, man 7056
- association, kidney scars, cystitis, bacteriuria, treatment, man, reviews 6220.
- association, lipid A antibodies, serum levels, females, man 3208.
- association, pregnancy, man, Nigeria 10385
- association, pyelitis, kidney necrosis, man, case reports 9155.
- association, Pyridoxal serum levels, diabetes mellitus, man 849
- association, renal failure, treatment, cefuroxime, man 861.
- association, renal function, pathology, children 10415.
- association, surgery treatment, vesical reflex, children 10389.
- association, vesicoureteric reflux, children 10416.
- azlocillin, treatment, man 11812.
- bacampicillin treatment, clinical trials, man 13123.
- bacampicillin treatment, man 13186.
- bacteria, antibiotics treatment, man 10355.
- bacteria, antiseptics treatment, man 11821.
- bacteria, association, lithiasis, antibiotics treatment, man 5325.
- bacteria, association, prostate biopsy, man 11827.
- bacteria, augmentin treatment, man 11731.
- bacteria, cefaperazone treatment, bacteria 8002.
- bacteria, cefazolin+dicloxacillin treatment, man 10393.
- bacteria, cefoperazone, clinical trials, man 7996.
- bacteria, cotrimazine, clinical trials, man 7997.
- bacteria, cotrimoxazole, comparison, cotrimazine, clinical trials, man 7998.
- bacteria, diagnosis, methodology, man, reviews 11816.
- bacteria, diagnosis, prophylaxis, geriatrics, man 7035.
- bacteria, immunodiagnosis, immune response (humoral), antibody-coated bacteria, man 4302
- bacteria, netilmicin, antibacterial activity, man 7043.
- bacteria, pathogenesis, treatment, man 11828.
- bacteria, prophylaxis, man, females 4426.
- bacteria, treatment, amoxicillin, bacampicillin, man 7052.
- bacteria, treatment, amoxycillin, man 4425.
- bacteria, treatment, antibiotic 6059-S, children 2016.
- bacteria, treatment, cefaclor, cephalexin, man 4420.
- bacteria, treatment, cefadroxil, side effects, children, man 4404.
- bacteria, treatment, ceftriaxone, man 8047.
- bacteria, treatment, gentamicin, man 4432.
- bacteria, treatment, man 3396.
- bacteria, treatment, piromidic acid, nalidixic acid, man 3397.
- bacteria, treatment, pivmecillinam± pivampicillin, man 867.
- cefaclor treatment, prognosis indicators, C-reactive protein, antibody-coated bacteria, man 10402.
- cefoperazone treatment, man 10601.
- cefotaxime, comparison, cefuroxime, clinical trials, man 6228.
- children, amoxicillin treatment 13200.
- children, antimicrobial agents treatment 13179.
- children, detection, nephrotic syndrome 11796.
- children, +ureter pressure, effects on kidney parenchyma 11795.
- children, +ureter pressure, effects on kidney parenchyma 11815.

Urinary tract infection, (continued)
- cinoxacin treatment, geriatrics 13195.
- cinoxacin treatment, man 13196
- cinoxacin treatment, man, conferences 13550.
- Citrobacter diversus, children, case reports 8003.
- clinical aspects, man 11817.
- diagnosis, antibody-coated bacteria, immunofluorescence, children 855.
- diagnosis, man 7055.
- diagnosis, man, reviews 3398.
- diagnosis, media (culture), man 5322.
- diagnosis, treatment, association, serum proteins levels, man 4294.
- diagnosis, use, lactate dehydrogenase isoenzymes urine levels, man 11819.
- differential diagnosis, bacteriuria, pyuria, man 6231.
- Enterobacter, association, arthritis, diagnosis, treatment, infants, man 7183.
- Enterobacteriaceae, association, spinal cord injuries, man 2081.
- Enterobacteriaceae, pivmecillinam+pivampicillin, clinical trials, man 10396.
- Enterobacteriaceae, treatment, amoxicillin+clavulanic acid, man 11826.
- epidemiology, etiology, man, Libya, Arab Rep. 4437.
- Escherichia coli, animal models, man 13203.
- Escherichia coli, antibodies, levels, children, man 3393.
- Escherichia coli, antibody-coated bacteria, serotyping, man 8927.
- Escherichia coli clinical isolates, serotyping, association, antibiotic resistance 11832.
- Escherichia coli, microflora, incidence, vagina, urethra, females, man 3380.
- Escherichia coli, pathology, diagnosis, man 873.
- Escherichia coli, pathology, reviews, man 6223.
- Escherichia coli, Proteus mirabilis, risks, ileovesical diversion, dogs 5463.
- Escherichia coli, Pseudomonas, etiology, pathophysiology, diagnosis, treatment, man 4433.
- Escherichia coli serotypes, biosynthesis, toxins, hemolysins 1800.
- Escherichia coli, treatment, antibiotic 6059-S, children 2134.
- females, coliforms, diagnosis criteria 13202.
- gram-negative bacteria, amikacin treatment, man 10397.
- gram-negative bacteria, cefotaxime treatment, man 6213.
- gram-negative bacteria, piperacillin, antibacterial activity, clinical trials, man 9146.
- gram-negative bacteria, treatment, fosfomycin, man 7051.
- immunoglobulin A levels, urine, man 3193.
- incidence, children hospitals 2063.
- incidence, clinical aspects, pathogenesis, children 7039.
- incidence, pathogenicity, association, age, man 11813.
- infants, man, diagnosis, use nitrite test 13199.
- isolates, antibacterial activity, antibiotic MK-0366, in vitro 8823.
- Klebsiella, association, ankylosing spondylitis, immune response, saliva immunoglobulins, man 4289.
- man, antibacterial activity, cinoxacin, DNA biosynthesis inhibition 8829.
- man, antibiotics treatment 10394.
- man, bacteria, characterization 11803.
- man, bacteria, role, renal failure 10384.
- man, bacteria, trimethoprim drug resistance 12957.
- man, bacteriuria, gram-negative bacteria, association mortality 8000.
- man, diagnosis, treatment 11800.
- man, gram-negative bacteria, diagnosis, pathology, localization 11798.
- man, isolation, Escherichia coli serotypes, antigen O, antigen H 8943.
- man, pyuria, bacteriuria, characterization 8008.
- man, treatment 11799.
- man, treatment, cefotaxime, antibacterial activity, Enterobacteriaceae, cephalothin resistance 8772.
- man, treatment, cefuroxime, comparison, cefazolin 10411.
- man, treatment, cinoxacin, cotrimoxazole 846.
- man, treatment, nitrofurantoin 10404.
- man, treatment, nitrofurantoin, methenamine 11797.
- nosocomial infection, association, catheters, risk factors, females, man 10405.
- nosocomial infection, bacteria, prophylaxis, cotrimoxazole, man 847.
- nosocomial infection, detection, role, catheters monitoring, man, hospitals 2078.
- nosocomial infection, Providencia stuartii, serotyping, man, hospitals 2082.
- nosocomial infection, serratia marcescens, association, medical instruments, disease control, man 10406.
- pathogens, drug sensitivity testing, Cotrimoxazole 11460.
- penicillin resistance bacteria, treatment, amoxicillin± clavulanic acid, man 11805.
- pivmecillinam+pivampicillin, clinical trials, comparison, cotrimoxazole, man 6230
- prevention, glycosaminoglycans, sodium pentosanpolysulfate, association, bacteria adherence, man 7047.
- prophylaxis, cotrimoxazole, children 5331.
- Pseudomonas aeruginosa, azlocillin treatment, man 11806.
- Pseudomonas aeruginosa, treatment, ceftazidime, netilmicin 5333.
- Pseudomonas aeruginosa, treatment, oral administration, tetracycline, tetracycline 1092.
- Pseudomonas, animal models 850.
- Pseudomonas, Proteus, treatment, piperacillin, man 4421.
- quinolone derivatives antibacterial activity, man, in vitro 1761.
- rabbits, isolation, Staphylococcus, Pseudomonas aeruginosa 9357.
- recurrent infection, treatment, povidone-iodine ointments, man 876.
- relationship, cholestasis, association, pregnancy, man 13208.
- relationship, infertility, cattle, housing, age, effects on 3578.
- relationship, sexual intercourse, man, females 2051.
- role reflux, children 11822.
- screening, urography, man 9161.
- Staphylococcus saprophyticus, children, case reports 11811.
- Streptococcus group B, infants, children 856.
- susceptibility, association, urethra microflora, anaerobic bacteria, females, man 1920.
- treatment, antibiotics, children 848.
- treatment, antibiotics, geriatrics 7031.
- treatment, bacampicillin, Escherichia coli, man 3384.
- treatment, carfecillin, man 7037.
- treatment, cefadroxil powder, children 1007.
- treatment, cefoperazone, man 843.
- treatment, cefotaxime, cefazoline, man 3401.
- treatment, cefotaxime, man, 938.
- treatment, cefotiam, children 1025.
- treatment, cefotiam, man 794.
- treatment, ceftriaxone, man 8051.
- treatment, cinoxacin, comparison, nalidixic acid, man 9159.

Urinary tract infection, (continued)
treatment, cinoxacin, nalidixic acid, man 13194
[illegible]
treatment, cotrimoxazole, amoxicillin, man [illegible]
treatment, cotrimoxazole, comparison, rifampicin + trimethoprim, man 2065
treatment, [illegible], man [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
treatment, minocycline, Serratia marcescens, man [illegible]
treatment, moxalactam, cefazolin, adults, man [illegible]
treatment, moxalactam, man [illegible]
[illegible]
treatment, netilmicin, clinical trials, man [illegible]
[illegible]
treatment, pivmecillinam, man [illegible]
treatment, [illegible], Enterobacteriaceae drug resistance, nalidixic acid, trimethoprim, man [illegible]
treatment, rifampicin + trimethoprim, man [illegible]
treatment, trimethoprim + sulfamethoxazole, man [illegible]
treatment, trimethoprim + sulfamethoxypyrazine, man [illegible]
Ureaplasma urealyticum, kidney transplantation, man 2068
Urinary tract infections,
mezlocillin treatment, clinical trials, man [illegible]
Urine,
antibodies, immunoglobulins, levels, urinary tract mixed infection, man 1899
bacteria, bacteriuria, safranine staining, detection [illegible]
bacteria, growth, antibacterial agents, effects on 1759
clinical isolates, Escherichia coli, production, hydrogen sulfide 3656
culture, bacteria detection, evaluation [illegible]
culture, Enterobacteriaceae, identification, API test, Micro-ID test 4693
culture, gram-positive bacteria, media (selective), Proteus mirabilis 4664
[illegible]
detection, bacteria, Urolithiasis, man [illegible]
Enterobacteriaceae, [illegible], drug resistance, identification, Micro-ID test [illegible]
Enterobacteriaceae identification, Gram stain, Micro-ID test 9559
Escherichia coli, calcium phosphate crystals formation, in vitro, role calculus [illegible]
excretion, man, [illegible], dogs, Pasteurella multocida, inoculation, effects on 2361
hydrolysis, microflora effects on, man 13073
immunoglobulin A, levels, urinary tract infection, man 3193
mucin excretion, gnotobiotic rats, Lactobacillus oral administration effects [illegible]
isolates, man, Serratia marcescens, pili, agglutination 5622
lactate dehydrogenase isoenzymes levels, use, diagnosis, urinary tract infection, man [illegible]
Legionnaires' disease, antigens, detection, radioimmunoassay, man 3343
leukocytes (polymorphonuclear) effects on phagocytosis, Escherichia coli, opsonization, man [illegible]
[illegible]
microflora, man [illegible]
[illegible]
[illegible]
urinary tract infection, antibody response, antibody-coated bacteria, man 5217
Urine retention,
association, Neisseria gonorrhoeae, balanoblennorrhea, man, case reports 4449
[illegible]
[illegible]
[illegible]
[illegible]
mechanisms, use N.M.R., Pseudomonas putida [illegible]
Urogenital tract,
infections, Staphylococcus epidermidis, contamination, catheters, man 3383
Urography,
screening, urinary tract infection, man [illegible]
Urolithiasis,
bacteria, detection, urine, man [illegible]
Ursodeoxycholic acid,
formation, 7β-hydroxysteroid dehydrogenase, Eubacterium aerofaciens, association, mixed culture, Escherichia coli, Bacteroides fragilis 12611
Ursodeoxycholic acid,
Clostridia, chenodeoxycholic acid chemical modification [illegible]
Ursus americanus,
Brucella suis, experimental infection 1063
Ursus arctos horribilis,
Brucella suis, experimental infection 1063
Urticaria,
[illegible]
Uruguay,
[illegible]
USA,
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
man, pelvic inflammatory disease, epidemiology [illegible]
man, pelvic inflammatory disease, epidemiology 354
man, Streptococcus pneumoniae vaccination, reviews 615
[illegible]
man, toxic shock syndrome epidemiology, statistical analysis methodology 10121
man, toxic shock syndrome, incidence, seasonal variations, factors affecting [illegible]
USA, (continued)
man, toxic shock syndrome, morbidity, incidence 10104.
man, toxic shock syndrome, risk factors, statistical analysis 10107
man, toxic shock syndrome, risk factors, statistical analysis 10120
man, [illegible] gastroenteritis, clinical aspects, epidemiology 815
Neisseria gonorrhoeae, infection, penicillinase, surveys, man 2162
nosocomial infection, incidence, epidemiology, risk factors, man 10522
pigs, Erysipelothrix rhusiopathiae, serotypes, incidence 1319
pigs, Mycoplasma flocculare isolation 1083
Salmonella, animal isolates, clinical isolates, antibiotic resistance, plasmids association, epidemiology 12927.
salt marshes, methanogenesis 1232.
travelers, man, disease transmission, plague, Yersinia pestis, case reports 8073.
wildlife, Brucella abortus infection, epidemiology 8120.
USA, Alaska,
man, meningitis, outbreaks, disease control 11834.
USA, Arkansas,
Mephitis mephitis, leptospirosis, incidence 5452.
tuberculosis, nosocomial infection, incidence, geriatrics institutions, man 10478
USA, California,
Cervus elaphus nannodes, paratuberculosis, diagnosis, pathology, incidence 8105.
goats, Mycoplasma putrefaciens seroepidemiology 1080
halophilic bacteria isolation, morphology, cell shape 12327.
plant communities, nitrogen fixation, nitrogen-15 levels, environmental conditions 12159
Rocky Mountain spotted fever, Rickettsia, Acarina vectors, Mammalia hosts 1031.
Staphylococcus aureus, cattle, cow's milk, drug sensitivity testing, Brazil 7869.
yellow leaf-roll, Prunus persica, incidence, distribution, association, Pyrus orchards 10744
USA, California Coast,
[illegible] orthophosphate uptake, metabolism, seasonal variations 2484
USA, Colorado,
cattle, Antilocarpa american, Leptospira interrogans ser.hardjo infection, seroepidemiology 8115
clinical isolates, Campylobacter fetus subsp jejuni enteritis 6206.
environments, bacteria, soil microorganisms, metabolism, association 6518.
zoological gardens, animals, isolation, Campylobacter fetus subsp.jejuni 8114.
USA, Connecticut,
Rickettsia rickettsii, isolation, incidence, Dermacentor variabilis, Peromyscus leucopus, Procyon lotor 1004
USA, Delaware,
botulism, chickens, case reports 6336.
USA, East Coast,
recreation sites, microbial pollution, relationship gastroenteritis, man 11761.
USA, Florida,
birds, Chlamydia psittaci infection, incidence 10647.
forests wetlands, nitrogen fixation, acetylene reduction, nitrogenase activity 9462.
isolation, Neisseria gonorrhoeae, penicillin antibiotic resistance, penicillinase biosynthesis 1754
man, cattle, Leptospira interrogans, ser. hardjo, ser. pomona, infection, incidence, diagnosis 2381
Meleagris gallopavo, isolation, Salmonella 1049
Zea mays diseases, epidemics, association, corn stunt spiroplasma 9398
USA, Georgia,
Lycopersicon esculentum, leafspot, association, Pseudomonas syringae 2409
swamps, peat, methanogenesis 8178.
USA, Great Dismal Swamp,
leaf litter decomposition, nutrient dynamics 9469
USA, Illinois,
collections, Actinomyces, taxonomic revision 9576
USA, Iowa,
man, Staphylococcus aureus toxic shock syndrome, case surveys 7184.
USA, Kentucky,
man, juveniles, incidence, periodontitis 13111.
USA, Louisiana,
fresh water, Vibrio cholerae isolation, enterotoxins biosynthesis 469.
salt marshes, nitrogen fixation 1159.
USA, Massachusetts,
man, dental caries, epidemiology, relationship, fluoridation 721.
USA, Michigan,
hospitals, man, endocarditis, Streptococcus faecalis, Staphylococcus, etiology 4496
legionnaire's disease, seroepidemiology, man 6984
USA, Minnesota,
man, case surveys, toxic shock syndrome, clinical aspects, pathology 10116.
surveillance, incidence, toxic shock syndrome, man 10102.
USA, Mississippi,
man, Streptococcus group A, rheumatic fever, epidemiology 2300
USA, Missouri,
Yersinia enterocolitia, gastroenteritis, incidence, seasonal variations, man 3357
USA, Montana,
Dermacentor andersoni isolates, Rickettsia, serotyping 49.
USA, New York,
breeding houses, Falco peregrinus, Salmonella infection, incidence, pathogenesis 8100.
Bremia lactucae infection, Lactuca sativa, virulence 13450.
coastal waters, bacteria, sediments attachment, growth, vertical distribution, USA, New York 10808
institutions, man, incidence, bacteria infection, surveys 1011.
Marmota monax, Mephitis mephitis, Procyon lotor, occurrence, Dermatophilus congolensis infection 3636
USA, North Carolina,
Glycine max, +Rhizobium japonicum, ± irrigation, effects on yield 1225.
Rhizobium trifolii, population studies, seasonal variations 3731
USA, Ohio,
water supplies, aerobic bacteria, anaerobic bacteria, heterotrophic microorganisms, enumeration 10811
USA, Oregon,
cattle, botulism 5367
man, toxic shock syndrome, risk factors 11489
USA, Pennsylvania,
Medicago sativa, Serratia marcescens crown rot 12104.

USA, Puerto Rico,
pigs, Erysipelothrix rhusiopathiae, serotypes, incidence 1319
USA, South Carolina,
hospitals, man, bacteremia, nosocomial infection, incidence 2233
USA, Tennessee,
nosocomial infection, clinical isolates, antibiotic resistance, Serratia marcescens, man 10605
zoological gardens, Serpentes, stomatitis, association, bacteria oral microflora 8121
USA, Texas,
antibiotic resistance, penicillin, Streptococcus pneumoniae, incidence 5937
Corvus brachyrhynchos, Pasteurella multocida fowl cholera outbreaks 5475
USA, Utah,
man, toxic shock syndrome, surveillance, incidence 10133
USA, Vermont,
lakes, sediments, bacteria, antibiotic resistance, drug resistance, antibiotics 2462
USA, Virginia,
hospitals, man, nosocomial infection, colonization, Pseudomonas cepacia, epidemiology 10535
marine environment, sediments, bacteria, distribution, identification, association, pollution 12158
USA, Washington,
mountains, environmental changes, effects on population levels, heterotrophic bacteria, lakes 12155
USA, Wisconsin,
hospitals, man, Streptococcus pneumoniae diseases, serotypes incidence 7157
lakes, eutrophic environments, heterotrophic bacteria, biomass, production 8244
man, toxic shock syndrome, incidence, association, publicity 10100
man, toxic shock syndrome, incidence, statistical analysis 10105
mycobacteriosis, Mycobacterium avium-intracellulare, lung, man, case surveys 6167
rivers, Yersinia enterocolitica incidence, seasonal variations 6435
USSR,
agricultural practices effects on soil microorganisms activity 1168
astronauts, Lactobacillus, isolation, characterization 1919
chernozem, microflora, Streptomyces flavus, Stachybotrys parvispora 13471
fruit trees, disease resistance, infection, Mycoplasma, viruses, incidence 2417
gold ores deposits, bacteria, contamination 8165
hot springs, isolation, Rhodopseudomonas sphaeroides, characterization 13518
lakes, bacterioplankton, oxygen uptake 12187
lakes, incidence, heterotrophic bacteria 12172
mines waste disposal sites, bacteria effects on plants development 13455
rivers, oil biodegradation, bacteria distribution 13516
soil, polysaccharides biodegradation, role, bacteria 10991
syphilis, diagnosis, serological tests, standardization 3423
Uterus,
abscesses, Brucella canis, dogs, case reports 2340
bacteria, salpingitis, association, intrauterine devices, man, case reports 2096
fistulae, Fusobacterium necrophorum, case reports, man 7042
infection, Actinomyces israelii, man, case reports 863
infection, Fusobacterium necrophorum, Corynebacterium pyogenes, synergism, postparturition, cattle 2371
infection, prophylaxis, treatment, cefmetazole, pregnancy, effects on fetuses, man 869
UTP,
Pseudomonas aeruginosa, metabolism, radioactive labelling 4762
Uveitis,
association, syphilis, man, case surveys 9199
role, Klebsiella pneumoniae, cross-reactivity, lymphocytes + histocompatibility antigen HLA B27 determinant, man 10186

Vaccination,
adolescents, reviews 611
Alcaligenes faecalis, rhinotracheitis, turkeys 6123.
antigens, Neisseria meningitidis vaccines methodology, antigens, epidemiology 10252
bacteria, association, pregnancy, man 11633.
bacteria diseases, children 10250
Bacteroides corrodens, rats, effects on, bone loss, jaw 554.
Bacteroides nodosus, antibody response, foot rot, sheep 629
Bacteroides nodosus vaccines, antibody response, foot rot, sheep 653
BCG, association, leprosy, man, case reports 696
BCG, association, tuberculin sensitivity, children 1911.
BCG, association, tuberculosis, children 4336.
BCG, Clostridium diphtheriae, Rickettsia prowazekii, Clostridium tetani, reviews 10260.
BCG, complications, man, reviews 9027.
BCG, effects on leukemia, children 652.
BCG, effusion, man 3251.
BCG, hypersensitivity (delayed), association, nutritional status, children 9029
BCG, prophylaxis, leprosy, children, Uganda 3241.
BCG, tuberculin skin tests, age effects, children 660
blood donors, infectious diseases, bacteria 12012
Bordetella bronchiseptica, antibody response, dogs 635
Bordetella bronchiseptica, antibody response, pigs 625.
Bordetella pertussis + Clostridium tetani + Corynebacterium diphtheriae, side effects, infants, children, man 3246.
Bordetella pertussis, effects on lipid metabolism, hamsters 1910.
Bordetella pertussis, man 613.
Bordetella pertussis, neonates, man 637.
Bordetella pertussis, polymyxin B effects on toxicity 3256.
Bordetella pertussis, prophylaxis, pertussis, man 1977.
Bordetella pertussis, thymectomy, association, immune system, mice 6119
Brucella abortus, antibody response, cattle 7956.
Brucella abortus, cattle, juveniles 4328.
+Brucella abortus experimental infection, association, leukocyte migration inhibition, cattle 9037.
Brucella abortus, lymphocytes immune response, levamisole immunostimulation, cattle 6128.
Brucella, association, antibiotics effects on immune response, rabbits 10254
Brucella, effects on, reproduction, cattle, Ivory Coast 1912.
Brucella, immunoglobulin E, immune response, man 10257.
Brucella melitensis, prophylaxis, Brucella ovis, infection, sheep, males 4327

Vaccination, (continued)
Campylobacter fetus, cattle 622
Campylobacter fetus, detection, Tritrichomonas foetus, agglutinins, cattle 4334
Campylobacter fetus subsp venerealis, immunity, cattle 11646
children, BCG, association tuberculosis 13061
Chlamydia, louping-ill virus, role, immunosuppression, Toxoplasma gondii, toxoplasmosis, sheep 5262
clinical trials, gram-negative bacteria, nosocomial infection, bacteremia, man 11636
Clostridium botulinum type C, ferrets 612
Clostridium hemolyticum, immune response, redwater, cattle, 628
Clostridium perfringens toxoids, juveniles, sheep 7958
Clostridium tetani, antibody response, man 6135
Clostridium tetani, factors affecting, horses 1915
Clostridium tetani, immunity, association, antibody response, immunoglobulin G, man, reviews 4353
Clostridium tetani, Mycobacterium tuberculosis, adults, man 4331
Clostridium tetani, tetanus, immunity, dosage, man 4352
Clostridium tetani, tetanus, man 4346
Clostridium tetani toxins, relationship, antibodies induction immunosuppression, infants, man 1914
Clostridium tetani toxoids, antibody response, man 5254
Clostridium tetani toxoids, association, lymphocytes inhibition antibodies biosynthesis, man 4333
Clostridium tetani toxoids, maternal transfer antigen-antibody complexes, guinea-pigs 9038
Corynebacterium catarrhalis, association, Listeria monocytogenes infection, mice, disease resistance 11652
Corynebacterium diphtheriae + Bordetella pertussis + Clostridium tetani, abscesses complications, injection sites, man 661
Corynebacterium parvum, toxicity, bronchus carcinoma, man 11635
Coxiella burnetii antigens, immunity (cell-mediated), lysozyme effects on, guinea-pigs 575
Coxiella burnetii, complement fixation, agglutination, detection, antibodies 507
Dermatophilus congolensis, antibody response, cattle 5261
disease control, Mycoplasma pulmonis infection, mice, rats, laboratory animals 10271
efficacy, campylobacteriosis, males, cattle 3259.
Enterobacteriaceae enteritis, infection prophylaxis, animal models, man 11647
Erysipelothrix rhusiopathiae + antibiotics, immunosuppression, mice 646
Erysipelothrix rhusiopathiae, pigs, evaluation, immunization (passive), mice 13059
Erysipelothrix rhusiopathiae, pigs, mice, susceptibility, infection 626
Erysipelothrix rhusiopathiae + medicine feed additives, swine erysipelas prophylaxis, immune response, pigs 5255
Escherichia coli,
Escherichia coli, antibody response, antigen O, antigen K, mice 659
Escherichia coli, antibody response, neonates, man 662
Escherichia coli colonization factor antigens, diarrhea, animal models 663
Escherichia coli, effects on, antitoxins, levels, serum, pigs 1885.
Escherichia coli, pregnancy, antibody response, maternal transfer, immunity (passive), juveniles, pigs 5257
Escherichia coli, prophylaxis, Escherichia coli pyelonephritis, antibody response, rats 5260
Francisella tularensis, rats 6134
goats, antibody response, foot-and-mouth disease virus antigens, cloning Escherichia coli 9828
guinea-pigs, Leptospira, serotypes, envelopes, vaccines, preparation 11651
Haemophilus influenzae, clinical trials, relationship, age, children 11649
Haemophilus influenzae, effects on infection kinetics, animal models 965
Haemophilus influenzae type b polysaccharides + proteins complex, antibody response, man 3243
Haemophilus parahaemolyticus, pleuropneumonia, pigs 665
Haemophilus parasuis, immunity, pigs 13054
immunity, Clostridium tetani, tetanus, man 5205
influenza virus + Streptococcus pneumoniae, side effects, man 614
killed Listeria monocytogenes, immunity, mice 6116
Leptospira interrogans, leptospirosis, cattle 11650
Leptospira interrogans ser.pomona pigs 1950
Leptospirosis, immunity, hamsters 9053
live Escherichia coli, immunoglobulin A, serum levels, pregnancy, pigs 4339
live Listeria monocytogenes, immunity (cell-mediated), macrophages, mice 4343
Maraxella bovis, keratoconjunctivitis, immune response, juveniles, cattle 9050
mastitis prophylaxis, cattle 7244
measles, side effects, differential diagnosis, toxic shock syndrome, adolescents, case reports 5321
mice, Staphylococcus aureus 13055
mice, vaccines, Neisseria meningitidis polysaccharides coupling Clostridium tetani toxoids 5252
Micrococcus luteus, antibody response, lysozyme antibodies, rabbits 1913
Moraxella bovis, keratoconjunctivitis, cattle 636.
Mycobacterium leprae, leprosy, man 3245
Mycoplasma gallisepticum, chickens 10270
Mycoplasma gallisepticum, effects on egg laying, chickens 6122
Mycoplasma gallisepticum extracts, antigenicity, chickens 5263
Mycoplasma hyopneumoniae, immune response, pigs 7232
Neisseria gonorrhoeae, pili, immunity, guinea-pigs 10267
Neisseria gonorrhoeae ribosomes, immunity, guinea-pigs 10248
Neisseria meningitidis + Clostridium tetani combined vaccines, man 658
Neisseria meningitidis, immune response, children, man 4326
Newcastle disease virus, immune response (humoral), suppression, Mycoplasma meleagridis infection, turkeys 4303
parainfluenza virus, prophylaxis, Bordetella bronchiseptica, tracheobronchitis, dogs 3645
Pasteurella haemolytica, Pasteurella multocida, immunity challenge, cattle, bovine rhinotracheitis virus infection effects on 9039
Pasteurella multocida, effects on, lymphocytes, proliferation, rabbits 10266.
Pasteurella multocida, fowl cholera, chickens 633
Pasteurella multocida, immune response, rabbits 3248
Pasteurella multocida, role, immunity, pasteurellosis, rabbits 6127
pertussis, children 6132
pertussis, efficacy, man 2010
pertussis, immune response, children 7957
pertussis, man 13058
pertussis, oral administration, man 13057
pneumonia, Pseudomonas aeruginosa, cross-protection Escherichia coli, guinea-pigs

Vaccination, (continued)
3250.
polysaccharides, macrophages, phagocytosis, Streptococcus pneumoniae, opsonization 3196.
prophylaxis, Clostridium tetani, tetanus, man 4347.
prophylaxis, Clostridium tetani, tetanus, man 4348.
prophylaxis, Clostridium tetani, tetanus, man 4349
prophylaxis, Clostridium tetani, tetanus, man 5247.
prophylaxis, Clostridium tetani, tetanus, man, Italy 5360.
prophylaxis, dental caries, development, man 3247.
prophylaxis, diseases, man 9045.
prophylaxis, Pasteurella, infection, cattle, juveniles 4344.
Pseudomonas aeruginosa antigen O, synthesis, rabbits 7915.
Pseudomonas aeruginosa, M form, slimes, immunity, keratitis, rabbits 9062.
Pseudomonas aeruginosa, temperature-sensitive mutant, immunity, mice 10264
respiratory syncytial virus, antibody response, infection prophylaxis, cattle, juveniles 4350.
Salmonella abortis-ovis, salmonellosis, sheep, oral administration 11644.
Salmonella abortus ovis, abortion prophylaxis, sheep, 3242.
Salmonella abortus-equi vaccines, inactivation, β-propiolactone glutaraldehyde, rabbits, guinea-pigs 4340.
Salmonella abortus-ovis, side effects, abortion, sheep 9061.
Salmonella dublin, immunity (cell-mediated), cattle 624
Salmonella gallinarum, antibody response, chickens 6130.
Salmonella, immunity (cell-mediated), mice 9059
Salmonella typhi, man 5246.
Salmonella typhi, oral administration, typhoid fever, animal models 4337.
Salmonella typhi ribonucleoproteins, immunogenicity, mice 9034.
Salmonella typhimurium, immunity (humoral), role, mice 10261.
Salmonella typhimurium, mice, immunological aspects 6138
Salmonella typhimurium, porins, role, lipopolysaccharides, mice 3255.
Salmonella typhosa, hyperimmunization, immune response, dogs, rabbits 9025.
Salmonidae, Yersinia ruckeri, vibrio anguillarum 10251.
septicemia, Streptococcus pneumoniae, case reports, man 9305.
sheep, Pseudomonas aeruginosa, production, immune serum 8917
Shigella flexneri antigens, immunoglobulin A immunological memory, rabbits 6906.
Staphylococcus aureus, effects on opsonins biosynthesis, sheep 10244.
Streptococcus, man immunoglobulin G antibodies production, rabbits 9066.
Streptococcus mutans, antigens, dental caries, Macaca fascicularis, characterization 6131.
Streptococcus mutans, antigens, prophylaxis, dental caries, monkeys 3254.
Streptococcus mutans, prophylaxis dental caries, man 9042.
Streptococcus pneumoniae, antibody response, geriatrics, institutions 643.
Streptococcus pneumoniae, antibody response, Hodgkin's disease, children 645.
Streptococcus pneumoniae, antibody response, Hodgkin's disease, head and neck carcinoma, 658.
Streptococcus pneumoniae, antibody response, infants, man 641.
Streptococcus pneumoniae, antibody response, lung diseases, man 631.
Streptococcus pneumoniae, antibody response, man 640.
Streptococcus pneumoniae, antibody response, man 654.
Streptococcus pneumoniae, antibody response, man 655.
Streptococcus pneumoniae, antibody response, measurement, man 638.
Streptococcus pneumoniae, antibody response, otitis media, children 649.
Streptococcus pneumoniae, antibody response, sickle cell disease, man 657.
Streptococcus pneumoniae, association, splenectomy, children 6136.
Streptococcus pneumoniae, children, Papua New Guinea 616.
Streptococcus pneumoniae, efficacy mathematical models, man 11642.
Streptococcus pneumoniae, endocarditis prophylaxis, animal models, in vivo, in vitro 618.
Streptococcus pneumoniae, geriatrics, institutions 644.
Streptococcus pneumoniae, Haemophilus influenzae, Clostridium tetani, antibody response, Hodgkin's disease, man 650.
Streptococcus pneumoniae, immune response, association, kidney diseases, man 5256.
Streptococcus pneumoniae, immune response, kidney transplantation, man 6133.
Streptococcus pneumoniae, immunocompromised hosts, kidney transplantation, effects on immune response (humoral), man 627.
Streptococcus pneumoniae, infants, man 639.
Streptococcus pneumoniae, man 630.
Streptococcus pneumoniae, man, case reports 9057.
Streptococcus pneumoniae, man, cost-benefit analysis 617.
Streptococcus pneumoniae, man, reviews 9093
Streptococcus pneumoniae, man, reviews, USA 615.
Streptococcus pneumoniae, Neisseria meningitidis, Haemophilus influenzae, immunoglobulin A, immunoglobulin G, serum levels, man 10246.
Streptococcus pneumoniae, otitis media, children 647.
Streptococcus pneumoniae, otitis media, infants, man 648.
Streptococcus pneumoniae polysaccharides, antibody response 6933.
Streptococcus pneumoniae polysaccharides, antibody response, association, diabetes mellitus, children 9055
Streptococcus pneumoniae polysaccharides, immunity, maternal transfer, man, mice 6932
Streptococcus pneumoniae, role, prophylaxis, otitis media, antibody response, chinchillas 6999
Streptococcus pneumoniae, side effects, man 10253.
Streptococcus pneumoniae, use, reviews, man 5258.
streptomycin dependent Escherichia coli, effects on, enterotoxemia, pigs 6929.
technology, children, infection, viruses, bacteria 10258.
tetanus, immunity, children, man 4351.
tetanus, man 6928
tetanus toxoids, hypersensitivity (delayed), case surveys, man 5259.
toxoids, diphtheria, antibodies levels, guinea-pigs 11645.
tuberculosis, epidemiology, man 13056.
Vibrio anguillarum, Yersinia ruckeri, juveniles, Salmonidae 10249.
Yersinia enterocolitica, effects on feces clearance Yersinia enterocolitica, antibody response, mice 10259.
Yersinia enterocolitica, Yersinia pseudotuberculosis, cross-protection, mice 6137.
Yersinia pseudotuberculosis, Seriola quinqueradiata 1908.

Vaccines,
adolescents, reviews 611.
Anaplasma marginale subsp.centrale, cryopreservation, association, infectivity, cattle 9047
animals, man, nomenclature, preparation 10274.
antigenicity, screening, Corynebacterium diphtheriae, tetanus, pertussis, children 5250

Vaccines, (continued)
assays, Salmonella typhimurium, hybrids, Salmonella typhi, antigens, mice 11632.
Bacteroides nodosus, antigens, association, pili, immunization, sheep, foot rot 10247.
Bacteroides nodosus, vaccination, antibody response, foot rot, sheep 653.
BCG, immunization methodology, children 9060.
BCG, light effects on 6124.
BCG, man, characterization 9043.
Bordetella pertussis, adjuvanticity, encephalitis side effects, children 6930.
Bordetella pertussis, development 613.
Bordetella pertussis histamine sensitization factors effects on heart, toxicity, rats 6092.
Brucella abortus, temperature, vacuum, effects on freeze-drying 13052.
brucellosis, bioassays 10275.
children, infection, tuberculosis, reviews 9049.
Chlamydia psittaci, pneumonitis, immunity, cats 13063.
cholera, Vibrio cholerae enterotoxins genes, use 7654.
Corynebacterium parvum cell walls, biological activity 11634.
Corynebacterium parvum, immunotherapy, breast carcinoma, man 9036.
development, Escherichia coli enterotoxins 11638.
development, genetic engineering 4335.
development, synthetic antigens, Corynebacterium diphtheriae 10268.
development, viruses antigens cloning, bacteria, conferences 10829
diarrhea, Vibrio, man, reviews 11776.
Erysipelothrix rhusiopathiae+penicillin derivatives, immunosuppression, mice 623.
Escherichia coli, antigen K, antibody response, rabbits 4277.
Escherichia coli plasmids, hepatitis B surface antigen gene expression, antibody response, rabbits 9867.
Escherichia coli, prophylaxis, scours, cattle 10276.
Freund's adjuvant, Salmonella gallinarum, Salmonella enteriditis, fowl typhoid, hypersensitivity (delayed), chickens 4325.
gene mapping, Escherichia coli, enterotoxins, toxoids, plasmids, recombinants 2939.
Haemophilus parahaemolyticus, field trials, pigs 10255.
immunological aspects, Coxiella burnetii experimental infection, Q fever, man 11643.
induction, splenomegaly, macrophages, phagocytosis, Propionibacterium acnes, mice 10265.
killed Bordetella bronchiseptica, immunogenicity, mice 9041.
Klebsiella pneumoniae, antigenic relationship, ribosomes, polysaccharides 3244.
Leptospira, preparation, association, protein-free media, immunogenicity, dogs 9046.
Leptospira serotypes, comparison, immunogenicity, immune response, hamsters, dogs 9044
Leptospira, serotypes, envelopes, preparation, vaccination, guinea-pigs 11651.
live, Salmonella abortus-ovis, mutants, efficacy, screening, mice 3253.
live, vibrio cholerae, effects on macrophages phagocytosis, pigs 9033.
methodology, Neisseria meningitidis antigens, vaccination, man, epidemiology 10252.
Mycoplasma, antigens 10269.
Mycoplasma, man, domestic animals, conferences 10837.
Mycoplasma mycoides subsp. mycoides, contagious caprine pleuropneumonia, 651.
Mycoplasma pneumoniae, challenge assays, immunity, hamsters 10273.
Mycoplasma pneumoniae polysaccharides, antigens, immunity, animal models 10272.
Neisseria meningitidis, capsules polysaccharides, immune response, man 6129.
Neisseria meningitidis group A polysaccharides, man, meningitis, effects on disease transmission, nasopharynx 9032.
Neisseria meningitidis polysaccharides, clinical trials, immunological aspects, man 6121
Neisseria meningitidis polysaccharides, coupling, Clostridium tetani toxoids, vaccination, mice 5252.
Pasteurella multocida, antigenicity, development 1909.
pertussis, children, characterization 9026.
pertussis, dose-response effects, bioassays, computer applications 4338.
pertussis, lymphocytosis, sphenomegaly, gnotobiotics, mice 9031.
polysaccharides, Klebsiella, Streptococcus pneumoniae, cross-reactivity, immune response, immunodiffusion, mice 3184.
production, bacteria, genetic engineering 2859.
production, Bordetella pertussis, phages, release 1650.
production, brucellosis, immunological aspects, sheep, goats 11637.
production, hepatitis B surface antigen gene expression, Escherichia coli, antibody response, mice 9826.
production, Shigella sonnei, I antigen gene, transfer, Salmonella typhi 5835.
prophylaxis, gonorrhea, bacteremia, man 3257.
Pseudomonas aeruginosa endotoxins, effects on leukocytes (neutrophilic) phagocytosis, bactericidal activity, rabbits 9035.
pyrogenicity, man, Limulus lysate test, rabbit pyrogen test 6934.
Salmonella abortus-equi, inactivation, β-propiolactone, glutaraldehyde, vaccination, rabbits, guinea-pigs 4340.
Salmonella typhi, typhoid fever, clinical trials, children 6125.
Salmonella typhimurium, salmonellosis, immunity, cattle 13060.
Staphylococcus aureus, immune response, lymph nodes, sheep 3252.
Staphylococcus aureus, mastitis prophylaxis, sheep 619.
Streptococcus group B, effects on hemagglutinins serum levels, blood groups, man 10256.
Streptococcus pneumoniae 640.
Streptococcus pneumoniae 643.
Streptococcus pneumoniae, antibody response, kidney transplantation, immunocompromised hosts, man 11640.
Streptococcus pneumoniae, characterization 13062.
Streptococcus pneumoniae, conferences 7350.
Streptococcus pneumoniae, development 521.
Streptococcus pneumoniae, development, reviews 5251.
Streptococcus pneumoniae, diseases, man, developing countries 7194.
Streptococcus pneumoniae, man 1017.
Streptococcus pneumoniae, polysaccharides, characterization, antigenicity 642.
Streptococcus pneumoniae polysaccharides, conferences 1250.
Streptococcus pneumoniae, polysaccharides, immunogenicity, man 11639.
treatment, Streptococcus pneumoniae infection, man, epidemiology 7980.
typhoid fever 6120.
Yersinia pseudotuberculosis, development 1908.

Vaccinium ashei,
stunt, Mycoplasma-like organisms detection 5500.

Vaccinium myrtillus,
witches' broom, etiology, mycoplasma-like organisms 9416.

- **Vaccinium vitis-idaea,**
  - witches' broom, etiology, mycoplasma-like organisms 9416.
- **Vacuum,**
  - effects on freeze-drying, Brucella abortus vaccines 13052
  - effects on membrane permeability, Serratia marcescens, Escherichia coli, Corynebacterium luteum 12282
  - effects on yeasts, bacteria, morphology 12299.
  - milking machines, effects on, Staphylococcus aureus, mastitis, cattle 4570.
  - milking machines, role mastitis, cattle 10673
- **Vacuum packaging,**
  - fish, botulism risks 5338
- **Vagina,**
  - adherence, Staphylococcus aureus, relationship, toxic shock syndrome, man 3390.
  - bacteria microflora, association, menstrual cycle, association, catamenial products use, man 10283
  - bacteria microflora, association, menstrual cycle, man 10281
  - biochemical analysis, bacteriology, association, menstruation, man 10553.
  - candidiasis, Corynebacterium vaginale, concurrent infection, man 3391.
  - colonization, antibiotic resistance aerobic bacteria, association, antibiotics treatment endometritis, man 11809
  - discharges, isolation, Haemophilus ovis, sheep, Canada 7234.
  - discharges, treatment, Lactobacillus acidophilus, pH effects, man 3388.
  - epithelium cells, bacteria, fungi, adherence 4721.
  - Haemophilus vaginalis, infection, diagnosis, clinical aspects, man 4494
  - hysterectomy, ceforanide, comparison, cephalothin, prophylaxis, infection association, man 11987
  - incidence, Escherichia coli, microflora, urinary tract infection, females, man 3380.
  - incidence, Streptococcus group D, coliforms, Lactobacillus, Candida albicans, man 3375.
  - infection, Actinomyces israelii, Actinomyces naeslundii, Arachnia propionica, relationship intrauterine devices, man 13187.
  - infection, Streptococcus group B, detection, fluorescent antibody test, association, pregnancy, man 4427.
  - isolation, man, assays, man 10284.
  - man, colonization, Enterobacteriaceae, recurrent cystitis, menstrual cycle effects on 9145
  - microflora, anaerobic bacteria, association, menopause, man 3269
  - microflora, association, ovulation detection, cattle 10642
  - Staphylococcus aureus colonization, risk factors, man 10409
  - Staphylococcus aureus infection, source, man 10407
  - Staphylococcus aureus, toxins, toxic shock syndrome, man 1018
  - Streptococcus group B adherence, association, menstrual cycle, man 1352.
  - Streptococcus group B carriage, pregnancy, man 970
- **Vaginitis,**
  - anaerobic bacteria, metronidazole treatment, clinical aspects, man 11802
  - Corynebacterium vaginale, clinical aspects, diagnosis, man 5334.
  - etiology, Gardnerella vaginalis, treatment, man 9162
  - man, anaerobic bacteria characterization 13204
  - man, anaerobic bacteria characterization 13205.
  - treatment, diagnosis, reviews, man 9157.
  - Trichomonas vaginalis, diagnosis, biochemical characteristics, putrescine, cadaverine, clinical aspects, man 7041.
- **Valeramidase,**
  - Alcaligenes eutrophus, regulation, metabolism, carbon sources 1553.
- **Validamycin,**
  - Flavobacterium saccharophilum, biodegradation, intermediates, structure 2638.
- **Valine,**
  - association keto acid dehydrogenase, Pseudomonas putida 5784.
  - inhibition, acetohydroxy acid synthase, ilv locus, Escherichia coli 8684
  - inhibition, Escherichia coli, mutants, growth, ilvB operon 2873
  - substrate specificity, Pseudomonas putida dihydrolipoamide reductase, effects on keto acid dehydrogenase 5775.
  - Thiobacillus acidophilus, distribution, incorporation 1475
- **Valinomycin,**
  - effects on thermodynamics proton transport, bacteriorhodopsin liposomes 4715.
- **Valves,**
  - heart, abscesses, association, endocarditis, echocardiography, man 10452
  - heart diseases, association, endocarditis, bacteria, treatment, antibiotics, man 1043
  - heart, replacement, antibiotics sterilization, prophylaxis, graft-versus-host reaction, man 1006.
  - heart, replacement, association, bacteria endocarditis, man 10448
- **Valyl-tRNA synthetase,**
  - purification, characterization, Mycobacterium tuberculosis 4025.
- **Valyl-tRNA Val,**
  - GTP elongation factor Tu complex, X-ray scattering, Escherichia coli 3899.
- **Vanadic acid,**
  - inhibition adenosinetriphosphatase, membrane vesicles, Mycobacterium phlei 3967.
- **Vancomycin,**
  - antibacterial activity, gram-positive bacteria 1716.
  - comparison teichomycin, antibacterial activity, Streptococcus group D, Staphylococcus 5931.
  - +Martin-Lewis medium, inhibition, Neisseria gonorrhoeae, clinical isolates, association, susceptibility, plasmids charactrization 7376
  - media (selective), effects on Neisseria gonorrhoeae, antibiotic sensitivity testing 6817.
  - +rifampicin, antibacterial activity, Staphylococcus aureus 369.
  - +rifampicin, treatment, meningitis, Staphylococcus epidermidis, man, case reports 885.
  - treatment, acidosis, diagnosis, microflora, case reports, gastrointestinal tract, man 13070.
  - treatment, bacteria infection, man, susceptibility, antibacterial activity 11413.
  - treatment, Clostridium difficile, colitis, man 4415.
  - treatment, periodontal diseases, bacteria, reviews, man 6954.
  - treatment, Staphylococcus aureus infection, neutropenia side effects, children, case reports 6312.
  - treatment, Streptococcus mitior endocarditis, pregnancy, man 7169.
  - treatment, ventriculitis, Staphylococcus aureus, man 2225.
  - +trimethoprim, media (selective), isolation, Bramhamella catarrhalis, Neisseria, respiratory tract isolates 3753.
- **Variamycin B,**
  - Streptomyces olivovariabilis sp.nov., production, isolation, characterization 7714.
- **Varicella,**
  - complications, arthritis, Staphylococcus aureus, children, case reports 946.
- **Varicella-zoster virus,**
  - herpes zoster, incidence, cancer patients 3455.
  - plaque formation, minks lung cell culture 3776.
- **Vascular permeability factor,**
  - association toxins production, Clostridium botulinum 6000.
  - biosynthesis, nutrient requirements, trace elements, phosphates, Vibrio cholerae 237.
  - Vibrio cholerae, biosynthesis, nutrient requirements, trace elements, phosphate 2847.
- **Vascular system,**
  - pathology, Circhorium intybus, Pseudomonas fluorescens, plant diseases 5499.
  - permeability, dogs, Escherichia coli endotoxins, hemorrhage, effects on 11500.
- **Vasculitis,**
  - association, obesity, treatment, antigen-antibody complexes, Klebsiella pneumoniae, immune complex diseases, man 7942.
  - association, paratyphoid fever, lesions, man, case reports 11947.
- **Vasodilators,**
  - Streptomyces aureofaciens, biosynthesis, isolation 7637.
  - Streptomyces aureofaciens, biosynthesis, structure 7638.
- **Vasopressin,**
  - plasma levels, relationship, Escherichia coli septic shock, animal models 11962.
- **Vateria indica,**
  - essential oils, antifungal activity, antibacterial activity 5138.
- **VDRL test,**
  - syphilis diagnosis, man 2141.
- **Vectors,**
  - Acarina, Rocky Mountain spotted fever, Rickettsia, USA, California 1031.
  - Anguina funesta, Lolium rigidum toxicity, Corynebacterium, biological control, Dilophospora alopecuri 5164.
  - Arthopoda, Rickettsia prowazekii experimental infection, Glaucomys volans 1135.
  - Cicadellidae, X disease, Mycoplasma, orchards, Prunus persica 5505.
  - cloning, construction, characterization, use plasmid pBR322 4973.
  - Ixodes redikorcevi, disease transmission, tularemia, epidemiology, Rodentia 13382.
  - Ollarianus balli, Mycoplasma 8128.
  - Ornithodoros coriaceus, disease transmission Chlamydia, cattle 10711.
  - salmonellosis, Insecta, Rodentia, animals, man, urban environment 9229.
- **Vegetable oil,**
  - effects on Thermoactinomyces vulgaris proteinase metabolism 11453.
- **Vegetation,**
  - airborne particulates filtration, aerosols, wastewater treatment, effects on 8237.
- **Vegetative cells,**
  - growth, albumen, inhibition, Bacillus cereus, spore germination 9619.
- **Veillonelae,**
  - dental plaque, rats, trace elements, drinking water, effects on 732.
- **Veillonella,**
  - antibacterial activity, ceftizoxime, cefoperazone, cefoxitin, comparison, in vitro 3005.
  - dental plaque microflora, man, New Zealand 725.
  - enumeration, identification, dental plaque, children 13075.
  - isolation, tonsillitis, recurrent infection, children 1989.
  - lactate metabolism 4954.
- **Veillonella alcalescens,**
  - periodontal diseases, immunity (cell-mediated), role, lymphocytes T, man 1872.
  - population composition, dental plaque, Macaca fascicularis 2345.
  - serine biosynthesis, enzymes identification 192.
- **Veillonella parvula,**
  - cervical microflora, children 9070.
  - identification, API test 1303.
  - population composition, dental plaque, Macaca fascicularis 2345.
  - symbiosis, Eubacterium saburreum, role, dental plaque 7312.
- **Velocity,**
  - motility, microorganisms, enumeration, methodology 9521.
- **Venezuela,**
  - man, poststreptococcal glomerulonephritis prognosis 857.
- **Ventilation,**
  - lung, association, respiratory tract infection, diagnosis, antibody response, infants 780.
  - lung, pneumonia, Staphylococcus aureus, complications, man 786.
  - man, pneumonia, Staphylococcus aureus, incidence, intensive care units 3331.
  - trachea, complications, lung infection, Pseudomonas, Enterobacter, Klebsiella, man 771.
- **Ventilators,**
  - contamination, sterilization, bacteria, intensive care units 979.
- **Ventricles,**
  - levels, cefsulodine, treatment, Pseudomonas aeruginosa, meningitis, ventriculitis, man 3479.
- **Ventriculitis,**
  - association, meningitis, neonates, man, case reports 3413.
  - bacteria infection, treatment, amikacin, pharmacokinetics, children 3411.
  - cefotaxime treatment, Escherichia coli, man 8013.
  - meningitis, Pseudomonas aeruginosa, treatment, cefsulodine, levels, ventricles, man 3479
  - Staphylococcus aureus, treatment, vancomycin, man 2225.
- **Veratridine,**
  - effects on lysosomal enzymes, mice skeletal muscle 6860.
- **Verdasan,**
  - effects on, soil microorganisms, methodology, biomass 8188.
- **Vernamycin,**
  - Micromonospora, biosynthesis 2967.
- **Vero cells,**
  - canine distemper virus growth, Mycoplasma orale effects on 7470.
  - cyclic AMP, extracellular levels, induction Escherichia coli enterotoxins 8888.
- **Verotetrone,**
  - production, Streptomyces aureofaciens, characterization 8653.
- **Vertebrae,**
  - actinomycosis, clinical aspects, treatment, diagnosis, dogs 2392.
  - puncture, association, bacteremia, relationship, meningitis, children 6234.
- **Vertical distribution,**
  - algal mats association Chromatium, salt marshes, Mexico 8231.
  - bacteria, airborne microorganisms, buildings, Hungary 10819.
  - bacteria, decomposition, organic matter, brackish water environment, Japan 6438.
  - bacteria, growth, attachment sediments, coastal waters, USA, New York 10808.
  - bacteria, saprophytes, Indian Ocean 12174.
  - heterotrophic bacteria, species composition, abundance, marine environment 8246.

Verticillium dahliae,
  sclerotia, morphology, colonization, soil microorganisms, pH, effects on 3728.
Vesical calculus,
  treatment, man, association, Proteus mirabilis urease inhibition, N-[diaminophosphinyl]-4-fluorobenzamide 12592.
Vesical reflex,
  surgery treatment, urinary tract infection association, children 10389.
Vesicles,
  assays methodology, solutes uptake, tetraphenylphosphonium, Escherichia coli 7410.
  cadmium, manganese transport, cadB gene, cadA gene, plasmids, Staphylococcus aureus 6500
  DNA binding, Haemophilus influenzae, competence defficient mutant 12415.
  Escherichia coli cell membranes, thermal injury induction 12328.
  Escherichia coli, sodium, protons transport, mechanisms, reviews 12293.
  glutamine transport, reconstitution, Escherichia coli 5616.
  membranes, diglyceride kinase, purification, hexamethylphosphoric triamide use, Escherichia coli 4904.
  membranes, Neisseria gonorrhoeae, purification, affinity chromatography, methodology 12227.
  membranes, spheroplasts, Mycobacterium aurum, ultrastructure 1340.
  phosphatidylcholine, +bacteriorhodopsin, lipid bilayers, characterization, freeze-fracture, conferences 2690
  phospholipids, ganglioside Gm1 receptors, Vibrio cholerae, toxins binding, agglutination 7887.
  structure, Frankia nitrogen fixation 12319.
Vesicoureteric reflux,
  association, urinary tract infection, children 10416.
Vesicular gland,
  cattle, experimental infection, Mycoplasma bovis, pathogenicity 10648.
Veterinary medicine,
  bacteria identification, clinical microbiology, methodology 4688.
  bacteria, identification, methodology 10878.
  hopsitals, dogs, cats, Serratia marcescens nosocomial infection, Epidemiology 4565
  zoonoses incidence, occupational exposure, case surveys 13267.
Vibrio,
  abundance, deep sea 1236.
  adsorption kinetics, association, flagella 12341.
  Anguilla rostrata pathogens 6330.
  antibiotic sensitivity testing 7821.
  aquatic environment isolates, antibiotic sensitivity testing 9930.
  biochemical characteristics, isolation, cholecystitis, man 5596.
  biodegradation, fucoidan, Nemacystus decipiens, identification, coastal environments, Japan 42.
  biodegradation organic matter, brackishwater environment 5638.
  classification, association, malate dehydrogenase, glucose-6-phosphate dehydrogenase 4925.
  clinical aspects, pathogenesis, identification 11976.
  detection, biotypes relationship, use, electrophoresis, I.R. spectroscopy 1301.
  detection, India ink immunoreaction, man, Nigeria 3159.
  diarrhea, epidemiology, immunity, vaccines, man, reviews 11776.
  distribution, enumeration, factors affecting, water resources, British Isles 10812
  dysentery, pigs 9347.
  N-ethylmaleimide inhibition maleylacetoacetate isomerase 2775.
  fin rot, Gadus morhua, pathology 5484.
  identification, DNA base composition, antigenic characteristics 6470.
  identification, Kovac's test, media (culture), carbohydrate composition 12246.
  identification methodology, evaluation 8302.
  infection, epidemiology, pathology, ecology, prophylaxis, man 11929.
  infection, Plecoglossus altivelis, aquaculture 6334.
  infection, Plecoglossus altivelis, aquaculture 10653
  isolation, β-D-mannosidase 1513.
  microflora, Boeckosimus affinis, symbiosis 10734.
  mutagenesis, transposon Tn7 insertion 1631.
  nutrient requirements, estuaries, marine microorganisms 8243.
  Protozoa, food chains, mercury bioaccumulation, pollution effects, estuarine organisms 8233.
  starvation effects on cell adhesion 12359.
  uptake, glucose, lactose, relationship, fatty acid composition 8421.
  vibriosis, quinolines disease control, Pisces, marine environment 8090.
Vibrio alginolyticus,
  biochemical characteristics, water isolates 12405.
  glycerol-3-phosphate dehydrogenase, purification, characterization 2801
  histidine, regulation, alkaline phosphatase, activity 12663.
  indicator species, isolation, recreation sites, coastal waters 9492.
  lipopolysaccharides, structure 5801.
  peritonitis, association, dialysis, Vibrio parahaemolyticus relationship, case reports, man 10583.
  postoperative infection, man, isolation, case reports 10596.
  septicemia, Sparus aurata 3596.
  sodium transport, relationship membrane potential, pH 10952.
  strains, isolates, cultural characteristics, biochemical analysis 8344.
  survival, brackish water, lakes 8242.
Vibrio anguillarum,
  antibody response, Oncorhynchus nerka 564.
  biotypes. nucleotide sequence, plasmid pMJ101 detection 1680.
  disease transmission, Mugil cephalus 1108.
  distribution, enumeration, factors affecting, water resources, British Isles 10812.
  growth, biochemical characteristics, temperature effects on 10972.
  infection, agglutinins levels, immune response, Macrobrachium rosenbergii 610.
  infection, Anguilla, diagnosis, indirect fluorescent antibody test 7270.
  mitogenicity, mice, characterization 6082.
  pathogenicity, Plecoglossus altivelis 5457.
  pathogenicity, Plecoglossus altivelis, comparison, Streptococcus 6335.
  vaccination, Salmonidae 10251.
  vaccination, Salmonidae juveniles 10249.
  vibriosis, Oncorhynchus kisutch, Japan 2389.
  virulence plasmids, iron-binding protein, outer membranes 6879.
Vibrio anguillicida,
  infection, Anguilla, diagnosis, indirect fluorescent antibody test 7270.
Vibrio cholera,
  diarrhea, chlorpromazine treatment, children 11785.
Vibrio cholerae,
  adherence, association, respiratory tract infection, man, animal models 10319.
  adsorption kinetics, association, flagella 12341.
  alkaline phosphatase, biosynthesis, phosphate, repression 8612.
  antibiotic resistance, association, diarrhea, children 5957.
  antibiotic resistance, polymyxin, plasmids, acridine orange, acriflavine, treatment 8741.
  antibiotic resistance, transfer, R factors, Staphylococcus aureus 2880.
  antigenicity, heat inactivation, enzyme-linked immunosorbent assay 10166.
  attachment, Eichornia crassipes, aquatic environment, role, disease transmission, cholera 4648.
  biosynthesis, vascular permeability factor, nutrient requirements, trace elements, phosphates 237.
  biotypes, epidemics, man, cholera 13168.
  biotypes, sensitivity, phages, lysogenization 9846.
  cholera, animal models, neonates, mice 11771.
  cholera, association, water supplies, man, Bangladesh 5317.
  cholera, defense mechanisms, immunity, man 6897.
  cholera, electrolyte balance, man 812.
  cholera, epidemics, man, South Africa 2284.
  cholera, epidemiology, immunity, vaccines, man, reviews 11776.
  cholera, experimental infection, antitoxins, immunoglobulin G, enzyme-linked immunosorbent assay, man 1849.
  cholera, experimental infection, pathology, neonates, germfree mice 822.
  cholera, incidence, man, refugees, Thailand 3363.
  cholera, outbreaks, man, Bahrain 5320.
  cholera, tetracycline prophylaxis, epidomics association, man 10367.
  cholera, toxins, subunits, amino acid sequence 4229.
  cholera toxins, transport pathway, cell membranes invaginations 6018.
  cholera, transmission (horizontal) man, Malaysia 6205.
  cholera, water role transmission, man 11755.
  classification, association, malate dehydrogenase, glucose-6-phosphate dehydrogenase 4925.
  clindamycin effects on virulence 8760.
  clinical isolates, water isolates, toxigenicity, phage typing 12249.
  diarrhea, incidence, case surveys, children 7014.
  diarrhea, prophylaxis, treatment, man 11791.
  distribution, enumeration, factors affecting, water resources, British Isles 10812.
  DNA repair, U.V. radiation induction 4805.
  enterotoxins, berberine effects on, animal models 4241.
  enterotoxins, binding, membranes receptors, cell lines, mice 11499.
  enterotoxins biosynthesis, isolation, fresh water, USA, Louisiana 469.
  enterotoxins biosynthesis, lincomycin, effects on 4227.
  enterotoxins, deletion mutant, induction, phages, mutants 7655.
  enterotoxins, detection, lymphocyte transformation methodology 10063.
  enterotoxins genes, cloning 8876.
  enterotoxins genes, DNA cloning, hybridization analysis 11258.
  enterotoxins genes, use, cholera vaccines 7654.
  enterotoxins, immunostimulation, mice 5181.
  enterotoxins, immunosuppression thymocytes, mice 5180.
  enterotoxins, induction, intestine secretion, mice, bile effects on 5168.
  enterotoxins, penetration mechanisms, cells 10103.
  enterotoxins production 6002.
  enterotoxins, purification, characterization 12972.
  enterotoxins receptors, effects on adenylate cyclase 6863.
  enterotoxins, receptors, Peyer's patches epithelium, guinea-pigs 12979.
  enterotoxins, secondary structure, C.D. 8870.
  enterotoxins subunits, role, cholera pathogenicity, animal models 10111.
  enzymes, role, NAD metabolism 5765.
  Escherichia coli, enterotoxins, antigenic determinants, antigenic relationship 3126.
  Escherichia coli, enterotoxins, subunits, hybrids, electrophoresis 3128.
  extracellular polymers, proteinase, characterization 11096.
  factors affecting, rabbits, adherence, cell adhesion 2581.
  gastroenteritis, clinical aspects, epidemiology, man, USA 815.
  gastroenteritis, food poisoning, shellfish, association, man, case reports 3362.
  identification, enzymes assays, visual perception 3803.
  identification, fluorescent antibody test 12259.
  identification, pyrolysis products, gas chromatography 12240.
  immunoglobulin A, immunoglobulin G, immune response, rats 592.
  incidence, aquatic environments, animals, Aves, British Isles 9493.
  infection, case reports, man 6204.
  infection, epidemiology, pathology, ecology, prophylaxis, man 11929.
  infection, epithelium cells protection, hemagglutinins association 11612.
  infection, man, disease transmission, surface water 13160.
  interaction, intestine mucosa, in vitro, role, chemotaxis 81.
  interaction, intestine mucosa, mice, role, chemotaxis 75.
  interaction, intestine mucosa, rabbits, role, chemotaxis 76.
  interaction, intestine mucosa, rabbits, role, chemotaxis 82.
  lipopolysaccharides, antigenic characteristics agglutination 13007.
  lipopolysaccharides, characterization, role, agglutination 222.
  live vaccines effects on macrophages phagocytosis, pigs 9033.
  mutants, lipopolysaccharides, chemical composition, antigenic characteristics 10075.
  mutants, phaeomelanin biosynthesis 11032.
  neuraminidase, enzyme kinetics, N-acetylneuraminic acid, N-glycolloylneuraminic acid 1527.
  nitrofurantoin resistance mechanisms, association enzymes 8861.
  pathogenicity, phenotypic variations, water pollution 7343.
  phage FK, phage typing, identification 1322.
  R plasmid, antibiotic resistance, genetic analysis, biochemical analysis 9844.
  recombination, temperature effects 2857.
  septicemia, man, case reports 13323.
  serotypes, Nigeria isolates, antigenic characteristics 1866.
  Shigella, Campylobacter, fluids, rehydration, diarrhea, treatment, 10363.
  strains, characterization 2574.
  strains, cyclic AMP, intracellular levels, extracellular levels 4086.
  strains, lysogeny, phage κ, detection methodology 8455.
  survival, brackish water, sediments 8239.
  temperature, salinity, effects on, growth, estuaries, in vitro 12413.
  toxinogenicity, Ostrea isolates 465.
  toxins, activation, adenylate cyclase, animal models, disease resistance, cholera, mice 6872.
  toxins, activation, adenylate cyclase subunits 1813.
  toxins, antigen O, effects on gnotobiotics (germfree) rabbits 1825.

Vibrio cholerae, (continued)
toxins, binding ganglioside Gm1 receptors, agglutination phospholipids vesicles 7887.
toxins binding gangliosides effects on quaternary structure, conformational analysis, fluorescence 11481
toxins binding gangliosides penetration liposomes 6857.
toxins, catalysts, ADP-ribosylation, proteins 10072
toxins, chemical modification membrane proteins regulation GTP 6859.
toxins, chemical modification tryptophan, effects on structure, activity 5152.
toxins, competition, γ-interferon, binding, receptors, α-interferon, β-interferon 8886
toxins, effects on cyclic AMP levels, rats liver epithelium 10132.
toxins, effects on epithelium intestine, electrolyte balance, rabbits 12978.
toxins, effects on functional morphology, rabbits 478.
toxins, effects on mucin secretions, guinea-pigs 3146
toxins effects on natural killer cells activity, mice 4243.
toxins, hydrophobic 1810
toxins, immunization, immune response memory cells, mucosa, rats 7960.
toxins, induction, cyclic AMP accumulation, intestine, rats, loperamide effects on 5178.
toxins, interaction adenylate cyclase, plasma membranes, erythrocytes 6003.
toxins, interaction gangliosides 5182
toxins, intestine secretions, pathogenesis, nerves, role 487.
toxins, reaction mechanisms, reviews 480
toxins, reviews 11483
toxins, stimulation, cyclic AMP accumulation, glia tumor cells, calcium effects on 5169
toxins, tubulin ADP-ribosylation 11515
transposons, genetic engineering, reviews 11319.
typing 25
vascular permeability factor biosynthesis, nutrient requirements, trace elements, phosphate 2847
waste water isolates, pathogenicity, man, characterization 6308

Vibrio costicola,
5'-nucleotidase, role adenine nucleotides transport 8377.

Vibrio damsela sp.nov.,
vibriosis, Chromis punctipinnis 7261

Vibrio diazotrophcins sp.nov.,
characterization, nitrogen-fixing bacteria, marine environments 8349.

Vibrio fischeri,
nitrate reductase, characterization 4921

Vibrio fluvialis,
classification, association, malate dehydrogenase, glucose-6-phosphate dehydrogenase 4925
toxins, detection, characterization 4235.

Vibrio harveyi,
bioluminescence, induction, media (culture) 1416.
luciferase, association lumazine protein, Photobacterium phosphoreum, fluorescence, ultracentrifugation 4907.
luciferase, biosynthesis, inactivation, characterization 5780

Vibrio harveyii,
competitiveness, association, bacteriocin biosynthesis 12114.

Vibrio metschnikovii,
bacteremia, association, cholecystitis, peritonitis, man, case reports 3485
distribution, enumeration, factors affecting, water resources, British Isles 10812

Vibrio mimicus sp.nov.,
characterization 2574.

Vibrio natriegens,
growth, abate, effects on 6847.
marine environments isolates, AMP metabolism, relationship, adenylate kinase enzymatic activity 2772

Vibrio parahaemolyticus,
adsorption kinetics, association, flagella 12341.
antibacterial activity, seawater+plankton+man feces 1784.
antigen K, isolation, characterization 8922.
antigen K serotypes 8284
bactericidal activity, sewage, digestion (anaerobic) 10049
biochemical characteristics, water isolates 12405.
Bolation, identification, seasonal variations, coastal waters, Mexico 12175.
characterization, reviews 12258.
classification, association, malate dehydrogenase, glucose-6-phosphate dehydrogenase 4925.
diarrhea, ABO system blood groups correlation, man 2041.
distribution, marine environment, seasonal variations 6448.
ecological distribution, marine environment, incidence, Peru 12171.
enterocolitis, man, case reports 2035.
epithelium cells adherence, relationship, pathogenicity, in vitro, in vivo 3821.
extracellular enzymes, proteinase production, carbon sources effects on, growth rate correlation 12618.
factors affecting, rabbits, cell adhesion 2581.
hemolysins, biosynthesis, pH effects 467.
indicator species, isolation, recreation sites, coastal waters 9492.
infection, epidemiology, pathology, ecology, prophylaxis, man 11929.
lipopolysaccharides, structure 5801.
man, blood, isolation, case reports 7147.
nutrient requirements, antibiotic sensitivity testing 9635.
parasitism, lysis, association, Bdellovibrio, isolation, enumeration, growth, marine environment 9630.
pathogenicity, food-borne diseases, man 13162.
phosphotransferase, +phosphoenolpyruvate complex, association, trehalose specificity subunits 11172.
polysaccharides, antigenic determinants 5196.
relationship, Vibrio alginolyticus, peritonitis, association, dialysis, case reports, man 10583.
serotypes, new records, taxonomy 9543.
strains, growth, biological properties, pathogenicity 12443.
survival, brackish water, lakes 8242.
swarming behavior, effects on flagella formation 8384.
traveller's diarrhea, man, Thailand 4414.
typhoid fever, enteritis, diarrhea, carriers rate, man 10376.

Vibrio parahemolyticus,
α-aminoisobutyric acid, transport, role sodium, potassium 6504.

Vibrio succinogenes,
asparaginase, immunosuppression, lymphocytes depletion, characterization 7953.
chemostats, asparaginase biosynthesis 8605.

Vibrio succinogenes, (continued)
continuous culture, asparaginase biosynthesis 12648.
fumarate reductase (NADH), iron-sulfur centers, characterization 4920.
iron, sulfur clusters, fumarate reductase (NADH), E.S.R. 4031.
isolation, characterization, soft tissues infection, cats, dogs 9570.

Vibrio vulnificus,
biochemical characteristics, base composition, marine environment isolates, clinical isolates 8295.
biotypes, isolation, pathogenicity, Anguilla japonica 12059.
ecological distribution, seasonal variations, association, temperature, salinity, coastal waters 13528.
infection, epidemiology, pathology, ecology, prophylaxis, man 11929.
infection, pathogenesis, role, iron, man, animals 4487.
pathogenicity, marine environment ecology 6439.
septicemia, man, case reports 958.
strains, erythrocyes hemolysis 7467.
virulence, relationship, resistance, phagocytosis, leukocytes (polymorphonuclear) 3217.
wound infection, bacteremia, clinical aspects, man 1033.

Vibrionaceae,
lipopolysaccharides, carbohydrate composition, 2-keto-3-deoxyoctonate 9796.

Vibriosis,
quinolines disease control, Pisces, marine environment 8090.
Vibrio anguillarum, Oncorhynchus kisutch, Japan 2389.
Vibrio damsela sp.nov., Chromis punctipinnis 7261.

Vibro cholerae,
neuraminidase reaction mechanisms, N-acetyl-α-D-neuraminic acid release 1532.

Vicia faba,
mycoplasma-like organisms infection, electron microscopy 13446.
nodulation, Rhizobium competition 5520.

Vicia villosa,
Rhizobium leguminosarum nodules, nitrogen fixation, drought effects on, soils (saline) 1222.

Vigna mungo,
nodulation, nitrogen fixation, daylength effects on 1195.
nodulation, nitrogenase, enzymatic activity, potassium dihydrogen ortho phosphate, ammonium nitrate, effects on 2476.
nodulation, stimulation plant extracts, Moringa oleifena 6411.
rhizosphere, Rhizobium enumeration 2472

Vigna radiata,
leafspot, Xanthomonas phaseoli, disease control, fungicides, antibiotics 13454.
nitrogen fixation, growth stage, defoliation, effects on 13484.
nodulation, competition, strains, soil types, Rhizobium 10792.
Rhizoctonia botaticola root rot, interaction, Rhizobium symbiosis, antagonism 9477.

Vigna radiata var.aureus,
effects on Rhizobium mutants nitrogenase enzymatic activity 3726.

Vigna sinensis,
isolates, Rhizobium, nitrogenase activity 4002.
nodulation, Rhizobium, roots exudates effects on 6413.
pathogenicity effects on, Rhizobium leguminosarum, relationship, Meloidogyne incognita 9412.
Rhizobium nitrogen fixation, Mali 9439.
susceptibility, Rhizobium nodulation 4633.

Vigna unguiculata,
blight, scab, leafspot, disease resistance 5494.
blight, screening disease resistance 4611.
genotypes, screening, disease resistance, blight, Xanthomonas campestris var.vignicola 8155.
growth, nodulation, nitrate effects on 7330.
nitrogen fixation, Rhizobium 1180.
nitrogen fixation, Rhizobium, Africa, West 1191.
nodulation, nitrogen fixation, Rhizobium 1226.
nodulation, Rhizobium growth, sugar industries wastes 1165.
nodulation, Rhizobium japonicum, Ivory Coast 9444.
nodulation, Rhizobium, Meloidogyne incognita effects on 7318.
nodules pigmentation, use, competition analysis, Rhizobium 10781.
Rhizobium nodulation, Azotobacter vinelandii proteins effects on 5528.
Rhizobium nodules, nitrogen fixation, association, phosphorus requirements 5535.
Rhizobium, soil moisture, soil temperature, effects on inoculum potential 7333.
+Rhizobium, water stress effects on nodulation, nitrogen fixation 2464.
symbiosis, Rhizobium, herbicides effects on 1203.
Xanthomonas pustule disease resistance 1149.

Vinegar,
antimicrobial activity, bacteria, yeasts, molds 425.

Vineomycin,
Streptomyces matensis subsp.vineus, biosynthesis, structure, antibacterial agents, antitumor agents 2958.

Vineomycin A,
Streptomyces matensis subsp.vineus, biosynthesis, structure 11366.

Vineomycin B,
Streptomyces matensis subsp.vineus, biosynthesis, structure 11366.

Vineomycins,
biosynthesis, streptomyces matensis subsp.vineus 7758.

7-Vinylenethioacetamido,
cephalosporins, synthesis, antibacterial activity 9949.

Violamycin BI,
Streptomyces violaceus, binding DNA, electrophoresis 1694.

Viomycin,
antibiotic sensitivity testing, Streptomyces puniceus variants 8781.

Virantmycin,
isolation, Streptomyces nitrosporeus 296.
Streptomyces nitrosporeus, isolation, characterization, antiviral activity 2993.

Virescence,
cytokinins, levels, Mycoplasma, infection, Catharanthus 3671.

Virginiamycin,
antibacterial activity, soft rot, Erwinia carotovora, Solanum tuberosum 3657.
treatment, pseudomembranous colitis, chickens 13406.

Virulence,
Aeromonas salmonicida, temperature effects 1852.
Agrobacterium, induction, tumors, Solanum tuberosum 1150.
Agrobacterium tumefaciens, crown gall, iron assimilation, relationship, virulence, plasmids, Helianthus 2413.
association, fatty acid composition, Xanthomonas, chromatography 12722.
association, protein A, Aeromonas salmonicida 1853.
bacteria, adherence, colonization, antibiotics treatment, mucosa, epithelium,

Virulence, (continued)
children, conferences 10841.
bacteria, antibiotics effects on 8760.
Bacteroides fragilis, capsules, resistance leukocytes (neutrophilic), phagocytosis, rabbits 7916.
Bremia lactucae infection, Lactuca sativa, USA, New York 13450.
determinants, Pseudomonas savastanoi, iaaM gene, cloning, characterization 5837.
Entamoeba histolytica infection, hamsters, pure culture, pathogenicity, bacteria effects on 10151
Erwinia carotovora var.chrysanthemi, stalk rot, Zea mays 7298.
Escherichia coli, antigen O18, antigen K1, antigen H7, plasmid Co1V, effects on 1858
Escherichia coli, cystitis isolates, feces isolates, man 11557
Escherichia coli, gastrointestinal tract infection, man, hemolysins effects on 7995.
Escherichia coli, media (selective), mice 7353.
Escherichia coli, operons fusion, association, β-D-galactosidase biosynthesis 10170.
Escherichia coli, relationship, hemolysins biosynthesis, mice 470.
Escherichia coli, strains, capsules, bacteremia, neonates, rats 8942.
factors affecting, bacteria, diarrhea, pathology, man 13174.
Haemophilus influenzae, correlation, susceptibility, complement, animal models 5197.
Legionella pneumophila, passage, fibroblasts, man 513.
Leptospira canicola, role antigenic characteristics, mice 6884.
Listeria, mice 11538
Mycoplasma mycoides subsp.mycoides extracts, endotoxins, goats 10123.
Mycoplasma pulmonis, role cell surface glycoproteins binding mammalian cells receptors 10169
Neisseria gonorrhoeae cell membranes antigens, antibodies effects on 5198.
Neisseria meningitidis, role iron, mice 13009.
non-fermentative gram-negative bacteria, relationship heat resistance, growth 8452
pathogens, mutants, enzymes, cell surface, Pseudomonas aeruginosa, Galleria mellonella 6390.
periodontal diseases, Bacteroides melaninogenicus, Capnocytophaga, Bacteroides asaccharolyticus, inactivation, immunoglobulin A, characterization 6043.
plasmids, association, membrane proteins, Yersinia pseudotuberculosis, Yersinia enterocolitica 8938.
plasmids, Yersinia enterocolitica, comparison, indicators, tests 6880.
plasmids, Yersinia enterocolitica, Yersinia pestis, DNA homology, characterization 2934
proteinase, cell surface mutants, Pseudomonas aeruginosa, Galleria mellonella 8133.
Pseudomonas aeruginosa, endotoxins, proteinase 11244.
Pseudomonas aeruginosa, proteinase, cystic fibrosis, man 11142.
Pseudomonas aeruginosa, relationship, benzalkonium chloride sensitivity, association, hemolysins biosynthesis 11542.
Pseudomonas aeruginosa, relationship, hemolysins biosynthesis 11541.
Pseudomonas glycinea, auxotrophy mutants 1592.
psychrotrophic bacteria, spoilage, meat, food, fishery products, conferences, books 9499
relationship, Mycoplasma pneumoniae adsorption, biochemical analysis, ultrastructure 12340
Rickettsia rickettsii, association, Dermacentor andersoni, physiology, ultrastructure, electron microscopy 9383.
Rickettsia slovaca, experimental infection, mice 1109.
Salmonella typhimurium, mutants, strains, mice 13010
Salmonellae, characterization 6002.
Serratia marcescens, mice, association antigen O 11552.
Shigella flexneri, mutants, culture, identification, morphology 11285.
Shigella, role, plasmids 11336.
Shigella sonnei, inhibition immunological memory, mice 13049.
Shigella sonnei, role, plasmids 517.
staphylococcus aureus, growth, culture, in vivo, sheep, in vitro 8929.
Staphylococcus aureus, relationship rifampicin, antibiotic resistance, mice 8815
Staphylococcus clinical isolates, enzymes, relationship antibiotic resistance 11424
Staphylococcus epidermidis, polysaccharides, biochemical analysis 8921.
Streptococcus group B, association, proteinase, neuraminidase, antigens, mice 3182
Streptococcus group B, mice 13006.
Streptococcus mutans, Lactobacillus casei, gnotobiotics, rats 1124.
Streptococcus, reactivity, immunoglobulin G, rabbits, man 6038.
Treponema pallidum, immune response, rabbits 6040.
Tyzzer's disease, Bacillus piliformis, storage effects, in vivo passage effects on 515
urinary tract clinical isolates, Escherichia coli, relationship, hemolysins biosynthesis, animal models 3151.
Vibrio anguillarum, plasmids, outer membranes, iron-binding protein 6879.
Vibrio vulnificus, relationship, resistance, phagocytosis, leukocytes (polymorphonuclear) 3217.
Xanthomonas campestris pv.oryzae, Oryza sativa blight 13448.
Xanthomonas campestris pv.translucens, infection, triticale 10741.
Xanthomonas oryzae, mutants, Oryza sativa, characterization 6404.
Xanthomonas oryzae, synthetic media (culture), effects on 6460.
Xanthomonas translucens f.sp.oryzicola, media (culture), effects on 6455.
Yersinia enterocolitica, association, serum resistance 6035.
Yersinia enterocolitica, clinical isolates, food isolates 8936.
Yersinia enterocolitica, food isolates 8935.
Yersinia enterocolitica, iron dextran, mucin, effects on 4267.
Yersinia enterocolitica, mechanisms 5200.
Yersinia enterocolitica serotypes, association, infectivity, HeLa cells 4263.

Virus-like particles,
infection, Spiroplasma citri, effects on Cathoranthus roseus symptoms 12089.

Viruses,
adsorption bacteria membranes, fluorescence 2684.
antigens, bacteria cloning, vaccines development, conferences 10829
detection, Pyrus 1136.
hepatitis, association, scarlet fever, case reports, man, reviews 11993.
hepatitis, complications, typhoid fever, immunoglobulins, complement, deposits, man 11617
indicators, Malus hybrids 1137
induction, cell fusion, Acholeplasma laidlawii, mobility, antibodies, cell surface 12285
infection, children, vaccination technology 10258

Viruses, (continued)
infection, effects on leukocytes (granulocytic) adherence, endothelium, role, chemotaxis, children 563.
infection, man, effects on lung, relationship hypersensitivity 13021.
isolation, neonates pigs, association, coccidiosis 8088.
nasopharynx isolates, association, Haemophilus influenzae meningitis, children 5336.
pili, spikes, structure, helix proteins 1375.
respiratory tract diseases, incidence, cattle, juveniles 4585.
role, Crohn's disease, man, reviews 809.
Staphylococcus aureus, mixed infection, respiratory tract, man 7004.

Viscosity,
Limulus polyphemus amebocytes, Limulus lysate test, Escherichia coli endotoxins, effects on 6856

Vitamin B_1,
abundance, relationship, microorganisms activity, gastrointestinal tract, sheep 3558.

Vitamin U,
effects on Escherichia coli RNA biosynthesis 162.

Vitamins,
production, soil, bacteria, association, solubilization, calcium phosphate 6425

Vitis,
Pierce's disease, bacteria, climatic conditions effects on infection 9390.

Vitis latifolia,
leafspot, Xanthomonas campestris, strains, albinism 13428.

Vitis rotundifolia,
Pierce's disease, association, Rickettsia-like organisms, characterization, USA, North Carolina 9391.

Vitis vinifera,
cultivars, susceptibility, Pierce's disease 2410.

Vitreoscilla,
oxygen, carbon monoxide binding, cytochrome o, I.R. spectroscopy 5688.
sediments, distribution, lakes, British Isles 2487.

Vitreous humor,
rabbits, antigenic relationship 522.
rabbits, antigenic relationship, Klebsiella pneumoniae 523.

Voges-Proskauer test,
fumarate reagents, gram-negative bacteria identification 10888.
gelatin tests, use, photography films, methodology, bacteria 10871.
specificity 8270.

Volatilization,
mercury, Thiobacillus ferrooxidans, drug resistance 1378.

Voltaren,
treatment, rheumatic fever, man 980.

Volume,
biomass, bacterioplankton, aquatic environment, measuring techniques, scanning electron microscopy, computer applications 3732.

Vorlex,
antimicrobial activity, resistance, soil microorganisms, actinomycetes 431.

Vulpes vulpes japonica,
mycoplasma, isolation 3565.

Vulvovaginitis,
epidemiology, man, Africa 2173.

Waldeyer's ring,
lymphoid tissue, relationship respiratory tract infection, children 9097.

Walls,
intestine, colonization, Escherichia coli, electron microscopy, feeding regimes, colostrum, juveniles, cattle 4542.

Warfarin,
elimination, rats, intestinal microflora role 5449.
transformation, stereoselectivity, Nocardia corallina, Arthrobacter 5652.

Warts,
papovavirus, tumorigenesis, role immunity, concurrent infection Mycobacterium scrofulaceum, man 6311.

Washing,
egg shells, gram-negative bacteria isolates, survival, temperature, pH, detergents, effects on 5125.
treatment, marine microorganisms, Escherichia coli, Pseudomonas aeruginosa, effects on, outer membranes 12347.

Waste disposal sites,
mines, USSR, bacteria effects on plants development 13455.

Waste treatment,
bacteria culture 7367.
role, Escherichia coli, copper bioaccumulation 136.

Waste water,
acidic, mines, microorganisms, nutrient requirements, iron oxidation 5641.
Bdellovibrio, host-parasite interactions, lysis Escherichia coli, gram-negative bacteria 9423.
isolates, Vibrio cholerae, pathogenicity, man, characterization 6308.
mines, industrial effluents, acid production, pollution sources, Thiobacillus ferrooxidans 9642.
pollution effects, bacterioplankton, estuaries, Germany, Fed. Rep. 1240.

Wastes,
biodegradation, polyureas, polyurethane foams 106.
mines, iron-oxidizing bacteria, sulfur bacteria, population levels 128.
poultry, dimethyl disulfide metabolism, Saccharomonospora viridis 123.
sugar industries, Rhizobium, growth, survival 1165.

Wastewater treatment,
airborne particulates, aerosols, vegetation effects on filtration 8237.
Glycine max, single-cell protein amino acid composition, Rhodopseudomonas gelatinosa 6614.
pollutants, effects on bacteria, bioassays 7380.
textile industry, Bacillus subtilis, biodegradation, dyes, synchronous growth 4754.

Water,
absorption, diuresis, association, Enterococcus, pyelonephritis, animal models 13197.
association, nosocomial environments, Legionella micdadei isolation 10321.
bacteria, enumeration, methodology 1273.
+carbaryl, effects on bacteria growth, indicator species 7423.
Clostridium botulinum type E, ecological distribution, spores, reviews 9450.
disinfection, methodology, hydrogen peroxide, +ascorbic acid, +copper(II), bacteria 12157.

Water, (continued)
Erwinia chrysanthemi, effects on infection, Philodendron selloum 9421
fluoride, dental caries, bacteria, children 13110
isolates, coliforms, most probable number, taxonomy 5575.
isolates, Yersinia enterocolitica, serotyping, biochemical characteristics 8293
mixed culture, Escherichia coli, pseudomonas aeruginosa, cold tolerance, pH 11005
role, transmission, cholera, man 11755
sediments, lakes, sulfate reduction, bacteria, seasonal variations, temperature effects 3738
± sodium chloride, effects on Erwinia chrysanthemi pectate lyase biosynthesis 12681
Yersinia enterocolitica phages, isolation, characterization 4987
Water activity,
growth, association, carbohydrates bioaccumulation, Escherichia coli 11224
intracellular, bacteria, determination 2654
media (culture), effects on mesophilic bacteria temperature tolerance 117
Water column,
abundance, bacteria, Arctic Ocean 12162
Water conductivity,
wetwood, bacteria, Abies alba 10752
Water content,
copra, effects on, microflora, fungi, bacteria 2474
Water isolates,
Bacillus, lysogeny, phage typing 12247
Legionella pneumophila, pneumonia, water supplies, institutions, Australia 3322.
Vibrio cholerae, toxigenicity, phage typing 12249
Vibrio parahaemolyticus, Vibrio alginolyticus, biochemical characteristics 12405.
Water pollution,
association, Vibrio cholerae, gastroenteritis, food poisoning, shellfish, man, case reports 3362
bacteria, epidemiology 6443
bacteria, pathogens, epidemiology, coastal waters 6254.
Escherichia coli, swimming relationship gastroenteritis, man 6198
fungicides, herbicides, hydrocarbons, pollution effects, Escherichia coli, Pseudomonas fluorescens, Pseudomonas aeruginosa 1208.
indicator species, Escherichia coli, Streptococcus faecalis, growth, carbaryl, effects on 5981
microbial pollution, pollution effects, water quality, bacteria, population dynamics, rivers 7337
microorganisms bioaccumulation, pyrene, phenanthrene 7433
streams, coliforms, fertilizer applications, crop fields, manure 8240.
Vibrio cholerae, pathogenicity, phenotypic variations 7343
Water potential,
effects on, microorganisms growth ecology 13506
nitrogen fixation, nodulation, drought stress, Prosopis 10795
Water purification,
swimming pools, association microbial pollution, surveys 6436
Water quality,
coastal environment, relationship, bacteria contamination Mollusca 8219
coliforms contamination, ear infection, swimming, man, lakes 8214
most probable number, pathogens, indicator species 7369
ponds, Chromatium okenii, population dynamics 10807
reservoirs, coliforms, Escherichia coli, levels 1242
swimming, association, gastroenteritis, Enterobacteriaceae, man 7988
water pollution, microbial pollution, pollution effects, bacteria, population dynamics, rivers 7337
Water regimes,
Psophocarpus tetragonolobus, effects on nodulation, growth 5539.
Water resources,
Vibrio, distribution, enumeration, factors affecting, British Isles 10812
Water springs,
Greece, bacteria, taxonomy 1231
Water stress,
effects on, bacteria, fungi, microorganisms, triticale 3704
Vigna unguiculata+Rhizobium, effects on nodulation, nitrogen fixation 2464
Water supplies,
association, cholera, man, Bangladesh 5317
contamination, association, gastroenteritis, Campylobacter fetus subsp jejuni, outbreaks, man 11763
contamination, dysentery incidence, man, Libya 7985
contamination, Mycobacterium kansasii, occupational exposure, man 5545.
hospitals, incidence, Legionella pneumophila, legionnaire's disease, man 6975
Legionella pneumophila, pneumonia, water isolates, institutions, Australia 3322
screening, bacteria, biosynthesis bacteriocins like compounds, inhibition, coliforms growth 4647
USA, Ohio, aerobic bacteria, anaerobic bacteria, heterotrophic microorganisms, enumeration 10811
Water treatment,
relationship, chlorine resistance development, Escherichia coli 454.
Water-borne diseases,
bacteremia, burn patients, Aeromonas hydrophila 9212
Salmonella paratyphi, diarrhea, outbreaks, Portugal 3354
Waterhouse-Friderichsen syndrome,
Haemophilus influenzae, clinical aspects, case reports, man 13294.
Watermark disease,
Erwinia salicis, Salix alba 6396
Wax,
Brassica oleracea leaves, Xanthomonas campestris black rot, characterization 5501
Weaning,
sheep, relationship, mastitis prophylaxis, antibiotics 2391
Weather,
effects on copra microflora, fungi, bacteria 2474.
Webs,
adherence bacteria, disinfectants aerosols, microbiocidal activity assays 11449.
Weed control,
effects on, Pseudomonas solanacearum, soil levels, wilt, Solanum tuberosum, Costa Rica 4605
Weeds,
Xanthomonas campestris black rot disease reservoirs 1142.
Weil's disease,
shock association, man, case reports 11906.
Wells,
fuels, drilling fluids, marine environment, sand, effects on microorganisms 10803
Wernicke's encephalopathy,
association, syphilis, man 2152
Western X disease,
Prunus avium, disease control, Mycoplasma, oxytetracycline treatment 9394.
Wetlands,
forests, USA, Florida, nitrogen fixation, acetylene reduction, nitrogenase activity 9462
Wetwood,
anaerobic microorganisms, biochemical characteristics, identification, Populus deltoides, Ulmus americana 3665.
association, anaerobic bacteria, Clostridium, Methanobacterium 6401.
bacteria, association dieback, wood physical properties, Abies alba 10754.
bacteria, minerals levels, Abies alba 10757.
bacteria opportunistic infection, association dieback, Abies alba 10753.
bacteria, roots infection, dieback, Abies alba, acid rain effects on soil nutrients 10756.
bacteria, water conductivity, Abies alba 10752.
Clostridium butyricum, pectin-degrading bacteria, Populus deltoides, Populus nigra, Ulmus americana 4614.
Wheat germ,
RNA polymerase II, transcription chromatin mRNA, comparison RNA polymerase Escherichia coli 4823
Whipple's disease,
bacteria, detection, immunofluorescence, man 1029.
bacteria, pathogenesis, etiology, man 11773.
bacteria, pathology, liver, appendix, lymph nodes, man, case reports 3374
Clostridium difficile, nervous system, case reports, man 11849.
immune response (cell-mediated), etiology, bacteria, bowel, man 2048.
immunopathogenesis, bacteria infection macrophages, electron microscopy, man 6061
treatment, cotrimoxazole, man, case reports 3356.
Whirlpools,
± cleaning systems, bacteria, disinfection, venous stasis ulcers, man 7177.
Widal test,
diagnosis, Salmonella typhi, typhoid fever, man 4511.
Yersinia enterocolitica, antibodies detection 500
Wild type,
Caulobacter crescentus, fatty acids, biosynthesis, utilization, composition 12718.
Rhodopseudomonas capsulata, tricarboxylic acid cycle 4786.
Streptococcus mutans, infection, rats, effects on mutants colonization 7667.
Wildfire,
Pseudomonas tabaci, toxins, inactivation, glutamine synthetase, chlorosis, leaves, Nicotiana tabacum 3138.
Wildlife,
Aves, diseases, etiology, aquatic environment, books 7348.
epidemiology, Brucella abortus infection, USA 8120.
feces, Mycobacterium isolation, characterization 10710.
leptospira interrogans seroepidemiology, Australia 1100
leptospirosis epidemiology, New Zealand 5472.
Wilt,
bacteria, Agrostis palustris, Canada 9392.
bacteria, epidemiology, roots, Cocos nucifera, India 3674.
blight, Erwinia stewartii, pathogenesis, Zea mays, disease resistance, pathophysiology 13431.
Citrullus lanatus, Fusarium oxysporum f.sp.niveum interaction Rhizosphere microorganisms 13470.
Cocos nucifera, Phytomonas, Micrococcus roseus, experimental infection, disease transmission, epidemiology, Trinidad 8139.
Corynebacterium insidiosum, inhibition Fusarium oxysporum f.sp.medicaginis, Medicago sativa 10739.
Erwinia carotovora subsp.carotovora, Xanthomonas campestris, Helianthus annuus 9397
Erwinia stewartii, Zea mays, ultrastructure, electron microscopy 7303.
Erwinia tracheiphila, inoculation, Cucumis melo, seedlings, disease resistance, methodology 13444.
Fusarium, antagonism, rhizosphere microorganisms, Lycopersicon esculentum, Citrullus lanatus 13469
Lycopersicon esculentum, Fusarium oxysporum f.sp.lycopersici interaction rhizosphere microorganisms 13468.
Medicago, Corynebacterium insidiosum, phytotoxins assays 7877.
Medicago sativa, Corynebacterium insidiosum infection effects on amino acids levels 13437.
Medicago sativa, Corynebacterium michiganense 12113.
Medicago sativa, Corynebacterium michiganense, incidence 12112.
Oryza sativa, incidence, Xanthomonas campestris, epidemiology 9408.
Pelargonium hortorum, identification, Pseudomonas solanacearum, new records 9389
Pseudomonas solanacearum, host range, biochemical characteristics, phage typing, Musa sapientum, Musa textitis 10740.
Pseudomonas solanacearum, soil levels, Solanum tuberosum, crop rotation, effects on, Costa Rica 2415.
Pseudomonas solanacearum, soil levels, Solanum tuberosum, Costa Rica, crop rotation, weed control, effects on 4605.
Pseudomonas solanacearum, Solanum tuberosum, disease resistance, screening 6398.
Pseudomonas solanacearum, Solanum tuberosum, Peru 10737.
Solanum tuberosum, Pseudomonas solanacearum, isolation, incidence, Peru 9420.
Xanthomonas campestris var.graminis, grasses, disease tolerance 8146.
Xanthomonas campestris var.graminis, isolation, identification, grasses, Belgium 8145.
Zea mays, Corynebacterium nebraskense, phase typing, bacteriocin typing 8285.
Wine,
bottles, corks, Bacillus, antimicrobial activity, sulfur dioxide 8837.
malolactic bacteria, isolation methodology 1253.
malolactic fermentation, bacteria, isolation, characterization 32.
Winter,
carbon dioxide assimilation, primary production, respiration, heterotrophic bacteria, Finland lakes 12182.
Witches' broom,
Arctostaphylos uva-ursi, Vaccinium myrtillus, Vaccinium vitis-idaea, etiology, mycoplasma-like organisms 9416.
Medicago sativa, mycoplasma-like organisms incidence, Czechoslovakia 2414.
mycoplasma-like organisms, etiology, symptoms, Rubus 13430.
Zizyphus oenoplea, Mycoplasma, antibacterial activity, tetracycline 7300.
Wolbachia,
infection, Aedes polynesiensis, eggs development 3650.
symbionts, Ephestia cautella, effects on fertility 1129.

Wolinella recta,
identification, API test 1303.
Wood,
colonization, bacteria, interaction, fungi 6818.
contamination, Saccharomonospora viridis, Cryptostroma corticale, hypersensitivity, occupational exposure, man, case reports 5213.
decay, bacteria, preservatives 12356.
extracts nutrient sources, bacteria growth association 12209.
physical properties, wetwood, bacteria association dieback, Abies alba 10754
Wool,
biodegradation, soil Streptomyces 8424.
Workers,
metals, Clostridium tetani, tetanus, immunity, man 4310.
World,
dental caries epidemiology, man, reviews 6959.
Frankia isolates, check lists 10820
sexually-transmitted diseases, man, epidemiology 13236.
Wort,
biodegradation, Bacillus, endo-1,3-β-D-glucanase, exo-1,4-β-D-glucosidase 12602.
Wound infection,
animals bites, Pasteurella multocida, man 6302.
appendectomy, metronidazole, clinical trials, man 13340
bacteria, cefoperazone, clinical trials, man 7986.
bacteria, man, leukocytes (neutrophilic), phagocytosis, role 4276.
bacteria, surgery, prophylaxis, characterization, man 7206.
botulism, Clostridium botulinum, diagnosis, clinical aspects, children, case reports 7102.
burns, animal models, Proteus mirabilis, Pseudomonas aeruginosa 945.
burns, detection, microorganisms, culture, man 699.
burns, sulfadiazine drug resistance Pseudomonas, treatment, quinoline
cattle, association tails 6344.
drainage systems, pelvis, man 2270.
incidence, abdomen surgery, antibiotic prophylaxis, clinical trials, gentamicin, clindamycin, man 10531.
iodine, bactericidal activity, toxicity, man 10524.
nosocomial infection, airborne bacteria, surgery, sepsis, man 10597.
nosocomial infection, surgery, disease control, antibiotics, antiseptics, man, reviews 10562
Pseudomonas aeruginosa, nosocomial infection, association, hydrotherapy, man, hospitals 2258.
Pseudomonas viridiflava, Pseudomonas corrugata, Pseudomonas marginalis, Medicago sativa, association Nematoda 7297.
relationship, nosocomial infection, epidemiology, man 10509.
Streptococcus pyogenes, Staphylococcus aureus, association, carcasses bone, occupational exposure, abattoirs, man 4358.
surgery, bacteria, pathology, diagnosis, antibiotic prophylaxis, man, conferences 10845
surgery, Staphylococcus aureus, risk factors, camparison, nosocomial environments, man 10599
surgery, Staphylococcus aureus, Staphylococcus epidermidis, etiology, clinical aspects, man 10511
tetanus, toxins, effects on, muscles, histochemistry, man, case reports 1822.
Vibrio vulnificus, clinical aspects, man 1033.
Wounds,
culture, Enterobacteriaceae, identification, API test, Micro-ID test 4693.
infection, relationship, bacteria, cell number, man, reviews 5433.
Wrist,
tuberculosis, man, case reports 955.

x-Ray absorption,
cytochrome c oxidase, Paracoccus dentrificans, cattle heart 185.
photosynthetic apparatus reaction centers iron sites, Rhodopseudomonas sphaeroides 6558.
reaction centers, fine structure mapping, Rhodopseudomonas sphaeroides 8478.
zinc sulfur bonds, aspartate carbamoyltransferase, Escherichia coli 8588.
X-Ray crystallography,
actinoxanthine structure, Actinomyces globisporus 8519
cytochrome c4, Pseudomonas aeruginosa 3869
glyceraldehyde-phosphate dehydrogenase, Bacillus coagulans 8571.
phosphocarrier protein, Escherichia coli 7591.
Streptomyces fradiae, tylosin, 5-0-mycarosyltylactone structure 11355.
X-Ray diffraction,
aspartate carbamoyltransferase, crystallization, structure, Escherichia coli 11134.
cytochrome c_3, structure, Desulfovibrio vulgaris 3868.
cytochrome c551 structure, oxidation state effects on, Pseudomonas aeruginosa 7482.
ferredoxin, Bacillus thermoproteolyticus 3944.
ferredoxin, iron-sulfur centers, Azotobacter 8520.
molybdenum-iron protein, nitrogenase, Clostridium pasteurianum, Azotobacter vinelandii 9755
nitrogenase, molybdenum iron proteins, Clostridium pasteurianum 7544.
N-(phosphonacetyl)-L-aspartate effects on aspartate carbamoyltransferase quaternary structure, Escherichia coli 5791.
protein M, secondary structure, cell surface, Streptococcus 1470.
purple membranes, brown holo-membranes, phase transition, Halobacterium halobium 4784.
superoxide dismutase, Thermus thermophilus 4067.
tertiary structure lysozyme, Streptomyces erythreus 3975.
X-Ray scattering,
adenosinetriphosphatase, N,N-dicyclohexylcarbodiimide solution, structure, Escherichia coli 6647
adenosinetriphosphatase, subunit structure, Escherichia coli 4061.
conformational analysis, ribosomal protein S4, Escherichia coli 1480.
elongation factor Tu GTP valyl-tRNA Val complex, Escherichia coli 3899.
lac repressor, Escherichia coli 8483.
ribosomal subunit 50S, Escherichia coli, structure, models 5719.
RNA polymerase aggregates, structure, Escherichia coli 11159
Thermoplasma acidophilum nucleoproteins 9705
Xanthamonas translucens f.sp.oryzicola,
leaf streak, Xanthomonas oryzae blight, differentiation, immunoelectrophoresis, Oryza sativa 8941
Xanthan,
biosynthesis, lipopolysaccharides, residues, polymerization, Xanthomonas campestris 12711.
extracellular polymers, biodegradation, Bacillus soil isolates 7451.
Xanthomonas campestris, production, fermentation, growth 7624.
Xanthans,
biosynthesis, continuous culture, growth 4770.
biosynthesis, Xanthomonas campestris, role, lipids linkage sugars 5800.
Xanthine dehydrogenase,
purification, characterization, activity, Rhodopseudomonas capsulata 4050.
Xanthine oxidase,
purification, characterization, Enterobacter cloacae 4011.
Xanthobacter autotrophicus,
nitrogen fixation, role, ferredoxin, electrons donors, in vitro 1421.
Xanthogranulomatous pyelonephritis,
bacteria, pathogenesis, ultrastructure, man 7048.
detection, bacteria, antigens, Gram stain, electron microscopy, man 3400.
Proteus mirabilis, pathology, diagnosis, man, case reports 2090.
Xanthomonas,
Alcaligenes, Pseudomonas, phenylalanine biosynthesis pathway enzymes, taxonomic significance 2746.
association, Pseudomonas, taxonomy 8335.
disinfectants contamination, drug sensitivity testing 7848.
fatty acid composition, association, virulence, chromatography 12722.
phage typing, taxonomy (numerical) 1641.
polysaccharides, structure 1561.
pustule disease, resistance, Vigna unguiculata 1149.
Xanthomonas albilineans,
infection, Saccharum officinarum, reviews 9386.
Saccharum officinarum scald, Jamaica 6400.
scald, Saccharum officinale, Jamaica 4606.
Xanthomonas beticola,
infectivity, Beta vulgaris 13435.
Xanthomonas campestris,
biosynthesis xanthans, continuous culture, growth 4770.
black rot, Brassica oleracea, leaves, wax characterization 5501.
black rot, disease reservoirs, weeds 1142.
growth, fermentation, xanthan production 7624.
infection, Brassica oleracea, Lycopersicon esculentum, antibacterial activity, herbicides, effects on, disease resistance 13433.
leafspot, Setaria italica 12095.
mutants, extracellular polymers, biosynthesis 2825.
strains, albinism, leafspot, Vitis latifolia 13428.
wilt, Helianthus annuus 9397.
wilt, Oryza sativa, incidence, epidemiology 9408.
xanthan, biosynthesis, lipopolysaccharides, residues, polymerization 12711.
xanthans biosynthesis, role, lipids linkage sugars 5800
Xanthomonas campestris pv.campestris,
cell membranes, isolation, characterization 12346.
Xanthomonas campestris pv.citri,
infection, Citrus leaves, disease resistance 13439.
Xanthomonas campestris pv.glycines,
Glycine max isoflavonoids effects on 12091.
Xanthomonas campestris pv.juglandis,
blight, Juglans regia, ecological evaluation 12105.
Xanthomonas campestris pv.malvacearum,
blight, ultrastructure, Gossypium hirsutum, cotyledons 12107.
disease resistance, Gossypium hirsutum, phytoalexins, effects on 13442.
interaction, Gossypium hirsutum, ultrastructure, blight 12101.
Xanthomonas campestris pv.manihotis,
blight, Manihot esculenta, pathology, South Africa 10748.
Xanthomonas campestris pv.oryzae,
infectivity, Oryza sativa resistance cultivars 12092.
virulence, Oryza sativa blight 13448.
Xanthomonas campestris pv.translucens,
infection, triticale, physiology, virulence 10741.
Xanthomonas campestris pv.vesicatoria,
scab, relative humidity, effects on, pathogenesis, Piper nignum 12096.
survival, seeds, Lycopersicon esculentum, Piper nigrum 12099.
Xanthomonas campestris var.graminis,
isolation, identification, grasses, wilt, Belgium 8145.
wilt, disease tolerance, grasses 8146.
Xanthomonas campestris var.vignicola,
blight, disease resistance, genotypes screening, Vigna unguiculata 8155.
Xanthomonas juglandis,
blight, Juglans regia, distribution, buds 7304.
Xanthomonas malvacearum,
biotypes, identification, distribution, India 7394.
black arm disease, Gossypium hirsutum, Paraguay 4613.
blight, disease transmission, Earias feeding, Gossypium hirsutum 10738.
blight, Gossypium hirsutum, role, cell surface slimes 9409.
Xanthomonas manihotis,
disease transmission, Insecta vectors, Manihot esculenta 6397.
isolation, blight, Manihot esculenta, symptoms 9387.
Xanthomonas oryzae,
blight, effects on, Oryza sativa, cultivars, susceptibility, photosynthesis, chlorophyll a, chlorophyll b 3666.
blight, Xanthamonas translucens f.sp.oryzicola leaf streak, differentiation, immunoelectrophoresis, Oryza sativa 8941.
mutants, virulence, Oryza sativa, characterization 6404.
phage XP-12, enzymatic synthesis, 5-methyl-deoxycytidine deaminase 6726.
phage Xp12 effects on thymidylate biosynthesis 8723.
polysaccharides, role, hypersensitivity, Gossypium hirsutum 3667.
virulence, synthetic media (culture), effects on 6460.
Xanthomonas phaseoli,
antibacterial activity, phytoalexins, Glycine max, characterization 3102.
blight, sulfur dioxide, effects on, lesions, development, Phaseolus vulgaris 12093.
leafspot, disease control, fungicides, antibiotics, Vigna radiata 13454.
Xanthomonas pruni,
spot, susceptibility, Persicum 6399.
Xanthomonas translucens,
+Septoria nodorum, effects on, photosynthesis, transpiration, Triticum aestivum 1141.
Xanthomonas translucens f.sp.oryzicola,
virulence, media (culture), effects on 6455

Xanthomonas vesicatoria,
  antibacterial agents, antibacterial activity 1701
  infection, antibacterial agents, induction, hypersensitive response, leaves, Piper nigrum 1701
Xanthomonas vignicola,
  blight, screening disease resistance, Vigna unguiculata 4611
Xanthomycin,
  biosynthesis, Streptomyces, antitumor activity 4156
Xenobiotics,
  biodegradation, books, conferences 12198
Xenopus laevis,
  Aeromonas hydrophila infection 1077.
Xenorhabdus,
  biosynthesis, antibiotics 1695
  functional morphology, dimorphism, symbiosis, Neoaplectana, Heterorhabditis 6387
  infection, juveniles, chickens, mice, pathogenicity 10709
Xenorhabdus luminescens,
  association, Heterorhabditis bacteriophora, parasitism, mortality, Galleria mellonella 3654
  association Heterorhabditis bacteriophora, parasitism, pathology, Culex pipiens 8130
  infection, juveniles, chickens, mice, pathogenicity 10709
  pathology, synergism, Heterorhabditis bacteriophora, Culex pipiens 6392.
Xenorhabdus nematophilus,
  infection, juveniles, chickens, mice, pathogenicity 10709
  symbionts, Neoaplectana carpocapsae immunity effects on 4598.
Xylanase,
  Streptomyces afghaniensis, cellulose 210
Xylem,
  Erwinia amylovora, polysaccharides, pathogenesis, Malus pumila, electron microscopy 3662
  Malus pumila, infection, Erwinia amylovora, role, polysaccharides 4604.
  parenchyma plasmolysis, Erwinia amylovora infection, effects on apples leaves ultrastructure 6403
Xylene,
  oxidation, enzymes, regulation, Pseudomonas aeruginosa 12643
Xylitol,
  diets, effects on, dental caries, gnotobiotics (germ-free), rats 3649.
  effects on, dental plaque formation, children 4374
  +sorbitol, effects on, dental plaque, Streptococcus mutans, growth, metabolism 435
Xylose,
  absorption, leprosy, Mycobacterium leprae, man, clinical aspects 6941.
  Fusarium oxysporum, metabolism 1392
Xylose isomerase,
  Streptomyces griseofulvus, purification, characterization 3994.
Xylose-binding protein,
  purification, characterization, Escherichia coli 9715.

Yaws,
  epidemiology, man, Ghana 4522
  man, association, Treponema pertenue, isolation, transportation, hamsters 10660
  man, clinical aspects 13079
Yeasts,
  alcohol dehydrogenase, characterization, comparison, Leuconostoc mesenteroides 4010
  aminoacyl-tRNA synthetase, substrate specificity 3979
  antimicrobial activity, vinegar 425.
  cytolysis, enzymes, Bacillus subtilis, Bacillus circulans 12593.
  digestive tract decontamination, association, prophylaxis, infection, neutropenia, man 10279
  Escherichia coli, tRNA Glu+tRNA Phe complex, structure 12526
  incidence, saliva, man, pH, saliva flow rate, relationship 4355.
  Lactobacillus, mixed culture, sourdough fermentation 11020.
  lysis, role, soil microorganisms 12153
  Methanobacterium bryantii, bacteria, ribosomal proteins, antigenic characteristics, taxonomic significance 1481
  models ribosomes structure, evolution, rRNA 5S ribosomal protein L3 interaction, comparison prokaryotes 8505
  tRNA Phe, binding Escherichia coli ribosomes, kinetics, fluorescence 6578
  single-stranded closed-circular DNA, replication origin recognition, Escherichia coli cell-free system 7494
Yellow leaf-roll,
  Prunus persica, incidence, distribution, association, Pyrus orchards, USA, California 10744.
Yellows,
  mycoplasma-like organisms, culture, viability 5560.
  Mycoplasma-like organisms, pathology, Cocos nucifera, Cuba 8148.
  Spiroplasma, infection, yellows, identification 3659.
Yersinia,
  arthritis, histocompatibility antigen HLA B27 determinants, man, clinical aspects 7941.
  drug sensitivity testing, nifuroxazide 5130.
  enteritis, man 13167
  infection, presentation, appendicitis, man 9268
  isolates, source, man, animals, characterization 2276.
  phenotypes, relationship, Yersinia philomiragia 1288.
  taxonomy 8337.
Yersinia entercolitica,
  hemolysins, biosynthesis, characterization 1808.
Yersinia enterocolitia,
  gastroenteritis, incidence, seasonal variations, man, USA, Missouri 3357.
Yersinia enterocolitica,
  adherence, Epithelium cells, role, Pili 5623.
  agglutinins, indirect hemagglutination methodology 7918.
  agglutinins, levels, serum, relationship, feces, mice 4275.
  antibodies detection, indirect hemagglutination, Widal test 500.
  antibodies incidence, man, Finland 5386.
  antibodies levels, man, association, tetracycline prophylaxis 8973.
  antibodies, levels, man, Denmark 529.
  antigen (enterobacterial common), localization 527.
  arthritis, agglutinins, levels, diagnosis, man 3522.
  arthritis, antibodies serum levels comparison rheumatoid factor serum levels, rheumatoid arthritis, man 6093.
Yersinia enterocolitica, (continued)
  arthritis, clinical aspects, man, case surveys, Sweden 4520.
  arthritis, joints, bacteria localization, man, case reports 3495.
  aspartate carbamoyl transferase, isolation, characterization 205.
  biotypes, biochemical characteristics, taxonomy, antigenic characteristics 8291.
  biotypes, characterization 8341.
  biotypes, feces isolates, pathogenicity, man 9231
  cell division, endotoxins levels, temperature effects on 11484.
  characterization, isolates, man, animals, environments 3784.
  characterization, reviews 8317.
  characterization, taxonomy 29.
  clinical isolates, animal isolates, antigenic characteristics, agglutination 13012.
  clinical isolates, antibiotic sensitivity testing 9957.
  colitis, pathology, man, case reports 2030.
  comparison, Brucella, haptens, antigenic determinants 13002.
  comparison, indicators, tests, plasmids, virulence 6880
  contamination drinking water, identification, biochemical characteristics 7392.
  cross-protection, Yersinia pestis, hypersensitivity (delayed), association, temperature, mice 10215.
  cross-protection, Yersinia pseudotuberculosis, vaccination, mice 6137.
  cross-reactivity, antigenic relationship, Brucella abortus 13013.
  diarrhea, children, case reports 10359.
  diarrhea, man 13182.
  diarrhea, nosocomial infection, case reports, man 7012.
  enteritis, pathology, man 11782.
  enterotoxins, biosynthesis, temperature effects 462.
  enterotoxins biosynthesis, temperature effects on 12967.
  enterotoxins, purification, antigenic relationship, Escherichia coli 10068.
  esterase, characterization, electrophoresis 4932.
  experimental infection, effects on Brucella abortus, antibody response, cattle, juveniles, guinea-pigs 1068.
  fatty acid composition, gas-liquid chromatography 9808.
  feces excretion, mice 9318.
  food isolates, potassium sorbate+acids, effects on, in vitro 3082.
  L form, scanning electron microscopy 2614.
  gastroenteritis, incidence, seasonal variations, man 3358.
  identification, biochemical characteristics, API test, media (isolation), antibiotics 2516.
  ileitis, pathology, man, case reports 9139.
  incidence, feces, cats 2359.
  incidence, identification, feces, children, Spain 2029.
  incidence, livestock, food, Finland 7275.
  incidence, seasonal variations, rivers, USA, Wisconsin 6435.
  incidence, throat microflora, serotypes, man, pigs, Canada 4540.
  infection, antibody response, serum levels, man 8954.
  infection, association, arthritis, man 7108.
  infection association myocardial infarction, man, case reports 8045.
  infection, children, case reports, etiology, Reiter's disease, arthritis 5358.
  infection, detection, serological surveys, cattle, pigs 3632.
  infection, epidemiology, clinical aspects, man, Germany, Fed Rep. 2302.
  infection, immunity, BCG immunostimulation, mice 7959
  infection, immunopathology, man 5210.
  infection, man 11959.
  infection, man, Belgium, serotyping, surveillance, reviews 8070.
  infection, post-irradiation pathogenicity, animal models 2186.
  infection, relationship, connective tissue diseases, man 7018.
  infection, surgery, clinical aspects, man, reviews 7148.
  infectivity, cells, centrifugation effects on 6881.
  interaction, HeLa cells, penetration, infectivity 10143.
  intestinal microflora, Felis rufus 5478.
  isolates, identification, Enterotube test, animals 2533.
  isolates, source, man, animals, characterization 2276.
  isolation, cecum, cattle, Chile 7230
  isolation, enteritis, media (enrichment), incidence, serotypes, man 1251.
  isolation, feces, man, carriers 4410.
  isolation, gastroenteritis, man, Nigeria 842.
  isolation, media (enrichment), methodology 7355.
  isolation, media (enrichment), milk, methodology 8252.
  isolation, membrane filtration 5554.
  isolation, virulence, clinical isolates, food isolates 8936.
  β-lactam antibiotics, antibacterial activity, temperature, effects on 7790.
  like bacteria, aspartate carbamoyl transferase, isolation, characterization 205.
  lymphadenitis, mesentery, thalasemia association, case reports, children, man 10507.
  man, immunoglobulins levels, enzyme-linked immunosorbent assay, use, lipopolysaccharides 7911
  mercury resistance 3110.
  motility, identification, temperature effects, media (culture) 1348.
  pathogenicity, food contamination 13165.
  pathogenicity, relationship enterotoxins tests 11539.
  peritonitis, association, cirrhosis, man 2222.
  phage typing, lysogeny, clinical isolates, Japan 8713.
  phages, isolation, characterization, water 4987.
  plasmids, correlation, adherence, HEp-2 cells 1693.
  plasmids, virulence, DNA homology, characterization 2934.
  pneumonia, septicemia, clinical aspects, man, case reports 9108.
  pseudotuberculosis, association, Reiter's disease+histocompatibility antigen HLA, B27 determinant, case reports, man 7159.
  psychrotrophic bacteria, zoonoses, pigs, man 9230.
  sepsis, infants, man, case reports 3504
  septicemia, association, cellulitis, man, case reports 2181.
  septicemia, association, immunocompromised hosts, case reports, man 7207.
  septicemia, intestine pathology, man, case reports 5395.
  septicemia, man, case reports 3540.
  serotypes, infectivity, association, virulence, antigenic characteristics, HeLa cells 4263.
  serotyping, biochemical characteristics, water, food isolates 8293.
  taxonomy, nutrient requirements, clinical aspects, characterization, reviews 8326.
  vaccination, effects on feces clearance Yersinia enterocolitica, antibody response, mice 10259.
  viability, sterilization, freezing, radiation, effects on 2659.
  virulence, association, serum resistance 6035.
  virulence, food isolates 8935.
  virulence, iron dextran, mucin, effects on 4267

Yersinia enterocolitica, (continued)
- virulence, mechanisms 5200
- virulence, plasmids, association, membrane proteins 8938.
- Yersinia enterocolitica like bacteria, DNA, biochemical characteristics, taxonomy 1315.
- yersiniosis, incidence, laboratories, Czechoslovakia 10357.

Yersinia enterocolitium,
- isolation methodology comparison, media (enrichment), media (selective), association pigs tonsil 8264.

Yersinia enterozolitica.
- isolation, pigs, normal subjects, tonsil, seasonal variations 9358.

Yersinia frederiksenii,
- isolates, source, man, animals, characterization 2276.

Yersinia frederiksenii sp.nov.,
- characterization, taxonomy 27.

Yersinia intermedia,
- isolates, source, man, animals, characterization 2276.

Yersinia intermedia sp.nov.,
- characterization, taxonomy 28.

Yersinia kristensenii,
- isolates, source, man, animals, characterization 2276.

Yersinia kristensenii sp.nov.,
- characterization, taxonomy 26.

Yersinia pestis,
- calcium deprivation, inhibition RNA biosynthesis 5712.
- cross-protection, Yersinia enterocolitica, hypersensitivity (delayed), association, temperature, mice 10215.
- DNA hybridization, characterization, species 156.
- experimental infection, susceptibility, Mastomys natalensis, zoonoses 3616.
- hypersensitivity (delayed), resistance, mice, immunization, immunoregulatory factors 5249.
- plague, cats, man, case reports 6173.
- plague, clinical aspects, diagnosis, neonates, man, case reports 2218.
- plague, lung, radiology, case surveys, man 743.
- plague, man, disease transmission, USA travelers, case reports 8073.
- plague, relationship, genetics, man 3428.
- plague, seroepidemiology, Rattus rattus, Rattus norvegicus 9233.
- plasmids, virulence, DNA homology, characterization 2934.
- toxins, characterization 1807.

Yersinia philomiragia,
- relationship, Yersinia phenotypes 1288.

Yersinia pseudo-tuberculosis,
- arthritis, man, case reports 9222.

Yersinia pseudotuberculosis,
- antibodies incidence, man, Finland 5386
- arthritis, agglutinins, levels, diagnosis, man 3522.
- clinical isolates, antibiotic sensitivity testing 9957.
- cross-protection, Yersinia enterocolitica, vaccination, mice 6137.
- detection, infection, guinea-pigs 13401.
- DNA hybridization, characterization, species 156.
- esterase, characterization, electrophoresis 4932.
- fatty acid composition, gas-liquid chromatography 9808.
- glucans, structure 4943.
- ileitis association liver abscesses, man 7009
- infection, agglutinins, detection, rats 8950
- infection, immunopathology, man 5210.
- isolation, pigs, normal subjects, tonsil, seasonal variations 9358.
- lymphadenitis, pathology, clinical aspects, treatment, man, case reports 2237.
- myopathy, diagnosis, clinical aspects, treatment, turkeys 2372.
- polyarthritis, man 13281.
- Pseudotuberculosis, subclinical infection, diagnosis, man 13303.
- Reiter's disease, etiology, physiopathology, factors affecting, man 11949.
- vaccines development, vaccination, Seriola quinqueradiata 1908.
- virulence, plasmids, association, membrane proteins 8938.

Yersinia ruckeri,
- isolation, fish, antigenic characteristics, association redmouth 10152.
- vaccination, Salmonidae 10251.
- vaccination, Salmonidae juveniles 10249.

Yersiniosis,
- Yersinia enterocolitica, incidence, laboratories, Czechoslovakia 10357.

Yield,
- Arachis hypogaea, nitrogen fixation, nodulation, association 1158.
- Arachis hypogaea, nodulation, nitrogen fixation, pH effects, inoculum rate effects on 1190.
- Arachis hypogaea, +Rhizobium nodulation, nitrogen fixation 9478.
- Beta vulgaris, Pseudomonas seed treatments effects on 12108.
- Chlamydia trachomatis, McCoy cells, cycloheximide effects on 4683.
- cultivars, Glycine max, Rhizobium japonicum, inoculation, soil, effects on 2447.
- Glycine max, +Rhizobium japonicum, ± irrigation, effects on, USA, North Carolina 1225.
- Glycine max, Rhizobium japonicum hydrogenase nodulation effects on 2454.
- Medicago sativa, incidence, wilt, Corynebacterium michiganense 12112.
- milk, Streptococcus agalactiae mastitis, cattle 5465.
- nitrogen fixation, Glycine max, crop rotation, Sorghum bicolor, effects on 13486.
- Oryza sativa, foliar applications, Pseudomonas, nitrogen fixation 12124.
- Streptococcus mutans, arginine effects on 4768.
- Trifolium alexandrinum, Rhizobium trifolii inoculation± nitrogen, effects on 1185.
- Triticum aestivum, nitrogen-fixing bacteria, foliar applications 8187.

Yogurt,
- Lactobacillus bulgaricus, Streptococcus thermophilus, enumeration, use, agar media (culture) 1275.

Zaire,
- children, bacteria infection, association, sickle cell disease 3486.
- man, infection, Shigella dysenteriae, antibiotic resistance, epidemics, plasmids association, characteriztion 8744.

Zambia,
- infants, man, syphilis, congenital infection, incidence 10434.
- urethritis clinical isolates, Neisseria gonorrhoeae, penicillinase production, man 9192

Zamia pumila,
- roots growth, nodulation, geotropism, light effects on, pure culture 10780.

Zanardinia prototypus,
- antimicrobial activity, Bacillus subtilis, Phoma tracheiphila, tobacco mosaic virus, Sicily 1767.

Zaotobacter,
- ecological distribution, population dynamics, arid zones, soil 9475.

Zea mays,
- Azotobacter chroococcum effects on seeds germination 13496.
- Azotobacter chroococcum seed treatments, roots specificity 13497.
- chloroplasts, rRNA 4.5S, nucleotide sequence, homology rRNA 23S Escherichia coli 2706.
- Corynebacterium nebraskense, wilt, blight, phase typing, bacteriocin typing 8285.
- crop fields, soil, nitrification, mineralization, revegetation, Nitrosomonas, phytotoxicity 6423.
- crop fields, soil properties, nitrogen cycle, atrazine effects on 9455.
- denitrification, bacteria, nitrapyrene effects on 5537.
- disease resistance, wilt, blight, Erwinia stewartii, pathogenesis, pathophysiology 13431.
- diseases, epidemics, USA, Florida, association, corn stunt spiroplasma 9398.
- growth, Azospirillum brasilense, nitrogen fixation, inoculation, effects on 3714.
- infection, bacteria, characterization plant diseases 8142.
- infection, fungi, bacteria, viruses, diagnosis, pathology 8140.
- injuries, association, Erwinia carotovora var. chrysanthemi infection 9422.
- plant breeding, roots exudates, carbon sources, nitrogen-fixing bacteria, rhizoplane 12119.
- roots exudates, chemotaxis, Azospirillum lipoferum, Azospirillum brasiliensis 9585.
- silage, sheep, feeds digestion 12029.
- Spiroplasma citri infection, enumeration 13438.
- Spiroplasma citri, stunt, maize mosaic virus, multiplicity of infection, Jamaica 7307.
- virulence, stalk rot, Erwinia carotovora var.chrysanthemi 7298
- wilt, Erwinia stewartii, ultrastructure, electron microscopy 7303.

Zeatin,
- production, association, Ti plasmid, Agrobacterium tumefaciens 11312.

Ziehl-Neelsen stain,
- smears, identification, Mycobacteria 4714.

Zimbabwe,
- sexually-transmitted diseases, gonorrhea, chancroid, pelvic inflammatory disease, man, incidence 2170.

Zinc,
- air pollution effects on, bacteria, microflora, leaves, Pinus nigra 6410.
- content, effects on aminoacyl-tRNA synthetase, Escherichia coli 1531.
- dependence, Escherichia coli, phenylalanyl-tRNA synthetase, diadenosine 5',5"-P^1,P^4-tetraphosphate, activity 1442.
- effects on nodulation, nitrogen fixation, Cicer arietinum 10764.
- induction cooperativity, ornithine carbamoyltransferase, Escherichia coli 9736.
- iron, excretion, urine, dogs, killed Pasteurella multocida, inoculation, effects on 2361.
- +phenol, +glycerol, insulin additives, antibacterial activity, Staphylococcus epidermidis, Staphylococcus aureus, Escherichia coli 4203.
- plasma levels, Salmonella dublin, experimental infection, symptoms, cattle, juveniles 1102.
- pollution effects, bacteria, metabolism, abundance 1229.
- role adenosinetriphosphatase activity, Micrococcus luteus 4060.
- serum levels, relationship, tuberculosis, silicosis, silicotuberculosis, man 1980.
- sulfur bonds, aspartate carbamoyltransferase, X-ray absorption Escherichia coli 8588.
- treatment, acne, efficacy 1945.

Zinc bacitracin,
- antibacterial activity inactivation, bacteria, infection, rats 10052.

Zinc chloride,
- topical application, treatment, tetanus, Clostridium perfringens, case reports, man 7134.

Zizyphus oenoplea,
- Mycoplasma, witches' broom, antibacterial activity, tetracycline 7300.

Zomepirac sodium,
- effects on Escherichia coli enterotoxins acute toxicity, gastrointestinal tract, mice 6023

Zoogloea,
- association, Pseudomonas, taxonomy 8335.
- Pseudomonas, attachment, Anabaena, heterocysts, effects on, nitrogen fixation 4615.
- syngergism, Anabaena, association, carbon dioxide limitations continuous culture 9426.

Zoogloea ramigera,
- acetoacetyl-CoA reductase, purification, characterization, substrate specificity 3960.
- hydroxybutyrate-dimer hydrolase, purification, characterization 3958.
- polysaccharides, biosynthesis, relationship, growth conditions 12700.

Zoological gardens,
- animals, isolation, Campylobacter fetus subsp.jejuni, USA, Colorado 8114.
- animals, tuberculosis, epidemiology, immunoassays 7913.
- Serpentes, stomatitis, association, bacteria oral microflora, USA, Tennessee 8121.

Zoonoses,
- bacteria, disease transmission, animals, man, disease control 2242.
- Campylobacter jejuni infection, domestic animals, man 8110.
- Chlamydia psittaci, psitticosis, epidemiology, man 9293.
- epidemiology, domestic animals, man 13269.
- Q fever, outbreaks, sheep, man 2271.
- horses, glanders, man, characterization 11905.
- incidence, occupational exposure, case surveys, veterinary medicine 13267.
- Mammalia Chlamydia infection, man pathogenicity 7176.
- nosocomial environments, seeing-eye dogs, association, infection, man 11904.
- Staphylococcus aureus, mercuric chloride drug resistance, dogs, man 9088.
- Yersinia enterocolitica, psychrotrophic bacteria, pigs, man 9230.
- Yersinia pestis, experimental infection, susceptibility, Mastomys natalensis 3616.

Zostera marina,
- rhizoplane bacteria isolates, heavy metals sensitivity, estuaries, USA, North Carolina 7344.
- rhizoplane microorganisms, bacteria, chemotaxis 1177.

Zymomonas anaerobia,
- ethanol biosynthesis, factors affecting optimization 11248.

Zymomonas mobilis,
  alcohol dehydrogenase, isoenzymes, characterization 4029.
  environmental conditions effects on ethanol tolerance 6854.
  ethanol biosynthesis, growth, bioreactors 9637.
  glucokinase, fructokinase, activity, regulation, characterization 7598.
  growth, nutrient requirements, continuous culture 7452.
  molasses fermentation, ethanol production 10970.
  strains, detection, methodology 4660.
  strains, genetic analysis, plasmids, DNA 11288.
  substrate specificity, media (culture) 8256.

cambridge scientific abstracts

ABSTRACTS JOURNALS ☐ ONLINE ☐ MAGNETIC TAPE

JOURNALS

nimal Behavior Abstracts

quatic Sciences & Fisheries Abstracts:
  Part 1 - Biological sciences & living resources
  Part 2 - Ocean technology, policy & non-living resources

iochemistry Abstracts:
  Part 1 - Biological Membranes
  Part 2 - Nucleic Acids
  Part 3 - Amino-acids, Peptides & Proteins

alcified Tissue Abstracts

hemoreception Abstracts

omputer & Information Systems Abstracts Journal

onference Papers Index

cology Abstracts

lectronics & Communications Abstracts Journal

Entomology Abstracts

Genetics Abstracts

Immunology Abstracts

ISMEC (Information Service in Mechanical Engineering) Bulletins

Microbiology Abstracts
  Part A - Industrial & Applied
  Part B - Bacteriology
  Part C - Algology, Mycology & Protozoology

Oceanic Abstracts

Pollution Abstracts

Safety Science Abstracts Journal

Science Research Abstracts Journal

Solid State Abstracts Journal

Toxicology Abstracts

Virology Abstracts

BACK VOLUMES

ack volumes are available for all CSA journals ore than one year old, in either printed or microche form.

MAGNETIC TAPE

ne CSA journals are available on magnetic tape in achine-readable form for current awareness and trospective batch searching. Contact CSA arketing Department for specifications and prices 301-951-1403.

ONLINE

Some of the above journals are available on differing online information systems including:

☐DIALOG® Information Retrieval Service
☐Bibliographic Retrieval Service
☐Information Retrieval Service (European Space Agency)
☐System Development Corporation Search Service.

For further details contact CSA Database Services, toll free at 800-638-8076. In Maryland and outside continental U.S., call 301-951-1300.

Microbiology